



**BHARATHIAR UNIVERSITY**

Coimbatore – 641 046

## **Evaluative Report of the Departments**



*Submitted to*

**National Assessment and Accreditation Council (NAAC)**

**Bangalore**

**May 2015**

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## ***Bharathiar School of Management and Entrepreneur Development***

1. **Name of the Department :** Bharathiar School of Management and Entrepreneur Development.
2. **Year of establishment :** 1984
3. **Department comes under :** Bharathiar School of Management and Entrepreneur Development.
4. **Names of programmes offered :** M.B.A., M.Phil., Ph.D., and D.Litt.
5. **Details of programmes discontinued, if any, with reasons :** Nil.
6. **Examination System :** Semester and Choice Based Credit System.
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others)**

Teaching post	Sanctioned	Filled	Actual (including CAS & MPS)
Director	1	1	1
Professor	2	1	7
Associate Professors	4	4	1
Assistant Professors	6	6	3
Others	1	1	1

8. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. R. Venkatapathy Director	M.A., M.Phil., Ph.D., FDP.M., B.L.	Human Resource, Entrepreneurship, Marketing	TE - 29 RE - 32	Ph.D. - 20 M.Phil.- 14
Dr. P. Thirumalvalavan Professor	M.Com., B.L., M.B.A., Ph.D.	Finance & Investment	TE - 36 RE - 34	Ph.D. - 3 M. Phil.- 1
Dr. K. Vivekanandan Professor	M.Sc., (App. Maths) Ph.D.	Information System & Data Mining	TE - 26 RE - 17	Ph.D. - 4 M. Phil.- 3
Dr. V. Kubendran Professor	M.A., M.L., M.B.A., Ph.D.	Marketing, Human Resource Management	TE - 22 RE - 11	Ph.D.- 3 M. Phil.- 6
Dr. S. Sankaranarayanan Professor	M.B.A., M.Phil., Ph.D.	Services Marketing., Advertising, Retail, Logistics, Management	TE - 26 RE - 20	Ph.D. - 1 M. Phil.- 13
Dr. Rupa Gunaseelan Professor	M.Sc., MBA., P.h.D., Applied Psychology	Human Resource Management	TE - 16 RE - 16	Ph.D. - 7 M. Phil.- 8
Dr. S. Mahalingam Professor	M.A., M.B.A., Ph.D.	Marketing / Human Resource Management	TE - 23 RE - 13	Ph.D. - 3 M. Phil.-3
Dr. K. Malar Mathi Professor	M.Sc. (Agri.), M.B.A., Ph.D.	Marketing Organizations Management	TE - 14 RE - 12	Ph.D. - 2 M. Phil.- 6
Dr. Ajoy Mathew Associate Professor	M.A., Ph.D.,	Economics & Business Environment	TE - 29 RE - 31	Ph.D. - 7 M.Phil.- 3
Dr. G. Sridharan Assistant Professor	M.F.C, M.B.A. M.Phil., Ph.D.	Finance	TE - 21 RE - 12	Ph.D. - 4 M. Phil.- 5
Dr. V. Ramanujam Assistant Professor	M.F.C., M.B.A. M. Phil., Ph.D.	Finance, Entrepreneurship	TE - 10 RE - 8	Ph.D. - 1 M. Phil.- 4

Smt. N. Uma Devi Assistant Professor	M.Com., B.Ed., M. Phil, M.B.A.	Quantitative Techniques & Finance	TE - 15 RE - 5	Ph.D.- Nil M. Phil. - 4
Mr. S. Elangovan Placement Officer	M.Sc., M.B.A	Strategic Management, General Management, HRM & HRD.	TE - 24 RE -	-

**9. List of senior visiting fellows, adjunct faculty, emeritus professors:**

Mr.S. Chidambaranathan, CEO, Vasantha Advanced System, Coimbatore, Mr.R.S. Mani, General manger, Bi-Metal Bearing Ltd and Mr. Assissi Meanchery Professor, Layola Institute of Management, Kanyakumari visited the school periodically and handled sessions on Operations Management, Advanced Production Management and Six Sigma.

**10. Percentage of classes taken by temporary faculty – programme-wise information: 10%.**

**11. Programme-wise Student Teacher Ratio :**

P.G.	:	18.46 : 1
M.Phil.	:	1.38 : 1
Ph.D.	:	3.15 : 1

**12. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Assistant Registrar	1	-	-
Section Officer	1	-	-
Assistant Section Officer	2	-	-
Assistant	5	2	2
Office Assistant	3	2	2
Consolidated	1	1	1
Assistant Technical Officer	-	3	3

**13. Research thrust areas as recognized by major funding agencies: -**

Entrepreneurship and Skill Development, Skill development of Industrial labour, Capacity building and skill development of Tribals, Financial and Investment analysis.

**14. Number of faculty with ongoing projects from National / International funding agencies / Total grants received: Nil**

Give the names of the funding agencies, project title and grants received project-wise.

**Project Completed and Ongoing**

Sl. No.	Principle Investigator	Title of the Project	Amount (Rs. In Lakhs)	Duration & Period of Operations	On going / Completed	Name of the funding Agency
01	Dr. V. Kubendran Professor	A Study on the Empowerment of Urban Women Street Vendors in Tamil Nadu	Rs. 10.00	2013-2015	On-going	University Grants Commission
02	Dr. R. Venkatapathy, Dr. S. Mahalingam Dr. V. Ramanujam	Entrepreneurship and Skill Development	Rs. 20.00	2011-13	Completed	Government of Tamil Nadu
03	Dr. Rupa Gunaseelan Professor	Supply of skilled labour to the industrial units in Coimbatore	Rs. 5.61	01.03.09 to 31.07.11	Completed	University Grants Commission

04	Dr.K. Malar Mathi Professor	Capacity building and skill development of Tribals in The Nilgiris District of Tamilnadu	Rs. 6.11	01.02.10 to 01.02.12	Completed	University Grants Commission
05	Dr.V. Ramanujam Assistant Professor	Investment pattern among working women managers in stock market operations with reference to selected districts in Tamilnadu	Rs. 6.24	01.02.11 to 31.07.13	Completed	University Grants Commission

**15. Inter-institutional collaborative projects and associated grants received : Nil**

**16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil**

**17. Research facility / centre with State recognition / National recognition / International recognition.**

**18. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**

**19. Publications:**

- Number of papers published in peer reviewed journals (national / international) : 166
- Monographs :
- Chapters in Books :
- Chapters in Edited Books : 26
- Books with ISBN with details of publishers : 16
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index
- Conference publications: 164

Name	Journal Publication		Conference publication		Chapters in edited volume	Edited volume	Conference / Seminar and Workshop Organized		Books Published
	N	IN	N	IN			N	IN	
Dr.R. Venkatapathy	07	10	18	8	5	4	19	1	10
Dr.P. Thirumalvalavan	-	3	1	-	-	-	-	-	-
Dr. K. Vivekanandan	13	4	3	-	-	-	-	-	-
Dr.V. Kubendran	2	7	1	16	-	4	-	-	1
Dr.S. Sankaranarayanan	2	10	8	2	-	-	1	-	-
Dr. Rupa Gunaseelan	8	16	22	12	17	8	17	-	3

Dr.S.Mahalingam	12	5	10	7	-	2	15	-	-
Dr.K. Malar Mathi	9	14	7	-	-	-	2	1	-
Dr. Ajoy Mathew	-	4	6	5	-	-	1	-	-
Dr. G. Sridharan	-	2	2	-	-	-	-	-	-
Dr.V. Ramanujam	21	9	8	12	-	2	3	-	-
Mrs. N. Uma Devi	5	3	10	6	4	3	2	1	-

**20. Details of patents and income generated:** Nil.

**21. Areas of consultancy and income generated:** Nil.

**22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

**23. Faculty serving in**

a) International committees

Dr. R. Venkatapathy is serving as Peer Review Team Member of ABEST 21an International Body for accreditation of International Management Institutes and accredited S. P. Jain International Institute of Management, Singapore, and two Universities in Indonesia.

b) Editorial Boards

Mrs. N. Uma Devi is serving as Editor-in-Chief of International Journal of Advanced Business Management and Research (IJABMR), United Life Publications, Coimbatore.

**24. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

- Dr. S. Sankaranarayanan and Mrs. N. Uma Devi attended a Workshop on 'Educational Leadership' on 28<sup>th</sup> and 29<sup>th</sup> January, 2014 at BSMED, Bharathiar University.
- Dr. Rupa Gunaseelan attended Orientation Course from 12<sup>th</sup> June, 2013 to 9<sup>th</sup> July, 2013 at UGC-ASC, Bharathiar University.
- Dr. K. Malar Mathi attended a Workshop on 'Research- Quality enhancement in social sciences research' from 21 Nov 2013 to 27 Nov 2013 at Bharathiar University and FDP on Research and development- the recourse for continuance learning, on 21.9.2013 at Ranganathan Engineering College.
- Dr. V. Ramanujam attended Refresher Course on 'Indian Economy – its Prospects and Challenges' from 01.03.2013 to 21.03.2013 at Madurai Kamaraj University.
- Mrs.N. Umadevi attended Orientation Course from 06.10.2010 to 02.11.2010 at UGC-ASC, Bharathiar University, Refresher Course from 08.05.2012 to 28.05.2012 at UGC-ASC, Bharathiar University, FDP on 'SPSS for Multivariate Analysis' on 27<sup>th</sup> February, 2010 at BSMED, Bharathiar University, FDP on 'Indian Commodity Market & Derivatives Trading' from 24<sup>th</sup> to 26<sup>th</sup> May 2010 at School of Management, Pondicherry University, two Workshops on 16<sup>th</sup> and 17<sup>th</sup> of December 2011 and 23<sup>rd</sup> of February, 2012 organised by Guruvayurappan Institute of Management, Coimbatore.

**25. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects – 100%
- percentage of students doing projects in collaboration with other universities / industry / institute: Nil



**26. Awards / recognitions received at the national and international level by**

- Faculty:

S.No.	Name of the awardee and award	Issued by	Citation/Cash Price	Year
1	Mr.S. Elangovan 'The best Guide award' for the year 2014	CMA affiliated to AIMA, New Delhi.	Citation	2015
2	Dr. Rupa Gunaseelan has received Dr Radhakrishna Gold Medal Award	Global Research Progression	Citation	2013
3	Dr. K. Malar Mathi, Professor Senior Women Educator and Scholar Award	National Foundation of Entrepreneurship Development	Citation	2014
4	Mrs. N. Uma Devi 'The best Guide award' for the year 2010	CMA affiliated to AIMA, New Delhi.	Citation	2010

**27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- UGC sponsored National Seminar on “*Brand building: An Indian Experience*”, BSMED, Bharathiar University, was held on 22<sup>nd</sup> September 2010.
- UGC sponsored National Seminar on “*Social Entrepreneurship: Strategies for Nation Building*”, BSMED, Bharathiar University was held on 18<sup>th</sup> February 2010.
- National Seminar on “*Services Sector: Strategies to win Global Competition*”, BSMED, Bharathiar University was held on 3<sup>rd</sup> November 2010.
- National Seminar on “*Event Management: The Emerging Managerial Domains*”, BSMED, Bharathiar University was held on 28<sup>th</sup> January 2010.
- UGC Sponsored National level Workshop on “*Engulfing Skill Deficiencies to enhance Global Management Competencies*”, was held on 13<sup>th</sup> December 2010.
- UGC Sponsored National Conference on “*Futuristic Business Strategies 2030: A Global Perspective*” BSMED Bharathiar university, was held on 18<sup>th</sup> and 19<sup>th</sup> October 2012.
- UGC Sponsored National Conference on “*New Vistas for the Business Beyond 2020*” at BSMED, Bharathiar University, was held on 18<sup>th</sup> September 2012.
- UGC Sponsored National level Workshop on “*Green Initiatives: Future Perspectives*”, BSMED, Bharathiar University was held on 21<sup>st</sup> August 2012.
- Organized Faculty Development Programme on “*Statistical Modeling and advance Statistics for Data Analysis*” on 17<sup>th</sup> and 18<sup>th</sup> May 2012.
- UGC Sponsored International Conference on “*Business Strategies for sustainable growth – A Global Perspective*” was held on 9<sup>th</sup> and 10<sup>th</sup> January 2013.
- UGC Sponsored Work shop on ‘*Educational leader ship*’ was held on 28<sup>th</sup> and 29<sup>th</sup> January 2014.
- UGC sponsored Refresher Course in Management (21 days) was Co-ordinated along with UGC-ASC, Bharathiar University held from 6<sup>th</sup> November 2014 to 26<sup>th</sup>, November 2014.

**28. Code of ethics for research followed by the departments**

The researchers do their research originally and the data collected from the respondents are not disclosed to any other outsiders and not used for any other purpose other than research work. Every research thesis undergoes severe review process periodically and before submission the thesis will have to be presented in front of the research forum. The public Viva-Voce examination is conducted with sufficient number of audience and established procedure and practices.

**29. Student profile programme-wise: for the year 2014-2015**

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.B.A.	2014 - 15	196	47	68	96	95
M. Phil.	2014 - 15	32	5	9	95	95
Ph.D.	2014 - 15	38	6	7	100	100

**30. Diversity of students**

Year	Name of the Programme	% of students from the same university	% of students from other universities within the state	% of students from Universities outside the state	% of the students from other countries
2014-2015	PG	54	46	-	-
	M.Phil.	54	40	6	-
	Ph.D.	28	40	32	-

**31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Sl. No	Name of the candidate	Qualification
1.	Mrs. R. Anbuselvi	NET
2.	Mr. Muthukumar	SET
3.	Ms. Valarmathi V	NET
4.	Ms. Anju	NET
5.	Ms. Anbu Geetha	NET
6.	Mr. Ashok Kumar Deepak Geetha	NET
7.	Mr. Arivalazhan	NET

**32. Student progression (Colleges Affiliated / University Department)**

Year	UG to PG	PG to M.Phil	M.Phil. to Ph.D.	PG to Ph.D.	Ph.D. to Post Doctoral	Employed ➤ Campus Selection ➤ Other than campus recruitment	Entrepreneurs
2014-2015	100%	95%	95%	90%	-	-	-

**33. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	31
from other universities within the State	46
from universities from other States	15
from universities outside the country	-

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil****35. Present details of departmental infrastructural facilities with regard to**

- Library: The department has a well equipped library with a computer system and there are 4700 book available for the students and faculty members.
- Internet facilities for staff and students: The department has a state of art computer laboratory having 100 computers internet facility with wi-fi connectivity



- c) Total number of class rooms: Five
- d) Class rooms with ICT facility: Five
- e) Students' laboratories: One Computer Laboratory
- f) Research laboratories: Scholars make use of INFLIBNET available in the University Central Library.

### 36. List of doctoral, post-doctoral students and Research Associates

Number of Doctoral Students	Host Institution	Other Institution
36	11	25

### 37. Number of post graduate students getting financial assistance from the university.

State Government : 120

### 38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - No new programmes started.

### 39. Does the department obtain feedback from

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- alumni and employers on the programmes offered and how does the department utilize the feedback?

Teachers self evaluation is done every year and added to the Annual Report. Students feedback has been collected, analyzed and disseminated to the individual faculty members. Feed back about the curriculum is collected from students and alumni.

### 40. List the distinguished alumni of the department (maximum 10) :

1. Mr. Pat Krishnan, CTO, Helios & Matheson USA, BSMED class of 1988
2. Dr. Subramanian Sivaramakrishnan, Associate Dean, University of Manitoba, Canada BSMED Class of 1987
3. Mr. Premanand Jothi, Under Secretary, FIPB CBDT, New Delhi (Currently Deputy Comm. of IT, MUMBAI) bsmed class of 2001
4. Meera Harish, VP (Sales& Marketing) TATA Group class of 1987.
5. Vinod G Nair, Chairman and Managing Director, The Clea Communications Group, Class of 1989
6. Doraiswamy Parameswaran, President, Technology & solutions Group, YES Bank, Class of 1998
7. Dr.Nithyanandan Devaraaj, Strategic Business Unit Head, Foundry Products Division, Larsen & Toubro (L&T),
8. Mr. S M Shankar, CEO India Metal Works, Cell: 9444009654, [sm\\_shankar@hotmail.com](mailto:sm_shankar@hotmail.com)
9. Mr Gilberth Lourdaraj J, CEO Primero Knowledge Solutions Pvt Ltd, Mob-9442274830 [gilbert@primeroglobal.com](mailto:gilbert@primeroglobal.com).
10. Mr S Manikandan, Director Miltex Engineers(p) Ltd, Mob-98430-10618, [Maidid-miltex@vsnl.com](mailto:Maidid-miltex@vsnl.com)

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Students are provided with practical training with a view of developing multi skills to enhance their employability.
- Bharathiar Management Association (BMA) is students association which is actively involved in academic activities such as organising lectures, seminars and conferences.
- Apart from this, Colloquium session is scheduled in course work in which several series of lectures are organized, many eminent industrialists are invited for lectures through which the students are provided with the real business exposure.
- The School has organized several State, National and International level seminars, conferences and workshops on various themes.
- Organising seminars and conferences served as a platform to the students to develop their event management skill and their level of intellectual caliber.
- The School organizes every year its flagship event Axis, which is a seminar conducted in other cities like Chennai, Bangalore and Cochin. In Axis students are exposed to other developed metropolitan cities through interaction with the eminent industrialists of those cities who are invited for delivering lectures and one day is exclusively provided for Industrial Visits.
- BSMED has got an excellent Alumni Association and networks. The alumni of the school are visiting the school very frequently and share their knowledge and experience with the students. During the three days orientation programme to the first year students, one day is fully handled by the alumni association in which the eminent alumni will educate the students about the school, management education and outside job market.
- The school has association with several bodies such as NEN (National Entrepreneurial Network), YI (Young Indians) through which students are trained with other extra-curricular activities.

**42. List the teaching methods adopted by the faculty for different programmes.**

Power Point slides preparation and presentation, Real time projects to students, Seminar Presentations, Case writing and analysis, Group Discussion, Demonstration like data collection, Analysis and interpretation, Power Point slides preparation and presentation, Demonstration like data collection, Analysis and interpretation among students in the class, Video Plays (subject related), Role Play, Layout preparation, New product developments are also included apart from the regular class room teaching. The student are divided into groups and sent to different industries to generate a report about the operations management.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The updated curriculum with the International Standard makes the students employable worldwide.
- The faculty team is highly qualified and experienced which provides the course work learning experiences highly effective and efficient manner by judicious mix of teaching methods of lecture, assignment and projects, case analysis and presentation, group discussion and seminar presentations.
- Students are trained in a holistic way through variety of learning experiences by curricular, co-curricular and extra-curricular activities.

- The students' learning outcomes are monitored through CIA (Continuous Internal Assessment) components such as written tests, assignments, quiz tests and seminar presentations and through external examinations and lab practical exam.

**44. Highlight the participation of students and faculty in extension activities.**

Faculty members are associated with voluntary organizations and rendering free services like delivering lectures and conducting training programmes. Some training programmes conducted on communication skill, leadership skill, team building skill and life skill at Soft Skill Development and Placement Centre of Government Arts College, Coimbatore.

**45. Give details of “beyond syllabus scholarly activities” of the department.**

- The faculty members are actively involved in research and developmental activities of the school and the University.
- The faculty members are conducting projects funded by UGC, New Delhi and The Government of Tamil Nadu.
- The school has conducted number of State, National and International seminars, conferences and workshops.
- The publication of research articles by the faculty members is huge in number.
- The school has around hundred research scholars both M.Phil. and Ph.D. They are actively involved in their research and publication of their research articles in various refereed journals, conferences, edited volumes and books.
- The school is regularly organizing special lectures through BMA, Colloquium and other Clubs of the school.
- The Placement Cell of the school is actively providing training on communication, group discussion and attending interviews.

**46. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. No.**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Faculty members and research scholars conduct their research on innovative topics and the findings and research work are published in the form of articles and further, the dissertations and the thesis are documented in the library and it is added in the data base of the University.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths**

- Started with U.G.C. assistance in July 1984 and is having adequate infrastructure and required facility.
- 31 years in the field of Management education and research. More than 2100 M.B.A. graduates passed out and 65 Ph.D. scholars.
- Qualified and experienced faculty. A few served in Foreign Universities as Dean, Director, and Professor.
- Choice Based Credit system.
- Annually Updated syllabus and sustainable curriculum.
- Excellent facilities for teaching and research.
- To fulfill the social & Economic justice, the reservation policy is followed.

- Alumni support in conducting annual events like AXIS (12 editions) and NEXUS (3 editions).
- Industry Institute Interaction programs in marketing, HR and Entrepreneurship.
- Faculty members design courses and run programmes with autonomy.
- Participation of faculty members in various seminars, conferences and refresher courses.

#### **Weaknesses**

- Being a Government Institution with University treatment as yet another department.
- General rules applied to specific programmes like this prevent the participation of Industry leaders and experts.
- Coimbatore as Higher Education Hub attract the employers to the flexible operating systems of private institutions.

#### **Opportunities**

- The second cosmopolitan city in Tamil Nadu.
- The industrial, educational and medical hub of Tamil Nadu.
- Professional bodies such as Coimbatore Management Association, CII, CODISSIA, COINDA, CEDAI, SIMHA, TEA etc. offer scope for better interaction.
- Presence of corporate and multi specialty hospitals – scope for offering specific management programs to this sector.
- Scope for the industries and service sectors to sponsor research endeavours.

#### **Challenges**

- Supply demand mismatch.
- Decreasing financial support from the government.
- Students from rural background who are to be molded to the academic activities.
- Competition, in admission, from private business schools.
- Retirement of experienced and senior faculty members.

#### **49. Future plans of the department.**

- To undertake nationally and internationally funded projects.
- To organize seminars, conferences and workshops in the thrust and growth oriented domains.
- To offer specialized programmes through UGC special assistance.
- To publish an International Journal of Management and Research.
- To offer Finishing School facilities for the students after successful completion of their educational pursuits.
- To collaborate with the initiatives of Government of Tamil Nadu in developing Entrepreneurship.
- To facilitate to establish Skill Development Center.
- To adopt a village and offer overall development programmes to be sponsored by corporate through their CSR initiatives.

### **Department of Biotechnology**

1. **Name of the Department:** Biotechnology
2. **Year of establishment:** 1989
3. **Department comes under :** School of Biotechnology & Genetic Engineering
4. **Names of programmes offered –** M.Sc., M.Phil. & Ph.D.
5. **Details of programmes discontinued, if any, with reasons :** Nil
6. **Evaluation System: Annual/Semester/Trimester/Choice Based Credit System**
  - Choice Based Credit System with semester pattern
7. **Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors / Asst. Professors / others) till date**

S.No.	Position	Actual as on 2015
1.	Professor	1 (retired on Aug 2013)
2.	Reader	-
3.	Assistant Professor	5
4.	UGC Assistant Professor	1

8. **Faculty profile with name, qualification, designation, area of specialization, total experience – research guidance and teaching Reduce name column width-accommodate margin in it; is there any need for additional M.Sc. qualifications and respective fields required ??**

Name	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D./ M.phil. guided
Dr. V. Vijayapadma, Assistant Professor Head i/c	Ph.D	Translational Research	13 years in Teaching & 13 years in Research	Ph.D-6awarded Submitted – 1 M.Phil-10completed
Dr. R. Sathishkumar, Assistant Professor	Ph.D	Plant Genetic Engineering	10years in Teaching & 16 years in research after PhD	Ph.D – 6 awarded M.Phil-15 completed
Dr. P. Ekambaram, Assistant Professor	Ph.D	Molecular Toxicology	12 years in Teaching & 14years in Research	Ph.D – 3 awarded M.Phil –6 completed
Dr. S. R. Prabakaran, Assistant Professor	Ph.D	Molecular Microbiology	10years in Teaching & 13 years in Research	Ph.D – 2 awarded Submitted – 2 M.Phil- 13 completed
Dr. S. Girija Assistant Professor	Ph.D	Plant Biotechnology	12 in Teaching & 15years in Research	Ph.D – 6 awarded Submitted -1 M.Phil-8 completed
Dr. R. Boopathy Professor (Retired in July, 2013)	Ph.D	Enzyme Biotechnology	35 years of Teaching and 28 years in Research	Ph.D -3 awarded M.Phil –3 completed
Dr. J. Mathivanan Assistant Professor	Ph.D	Molecular Therapeutics	7 years in research after PhD	Nil

### 9. List of senior Visiting Fellows, temporary faculty, emeritus professors Visiting Professors:

- ❖ Prof. Dr. Ching Feng Weng, Laboratory of Molecular Physiology Department of Life Science & Institute of Biotechnology, National Dong Hwa University, Hualien, Taiwan.
- ❖ Prof. Julian Ma, Hotung Chair of Molecular Immunology, Director, Institute of Infection and Immunity, St. Georges University of London, London, UK (Mar 12-14, 2014)
- ❖ Dr. Matthew Paul, Post Doctoral Fellow, St. Georges University of London, London, UK (Mar 12-14, 2014)
- ❖ Prof. Paul G. Layer, Developmental Biology and Neurogenetics, Darmstadt University of Technology, Germany
- ❖ Dr. Helia Cardosa, PI, Indo-Portugal Project, University of Evora, Evora, Portugal
- ❖ Prof Deouk Chin Yang, Kyung Hee University, Suwan, South Korea (Jan 2012)
- ❖ Dr. Chih Yang Huang, Professor, Graduate Institute of Basic Medical Science, China Medical University and Hospital, Taiwan (20<sup>th</sup> dec – 27<sup>th</sup> dec 2014).

#### Temporary faculty:

- ❖ Dr. T.K. Raja (Retired Professor) – during the leave period vacancy of Dr. S.R. Prabhakaran in 2013

### 10. Percentage of classes taken by temporary faculty – programme-wise information

- Dr. T.K. Raja (Guest faculty) - 6 hrs / week (15% of total classes) - Pharmaceutical Biotechnology

### 11. Programme-wise Student Teacher Ratio

Programme	Total Students	No. of Faculties	Ratio
M.Sc.	53	7	7:1
M.Phil.	13	5	2:1
Ph.D.	33	5	6:1

### 12. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date

- Support Staff (Technical) as on date - Assistant Technical Officer –2
- Administrative Staff as on date - Office Assistant – 1

### 13. Research thrust areas as recognized by major funding agencies

1. Translational Research
2. Metabolic Engineering
3. Plant Genetic Engineering
4. Molecular Microbiolog
5. Molecular Toxicology
6. Molecular Therapeutics

### 14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No	Faculty	Funding Agency	Title of the Project	Amount (Rs. in Lakhs)	Duration		Ongoing/ Completed
					From	To	
1	Dr. R. Sathishkumar	DBT	Development of Vitamin E Biofortified Indica Rice	Rs. 42.86	2012	2015	Ongoing
2	Dr. R. Sathishkumar	DBT (NER-TWINING)	DNA Barcoding to study the Honey Biodiversity in Mizoram	Rs.35.91	2013	2016	Ongoing
3	Dr. R. Sathishkumar	DST (Indo-Portugal)	Study of <i>DcAOX</i> Genes Functionality Associated	Rs. 7.00	2013	2015	Ongoing

			with Cell Reprogramming under Abiotic Stresses				
4	Dr. V. VijayaPadma	DST	Chemosensitizing effect of neferine on cisplatin sensitive and resistant human Lung, Liver and Colon cancer cells in in vitro and in vivo models	Rs. 52.99	2014	2017	Ongoing
5	Dr. J. Mathivanan	Bharathiar University	Generation of BoxB-RNA tethering system to study gene regulatory noncoding RNAs	Rs. 1.00	2014		Ongoing
6	Dr. R. Sathishkumar	The Himalaya Drug Company	To DNA Barcode 50 medicinal plants	Rs. 5.50	2014	2015	Ongoing
7	Dr. R. Sathishkumar	UGC-UKIERI-III	In Vivo and In Vitro Studies of Plant Expressed Recombinant Antigens and Antibodies Against Chikungunya Virus	Rs. 9.62	2015	2016	Ongoing

- In the assessment period from 2010 – 2015, 14 projects were completed with financial assistance of Rs.194 Lakhs from DRDO, DRDO-BU-CLS, DRDO-DRDE, DBT, UGC, UGC-MRP, UKIERI, DST.

## 15. Inter-institutional collaborative projects and associated grants received

### a) National collaboration

S.No.	Collaborators	Institute	Work area
1	Dr.V.Vijaya Padma & Dr.K.Thangaraj	CCMB, Hyderabad	Role of Mitochondria in type II diabetes with organ dysfunction.
2	Dr.V.Vijaya Padma & Dr.R.Anandan	CIFT, Cochin	Effect of EPA on TCDD/Dioxin induced toxicity in rats.
3	Dr.V.Vijaya Padma & Dr.E.Santhini	SITRA, Coimbatore	Medical textiles
4	Dr. R. Sathish Kumar & Dr. S. Sudhakar	M.S University, Tirunelveli	Plant Microbe interaction
5	Dr. R. Sathish Kumar & Dr. C. Guru raj	The Himalaya Drug Company, Bengaluru	DNA Barcoding of medicinal plants Rs. 5.5 lakh
6	Dr. S. R. Prabakaran & Dr. S. Mayilraj	IMTECH, Chandigarh	Microbial Taxonomy and Bacterial diversity
7	Dr. S. R. Prabakaran & Dr. P. Manikandan	Aravind Eye hospital & Post Graduate institute of Ophthalmology, Coimbatore	PCR diagnosis of Post Operative Edophthalmitis

### b) International collaboration

S.No.	Collaborators	Institute	Work area
1.	Prof. Chih Yang Huang & Dr.V.VijayaPadma	China Medical University and Hospital, Taiwan	Chemosensitizing effect neferine in drug resistant lung cancer
2.	Dr.V.VijayaPadma & Prof. Howard Shertzer	University of Cincinnati, Cincinnati, USA	effect of antipsychotic drug in neuronal cells
3.	Dr.V.VijayaPadma & Dr. Ching Feng Weng	National Dong Hwa University, Taiwan	Neferine as a chemosensitizing agent against doxorubicin resistant non-small cell lung carcinoma cells using <i>in vitro</i> and <i>in vivo</i> model.



4.	Dr. S. R. Prabakaran & Prof. Chad Saltikov	University of California, Santa Cruz, CA, US	Heavy metal metabolism-Arsenic/Anaerobic
5.	Dr. R. Sathishkumar & Dr. Julian K.C. Ma	St. Georges University of London	Developing plant based recombinant vaccine against Chikungunya viral infection.
6.	Dr. R. Sathishkumar & Dr. Steven Newmaster	University of Guelph, Canada	Herbal Product Authentication using DNA Barcoding
7.	Dr. R. Sathishkumar & Dr. Birgit Arnholdt-Schmitt	University of Evora, Portugal	Study of <i>DcAOX</i> Genes Functionality Associated with Cell Reprogramming under Abiotic Stresses.
8.	Dr. P. Ekambaram & Prof. Goutam Sethi	National University of Singapore, Singapore	Elucidation of cell signaling pathway in combinational chemotherapy (emodin and arsenic) for hepatocellular carcinoma.
9.	Dr. S. Girija & Prof. Deok Chin Yang	Aejiwon, Kyung Hee University, South Korea	Plant Metabolic Profiling
10.	Dr. J. Mathivanan & Dr. Asoke Mal	Roswell Park Cancer Institute	Generation of cell based readout system
11.	Dr. J. Mathivanan & Prof. Davide Gabellini	San Raffaele scientific Institute, Milan, Italy	Role of epigenetic modification in muscle differentiation.

**16. Departmental Projects funded by DST-FIST, UGC-SAP / CAS, DPE, DBT, ICSR, AICTE etc; total grants received**

S.No.	Funding Agency	Sanctioned (Rs. In Lakhs)	Received (Rs. In Lakhs)
1.	UGC- SAP (DRS Phase –I)	Rs. 42.50	Rs. 30.70
2.	UGC- SAP (DRS-II)	Rs. 75.00	Rs. 4.00
3.	UGC – COP	Rs. 7.00	Rs. 7.00
4.	UG- UGC Students Training	Rs.5.00	Rs. 5.00
5.	DST - FIST (Phase – I)	Rs. 30.00	Rs. 25.00
6.	DST – FIST (Phase – II)	Rs. 122.00	-

**17. Research Facility / centre with State Recognition / National Recognition / International Recognition: Nil**

**18. Special research laboratories sponsored by / various functioning agencies: N/A**

**19. Publications**

S.No	Published in / Faculty	Dr.VP	Dr.PE	Dr.SG	Dr.JM	Dr.SRP	Dr.RS
1.	Number of Papers Published in Peer reviewed Journals	55	10	18	7	8	29
2.	Monographs	-	-	-	-	-	-
3.	Chapters in Books	-	-	-	-	1	8
4.	Edited Books	-	-	-	-	1	
5.	Books with ISBN with details of publishers	-	-	-	-	1	-
6.	Number listed in International Database	-	-	-	-	350	373(DNA sequence)
7.	Citation Index – Range / Average	477	237	272	90	264	4030-60/10
8.	SNIP SJR	41.877 41.065	11.358 13.705	8.94 7.76	7.744 18.122	-	17.256 13.756
9.	Impact Factor – range / average	1.307 – 5.71/ 2.42	0.732- 7.584/ 3.0778	0.5 – 7.84/ 1.181	5.006- 9.28 / 6.334	0.66- 4.214/ 2.13	0.2-7.28/2.0
10.	H-index	12	9	9	6	8	11

**20. Details of patents and income generated: Nil****21. Areas of consultancy and income generated –**

S. No.	Area of Consultancy	Institution	Income Generated
1.	Basic Medical Science	China Medical University, Taiwan	
2.	Adjunct Professor	Asia University, Taiwan	
3.	Himalayan Drug Company		Rs. 5.5 lakh
4.	PCR diagnosis of salmonella	Microbiology	
5.	Diagnostic tool development	Aravind Eye Hospital, Coimbatore	

**22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)**

- **Dr. S. R.Prabakaran-** IUSSTF Research Fellow – 2012, for doing research on “Heavy metal metabolism-Arsenic/ Anaerobic” hosted by Prof.Chad Saltikov, Department of Microbiology and Environmental Toxicology, University of California Santa Cruz, CA, US.
- **Dr. V.Vijaya Padma** - DBT CREST overseas award – 2012, research on “effects of iloperidine on Neuron mitochondrial function and inflammation” hosted by Prof. Howard G.Sherter, Division of Environmental genetics- Molecular toxicology, University of Cincinnati Medical Centre, Cincinnati, USA.  
As a consultant of China Medical University, Taichung, Taiwan and adjunct professor at Asia University, Taichung, Taiwan.
- **Dr. S. Girija** --INSA KOSEF fellowship -2011 to visit Kyung Hee University, Suwan, South Korea.

**23. Faculty serving in**

	Dr.VP	Dr.PE	Dr.SG	Dr.JM	Dr.SRP	Dr.RS
<b>National(Reviewer)</b>	3	1			-	3
<b>International(Reviewer)</b>	20	4	3	5	-	15
<b>Editorial board</b>	3				-	10 (3+7)
<b>Any Other</b>					-	1Popular article in a magazine

**24. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs –and similar programs – Duration place, dates, purpose).****Dr. V.Vijaya Padma**

- Refresher course in Life Sciences (19.11.13 – 9.12.13) sponsored by UGC, BU
- Refresher course in Life Sciences (06.11.14 – 26.11.14) sponsored by UGC, BU
- Attended International Workshop on Biocompatibility Evaluation of Medical Devices from 15<sup>th</sup> –18<sup>th</sup> October 2014, organised by CEMT, SITRA, Coimbatore
- Attended Fourth Euro-India International Conference on Holistic Medicine, Kottayam from 23<sup>rd</sup> -26<sup>th</sup> October 2014 and presented a paper on “Therapeutic Effect of Phytochemicals against mycotoxins.
- Attended 102<sup>nd</sup> Indian Science Congress held at University of Mumbai, Mumbai from 3<sup>rd</sup> – 7<sup>th</sup> January 2015

**Dr. R. Sathishkumar**

- Refresher course in Life Sciences (19.11.13 – 9.12.13) sponsored by UGC, BU
- Attended fully sponsored “International Training Course on DNA Barcoding Informatics and Laboratory Protocols”, 26-10-13 – 08-11-13. Kunming, China.
- Refresher course in Life Sciences (06.11.14 – 26.11.14) sponsored by UGC, BU

**Dr. P. Ekambaram**

- Refresher course in Life Sciences (19.11.13 – 9.12.13) sponsored by UGC, BU
- Refresher course in Life Sciences (06.11.14 – 26.11.14) sponsored by UGC, BU

**Dr. S. Girija**

- Refresher course in Life Sciences (19.11.13 – 9.12.13) sponsored by UGC, BU
- Orientation Course (31.03.2010) “Development of Self-Instructional Materials for Distance Learners” sponsored by UGC, BU

**Dr. S. R. Prabakaran**

- Refresher Course (07.08.2014 – 27.08.2014) – CAFT training on “Biotalysts for fuels and chemicals from Biomers”, Dept. of Microbiology, TNAU, Coimbatore. Sponsored by ICAR.

**25. Student projects**

- Percentage of students who have done in-house projects including inter-departmental projects –100%
- Percentage of students doing projects in collaboration with other universities / industry / institute – Nil

**26. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)  
Faculty**

Faculty Name / Award / Year	Details
Dr.V.Vijaya Padma / DBT CREST overseas award / 2.5.2013 – 25.7.2013	Research on “effects of iloperidine on neuron mitochondrial function and inflammation” hosted by Prof. Howard G.Sherter, Division of Environmental genetics-Molecular toxicology, University of Cincinnati Medical Centre, Cincinnati, USA.
Dr.V.Vijaya Padma / DST funded Indo-Taiwan Exchange Programme / 30.5.2010 - 30.6.2010 , 10.5.2011 - 10.6.2011, 15.6.2012 - 30.6.2012	Visiting professor at National Dong Hwa University, Taiwan
Dr.V.Vijaya Padma / DST funded Indo-Taiwan Exchange Programme / 10.6.2013 – 12.6.2013	Invited talk on “international conference on Gastroenterology and Urology in Hilton Chicago / Northbrook, USA.
Dr.V.Vijaya Padma /Awarded partial funding (DBT) / 3.6.2013 - 6.6. 2013	Invited talk on “World Biotechnology Congress” in Boston, MA, USA.
Dr.V.Vijaya Padma / Awarded funding by DST / 16.5.2011 - 19.5.2011	Invited as a keynote speaker at National Dong Hwa University, Taiwan
Dr.S. R. Prabakaran / IUSSTF Research Fellow / 9.11.2012 – 5.11.2013	Research on “Heavy metal metabolism-Arsenic/Anaerobic” at Prof.Chad Saltikov, Department of Microbiology and Environmental Toxicology, University of California Santa Cruz, CA, US.
Dr. R. Sathishkumar / under UKIERI programme / 1.6.2010 – 30.6.2010	St. George’s University of London, UK for a month as Academic Visitor
Dr. R. Sathishkumar / under UKIERI programme ; 1.6.2013 – 30.6.2013	visited St. George’s University of London, UK for a month as Academic Visitor
Dr. R. Sathishkumar / awarded partial funding by CICS / 7.11.2013 - 13.11.2013	to deliver a invited talk on “Development Of A Standard Reference Material (SRM) DNA Barcode Library For Herbal Product Authentication”. In 5th International Barcode of Life Conference, Kunming, China
Dr. S. Girija / awarded INSA-KOSEF / Sep to Nov, 2011	under bilateral exchange programme and visited Kyung-Hee University

**Doctoral / Post Doctoral Fellows**

Student Name & Award / Year	Details
Dr. P. Poornima / INDO-TAIWAN collaborative project / 2010 to 2012	National Dong Hwa University thrice to Molecular Physiology lab, National Don Hwa University, Taiwan to carry out her research work
Ms. P. Kalaiselvi / awarded full travel grant / 6 <sup>th</sup> - 9 <sup>th</sup> Sep 2012	to attend 16 <sup>th</sup> Binnial meeting of society of free radical research International (SFRRI) for research work
Ms. S. Kalaiselvi / as a research student / Jun 15 <sup>th</sup> to Aug 15 <sup>th</sup> 2012	visited National Dong Hwa University for research work
Mrs. Madhu Elano / as a short term internship fellow	Visited China Medical University and Hospital for research work
Mr. S. Bala Murugan / as research trainee / Feb, 2013- Jan, 2014	visited St. George's University of London UK for research work
Ms. S. Dhivya / as research trainee / Feb. 2013- Dec. 2013	visited University of Guelph, Canada for research work
Mr. S. Balamurugan / as a part of exchange / Nov - Dec. 2013	visited St. George's University of London UK for a month during for research work
Dr. P. Poornima / awarded CSIR – SRF / April 2012	for pursuing Ph.D.
Mr. S. Balamurugan / awarded CSIR – SRF / April 2013	for pursuing Ph.D.
Dr. S. Dhivya / awarded CSIR – RA / April 2013	for pursuing Ph.D.
Dr. Rajeev Kumar / Awarded DBT- RA / 2013	for pursuing Ph.D.
Dr. E. Santhini / Awarded DBT- RA / 2012	for pursuing Ph.D.
Mr. Varghese P. Inchakalody / awarded ICMR-SRF / Jan 2013	for pursuing Ph.D.
Ms. R. Jayasudha / awarded ICMR-SRF / Jan 2013	for pursuing Ph.D.
Mr. Varghese P. Inchakalody / full travel grant / 8 <sup>th</sup> -10 <sup>th</sup> Jun 2011.	To present a poster at “Developing a plant based vaccine against chikungunya virus”. In: International conference on “Plant based Vaccines and Antibodies” held at Tiara Park Atlantica Hotel, Porta, Portugal
Mrs. S. Dhivya / awarded travel grant 28 <sup>th</sup> Nov – 4 <sup>th</sup> Dec 2011.	“DNA barcoding to identify the morphologically similar medicinal plants for pharmacovigilance and to resolve the taxonomical disputes. In: 4 <sup>th</sup> International Barcode of Life Conference, held at Adelaide, Australia
Mr. Rajeev Kumar / awarded full travel funding from CSIR / 26 <sup>th</sup> -28 <sup>th</sup> July, 2010	Oral presentation on “Isolation Of Cold Responsive Genes In Carrot By Suppression Subtractive Hybridisation”. In 34 <sup>th</sup> International Carrot Conference, Washington, USA
Mr. Varghese P. Inchakalody / awarded the best poster / 1 <sup>st</sup> Dec, 2010	“St. George's Research Day” held at St. George's, University of London, UK
Mr. S. Balamurugan / awarded the best poster / 12 <sup>th</sup> -14 <sup>th</sup> Nov, 2010.	“International Conference on Genomic Science” held at Madurai Kamaraj University, Madurai, India
Mr. S. Balamurugan / awarded the best poster / 5 <sup>th</sup> Oct 2012	“Phytomedicine” held at Bharathiar University, Coimbatore
Ms. Ashwini Malla / awarded the best poster / 5 <sup>th</sup> Feb, 2013	“SFRR-SATCON and International Symposium on Antioxidants” held at Avinashilingam University, Coimbatore
S. Venkatachalam / Travel grant by Dept of Biotechnology / 1 <sup>st</sup> - 3rd Dec, 2010	presented a poster “Exploring the bacterial diversity of microbes in search of novel psychrophiles from Himalayas and North Eastern Hills in India” in International conference on “Biodiversity and the UN Millennium Development Goals: Challenges for Research and Action”, Frankfurt, Germany

S. Saranya / awarded the best oral presentation / 3 <sup>rd</sup> Oct 2013	was entitled “Nickel II complexes containing 3 methoxy salicylaldehyde 4(N) substituted thiosemicarbazones induce apoptosis in A549 cells” at Biogalaxia- Anational Symposium, held at Bharathiar University, Coimbatore
V. Dhivya / awarded the best Paper presentation / 30-31st Jan, 2013.	“Salinity induced changes in the Physiological, Biochemical & molecular characters of Sugarcane genotypes” at National seminar on Biotechnological intervention in plant and microbial interaction for crop sustainability held at Periyar University, Salem
P. Ramyaa / awarded the best oral presentation / 30 <sup>th</sup> Jan-1 <sup>st</sup> Feb 2013,	“Quercetin attenuates OTA-induced oxidative stress and inflammatory response by up regulation of Nrf2 expression and down regulation of Nf-KB and COX-2” at International conference on advances in free radical, redox signalling and translational antioxidant research and 12 <sup>th</sup> annual meeting of SFRR India, CSIR-Indian Institute of Toxicology research, Lucknow
E. Santhini / Received best poster presentation award / 2011	“Analysis of mitochondrial genome revealed a rare 50 bp deletion and substitutions in a family with hypertension” at Andhra Pradesh Akademi of Science Young Scientist Convention-2011 held at Acharya Nagarjuna University, Guntur, Andhra Pradesh
A. Gokulanathan / visiting research scholar / Apr-Jun 2012	visited Kyung-Hee University, South Korea
M.Jayanthi / awarded DBT- CTEP travel grant / 30 <sup>th</sup> Sep – 4 <sup>th</sup> Oct, 2011	attending ASMS asilomer conference on metabolomics and presented a poster entitled “Metabolomic approach on Plumbago zeylanica using gas chromatography coupled with quadrupole mass spectrometry and data integration”, at California, USA

**27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants,**

S. No.	Held	Seminars/ conference / workshop	Funding agency	No. of Participants
1.	Mar 2011	Workshop on “Project Presentation	Bharathiar University	50
2.	Apr 2011	Workshop on “Plant molecular Farming”	UKIERI	20
3.	Sep 2011	Workshop on “Autumn school in Biotechnology for college Teachers”	UKIERI	25
4.	Sep 2013	Meeting on “Project funding opportunities	UKIERI	50
5.	5/11/2013	Seminar on “Cancer biology”	UGC	53
6.	6/11/2013 8/11/2013	Workshop on “Cytogenetics and Immuno technology”	UGC	18
7.	Dec 2013	Workshop on “Research Methodology”	UGC	68
8.	16 <sup>th</sup> – 20 <sup>th</sup> Dec 2013	National Workshop on “Techniques in Molecular Toxicology”	DST – PURSE, DBT & ICMR	19
9.	7/01/2014	National Seminar on “Cyber Crime & Security”		160
10.	13 <sup>th</sup> & 14 <sup>th</sup> Mar 2014	Workshop on “Plant Molecular Farming”	UKIERI	25

**28. Code of ethics followed by the department**

- \* Students are provided safety training and provided with safety gadget while preparing experiments.
- \* Transgenic organisms are handled with the regulation advised by Institutional bio-ethics committee (IBSC), Bharathiar University, Coimbatore.
- \* Animal related experiments are handled with the approval of Institutional Animal Ethics Committee (IAEC), Bharathiar University, Coimbatore.
- \* Other experiment concerning Human ethical issue are obtained certification by Institutional Ethical Committee (IEC) of neighboring institution where are compentant to issue appropriate certificate.

**29. Student profile programme-wise: 2014 – 2015**

Name of the Programme	Applications received	Selected		Pass percentage Male Female
		Male	Female	
M.Sc.	731	26	60	99%
M.Phil.	140	11	17	100%
Ph.D.	169	16	9	100%

**30. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the state	% of students from other universities outside the state	% of students from other countries
M.Sc.	26	66	8	-
M.Phil.	31	50	19	-
Ph.D.	31	60	9	-

**31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

S. No.	Name of the Student	Nature of Qualification/ Year of Passing
		NET / SET / GATE / CSIR /
1.	Jamima Beulin	CSIR- JRF / 2010
2.	N. Arul Jothi	NET / 2010
3.	Kalyani	CSIR-NET / 2010
4.	K. Sowmya	CSIR-NET / 2010
5.	K. B.Vandana*	CSIR- NET (JRF) / 2010
6.	M. Tharani	GATE / 2010
7.	M. Kanagadurga	SET / 2010
8.	V.S. Avinash	NET / 2010
9.	K. Anbarasu	GATE / 2010
10.	M.B Halima	NET / 2010
11.	N. Shobana	NET / 2010
12.	C. Raj Kumar	GATE / 2011
13.	V. Lakshmi	CSIR-SRF / 2011
14.	A. Raghunath	GATE / 2011
15.	V. Sivan kalyani	CSIR- NET (JRF) / 2011
16.	J. Balaganesh	GATE / 2011
17.	J. Balaganesh	NET / 2011
18.	P. Poornima	CSIR – SRF / 2012
19.	S. Balamurugan	CSIR – SRF / 2012
20.	Maria Philip	GATE / 2012
21.	C.M. Saffique	GATE / 2012
22.	V. Savitha	GATE / 2012
23.	A.Mythili	SET / 2013
24.	S. Bala Murugan	SET / 2013
25.	Anjana Hari*	CSIR- NET (JRF), GATE / 2013
26.	S. Lalitha	DBT – SRF / 2013
27.	I. Vadivel Murugan	DBT – JRF / 2014
28.	Mannapara Akshara Ramachandran	CSIR-NET / 2014
29.	K. Mahima	GATE / 2014

**\*Candidate currently pursuing Ph.D in the Department of Biotechnology, Bharathiar University**

**32. Student progression**

Student	Percentage against enrolled
PG to M.Phil.	36
PG to Ph.D.	64
Ph.D. to Post-Doctoral	--
Employed - Campus selection - Other than campus recruitment	--
Entrepreneurs	--

**33. Diversity of staff**

Percentage of faculty who are graduates	
From the same University	--
From other Universities within the State	100%
From Universities from other States	--
From Universities outside the Country	--

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: NA****35. Present details of departmental infrastructural facilities with regard to**

- a) Library – Department Library – No. of books & journals- 22
- b) Internet facilities for staff and students – Yes
  - INFLIBNET access - 100 Mbps.
  - WiFi - 2.4 GHz high gain 300mbps
- c) Total number of class rooms
  - 2 for M.Sc and 1 for M.Phil (capacity of 30 members in each class room)
- d) Class rooms with ICT facility – Yes
  - 1 Seminar hall with audio and video , recording/ performing facility ( capacity of 90 members)
- e) Students' laboratories – Yes
  - 1 M.Sc laboratory to organize practical and part of the project experiment.
- f) Research laboratories – Yes
  - Translational Research laboratory - Molecular Toxicology laboratory
  - Plant Genetic Engineering laboratory - Enzyme Biotechnology laboratory
  - Molecular Microbiology laboratory - Molecular Therapeutics laboratory
  - Metabolic Engineering laboratory

**36. List of doctoral, post-doctoral students and Research Associates****a) From the University –**

Total number students from M.Sc. to M.Phil. : 09

Total number students from M.Sc. to Ph.D. : 12

**b) From other institutions / Universities –****Foreign Students**

- ❖ Dr.Bharath kumar, Mr.Varadha rajan Doctoral Fellow, Laboratory of Molecular Physiology Department of Life Science & Institute of Biotechnology, National Dong Hwa University, Hualien, Taiwan.
- ❖ Post graduate students: Hung-Yuan Shih, Tsai-Hsing, Yu-Jyuan Jhang, Huei-Wun Sie, Yi-Wen Tong, Laboratory of Molecular Physiology Department of Life Science & Institute of Biotechnology, National Dong Hwa University, Hualien, Taiwan



**37. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others**

- Tamilnadu Science Council for Science and Technology- One student
- State government- 20 students (2010- till date)

**38. Was any need assessment exercise undertaken before the development of new programme(s)? – NA-****39. Does the department obtain feedback from****a) Faculty on curriculum as well as teaching-learning and evaluation?**

If yes, how does the department utilize the feedback? – YES

**b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? – YES**

The feedback from the students is obtained in the prescribed format from the students which will be sent to the university IQAC and the HOD will discuss and suggest the faculty regarding the improvement of teach learning and evaluation methods at faculty meeting and board of studies, dept of biotechnology , Bharathiar University, Coimbatore.

**c) Alumni and employers on the programmes offered and how does the department utilize the feedback? - YES**

The Board of Studies (Biotechnology) conduct Annual meetings with representation from alumni and industry who were as member in BOS.

**40. List the distinguished alumni of the department (maximum 10)**

S. No.	ALUMNI
1	Dr.P.Poornima, Post Doctoral Research Association, Bangor University, UK.
2	Dr. P. Kalaiselvi , China Medical University, Taiwan
3	S. Venkatachalam, Post Doctoral Research, Rhodes University, South Africa.
4	Dr. F. Lukmanul Hakkim, Asst Professor, University of Nizwa, Oman.
5	Dr. V. SivanKalyani, Post Doctoral Research Scientist, Agricultural Research Organization-Volcani Centre, Israel
6	Dr. S. Rajeev Kumar, DBT-RA, NBRI, Lucknow.
7	Dr. T. Palvannan, Assistant Professor, Periyar University
8	Dr. R.V. Rajesh, Assistant Professor, CMC, Vellore
9	Dr. E. Santhini, South Indian Textile Research Association (SITRA)
10	Dr. M. C. Harish, Assistant Professor, Thiruvalluvar University

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.****Our department has organized**

- \* One day National Seminar on “Cancer Biology” held in November, 2013 for national level participants.
- \* UGC sponsored three days Workshop on “Cytogenetics and Immunotechnology” held in November, 2011 for National level participants.
- \* UGC sponsored Five day Workshop on Research methodology held in 10<sup>th</sup> - 14<sup>th</sup> December, 2013 for University students. – 83 Students.
- \* One day workshop on “Project Preparation” held in March, 2011 for University students. - **50 students**
- \* Two day UKIERI sponsored Indo-UK workshop on “Plant Molecular Farming” held in April, 2011 for National level participants. - **20 participants**
- \* Indo – UK Plant Molecular Workshop-II held on 13<sup>th</sup> & 14<sup>th</sup> March 2014 – **25 participants**

- \* National Workshop on “Techniques in Molecular Toxicology” funded by DST-PURSE, DBT and ICMR from 16<sup>th</sup>– 20<sup>th</sup> December, 2013.

**Special Lectures:**

- Dr. P. Selvaraj, Emory University, Atlanta, USA - “Development of Therapeutic Cancer Vaccine” held on 24<sup>th</sup> January 2013 for University students.
- Dr. Paul G. Layer, Professor, Darmstadt University, Germany- “From Development to Stem Cell Biology to Regenerative Medicine” held on 19<sup>th</sup> October 2012 for University students.
- Dr. Deok-Chun Yang, Professor Kyung Hee University, South Korea – “Traditional Medicinal Plants and Novel Drug Development” held on 13<sup>th</sup> February 2012 for University students.
- Dr. Mary Mohankumar, Senior Scientist, IGCAR, Kalpakkam – “Cytogenetic Assays in Toxicology” held on 5<sup>th</sup> August 2011 for University students.
- Dr. Sathiyarayarana N. Gummadi, Associate Professor, IIT, Chennai – “Auto antibodies and Atherosclerosis” and “Deliberation and Student Discussion” held on 24<sup>th</sup> April 2011 for University students.
- Prof. Julian Ma, St. George’s University of London, delivered a lecture on Plant Molecular Farming on April, 2011.
- Dr. Helia Cardosa, University of Evora, Evora, Portugal delivered a lecture on AOX and Programmed cell death in Jan. 2015
- Dr. Prof. Chih Yang Huang, China Medical University, Taiwan delivered a lecture “Exploring the Roles of Insulin-like growth factor receptor (IGF-IIR) in heart cells of the past ten years – IGF –IIR Cinderella, Sanity?”

**42. List the teaching methods adopted by the faculty for different programmes.**

Regular contact classes involving power point presentations black board and student seminars for PG students. Contact classes with power point presentations and student seminars and organizing special lectures for Research scholars (both M.Phil and PhD).

**Curriculum last revised & significant changes:** The whole curriculum is based on Choice Based Credit System (CBCS) with maximum credit of 90 where about 25% credits are for “hands on training”. Each year the syllabus is revised. Thus in the present academic year (2012-13), courses like Computational Biology, Stem Cell Biology, Tissue Engineering, Plant Molecular Farming, Pharmaceutical Biotechnology and Medical Biotechnology were introduced. Additionally following CSIR type, we have introduced objective type of questions for 10% of marks (subject wise) in our M.Sc program.

**Teaching lab:** A Computer Lab using Schrodinger software; Accelrys software is put in use; 24x7 internet facility for all students (51 terminals) are positioned; All PG practicals are carried out in Specialized Research Lab facility (Protein Engineering lab, Molecular Toxicology lab, Molecular Microbiology lab, Plant Genetic Engineering lab, Animal Tissue Culture lab, and Metabolic Engineering lab).

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Through continuous evaluation by internal assessments, assignments and seminars for PG students. The research progress of the research students is evaluated by the regular doctoral committee meetings.

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

The PG students and research scholars are all active members of the student club “Bio-Explora” through which they are engaged in activities like- organizing ‘Blood Donation

camp', 'planting saplings', giving presentations to school children with active support from the faculty members.

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

The department research students are all members of journal club through which they are actively involved in regular sessions of seminars and discussions pertaining to their research. The PG students and research scholars are all active members of the student club “Bio-Explora” through which they are engaged in activities like- organizing ‘Blood Donation camp’, ‘planting saplings’, giving presentations to school children and publishing regular “news letter” once in three months. Faculty are also members of the editorial board of various journals and also served as reviewers for reputed, peer reviewed national and international journals.

**46. State whether the programme /department is accredited /graded by other agencies? - Nil-**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Novel mitochondrial mutations have been identified in the Diabetes patients with organ dysfunction. A new anticancer agent with chemosensitizing ability has been identified from the lotus seeds. Cytoprotective efficacy of the antioxidant phytochemicals against mycotoxins and environmental toxins has been evaluated.
- In the field of plant genetic engineering studies, the transgenic tobacco and tomato plants with increased vitamin- E content were successfully developed. We also expressed the native Carrot *AFP* protein in tobacco and tomato plants for tolerance against cold stress. We also proved that plant is a cost effective expression system for producing vaccines against Chikungunya virus. *ITS* and *mat K* were proved to be effective barcode candidates for the *Zingiberaceae* and *Apocyanaceae* families.
- Endophthalmitis is a potential sight threatening complication of surgical procedures Identified the monobacterial as well as polybacterial community of endophthalmitis (Eye infections) through 16S rRNA gene libraries. Bacterial diversity has been studied in Himalayas and the western ghats which include *Erwinia*, *Mycetecola*, *Agromyces*, *Kluyvera*, *Enterobacter* from the foot hills of Himalayas through cultivable method. Arsenic contamination is an alarming problem in Bengal basin where dissolved inorganic forms are exceptionally high, leading to health concerns where. Genetic determinants responsible for arsenic resistance are being studied.
- Systematic evaluations of the Radioprotective effect of *Ocimum sanctum*- derived phytochemicals such as Rosmarinic acid and their collective antioxidant property were documented. Transgenic tomato expressing the *Arabidopsis*  $\gamma$ -tocopherol methyl transferase gene for enhanced vitamin E content and cold tolerant tomato expressing *Arabidopsis Rare Cold Inducible 2A* gene were developed. Green synthesis of silver and gold nanoparticles and their characterization were carried out keeping in mind their applications in various fields such as Optics, Surface Enhanced Raman Scattering, and so on. In addition, evaluation of their uptake by various model organisms was done by NanoSIMS.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths	Weakness	Opportunities	Challenges
Animal Tissue Culture lab Enzyme Biotechnology lab Molecular Microbiology lab Molecular Toxicology lab Metabolic Engineering lab Plant Genetic Engineering lab Molecular Therapeutics lab	No trained technicians in the department	Due to national Collaborations of the faculty and the eminent speakers visiting the department during the workshops and seminars, the research scholars are finding opportunities to interact with senior scientists and work in established laboratories creating PG students.	Getting NET qualified students for Ph.D programme and establishing placement cell.

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

Established collaboration with UK, Taiwan, Korea, Singapore, Canada and US based research institutions; Planning for new research collaboration with Germany and Portugal.

**Future Focus/Research**

- Establishing anaerobic facility for studying archaea and anaerobes
- Developing diagnostic tool for Post operative endophthalmitis infections in eye hospitals.
- Phytochemicals as cytoprotective agents against fluosis and environmental toxins
- Nanoparticle induced learning and memory impairments in mice and teratogenicity in zebrafish
- Phytochemicals as Chemosensitising agents against multidrug resistance in cancer
- Metabolic and genetic engineering of plants for novel traits
- Application of DNA barcoding for plant identification and detection of adulterants.
- Development of cold and drought tolerant transgenic plants
- Metabolic profiling for biopharmaceuticals
- Generation of novel therapeutic strategies
- Plant based vaccine for chikungunya viral infection
- Molecular therapeutics
- DNA barcoding for medicinal plants and its products using NGS for multiple herbal product mixtures
- Plant Molecular Pharming to tackle infectious diseases.
- Metabolic profiling through Mass spectrometry
- Signaling pathways in cell death
- Molecular diagnostics
- Translational research

### **Department of Microbial Biotechnology**

1. **Name of the Department :** Microbial Biotechnology
2. **Year of establishment :** 2008
3. **Department comes under** School of Biotechnology & Genetic Engineering, Science faculty
4. **Names of programmes offered (PG, M.Phil., Ph.D., Diploma etc.) –**  
M.Sc. Industrial Biotechnology  
M.Phil. and Ph.D. in Microbial Biotechnology
5. **Details of programmes discontinued, if any, with reasons –** Nil
6. **Examination system:** Semester, Choice based credit system.
7. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1	1(2008)	1
Associate Professors	2	-	-
Asst. Professors	3	3(2008,2009,2011)	3

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.K.Swaminathan, Professor	M.Sc., M.Phil., Ph.D.	Botany (Plant pathology)	T - 32 R - 36	Ph.D. – 24 M.Phil. – 35
Dr.J. Angayarkanni, Assistant Professor	M.Sc., Ph.D.	Biotechnology	T– 10 R – 17	Ph.D. - 9 M.Phil. – 15
Dr. V. Brindha Priyadarisini, Assistant Professor	M.Phil., Ph.D.	Botany	T- 8 R-13	Ph.D.- 5 M.Phil- 8
Dr.K.Preethi, Assistant Professor	M.Phil., Ph.D. SET qualified	Biotechnology	T-13 yrs R-8.3 yrs	Ph.D- Nil M.Phil- 3

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors –** Nil
10. **Percentage of classes taken by temporary faculty – programme-wise information -**Nil.
11. **Programme-wise Student Teacher Ratio**  
PG: 11:1; M.Phil. 4:1; Ph.D. : 8:1
12. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

Supportive staff	Sanctioned (Year)	Filled (Year)	Actual
Technical	2	-	-
Administrative	2	2	2

13. **Research thrust areas as recognized by major funding agencies.**  
Life sciences - Enzymology, Microbiology, Environmental Sciences, Health Sciences. Mop

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

**a) National – 3 faculties**

**Dr.K.Swamianthan** - Total projects: 12 Nos, Total fund generated: Five crores twenty one lakhs seventy seven thousand nine hundred and sixty seven (Rs.5, 21, 77,967/-), Funding agencies: DOE; UGC; DRDO-DLJ; DRDO-DRDE; DST; DOE-TN; DRDO-DLJ; DRDO-LSRB; DRDO-CFEES; DRDO-BU CLS; UGC-MRP; UGC-BSR,

**b) Projects during this period (2010 – 2015): 11**

- 1) Dr.K.Swaminathan, Microbial lipase mediated transesterification of Jatropha curcas oil for biodiesel production,2007-2010,DRDO-Life Sciences Research Board, Ministry of Defence, Govt. of India, Rs.32, 05, 050/-.
- 2) Dr.K.Swaminathan, Production of Biofuel, Ethanol from cellulosic wastes,2008-2010, DRDO-Centre for Fire, Explosive and Environmental Safety (CFEES),Ministry of Defence,Govt. of India, Rs.9.88 Lakhs.
- 3) Dr.K.Swaminathan, Environmental Management and Biotechnology (Project Director), 2005-2010, DRDO-BU-Centre for Life Science, Rs.4.30 crores.
- 4) Dr.K.Swaminathan, Biodiesel from Simarouba glauca seed: Development of a protocol for extraction and enzymatic transesterification, 2012-2015, UGC-MRP, Rs.8 Lakhs.
- 5) Dr.K.Swaminathan, UGC-BSR One Time Grant, 2012-2015, UGC, Rs.7 Lakhs.
- 6) Dr.J.Angayarkanni, Novel derivative of Lovastatin as anticancer agent, 2010 – 2013, Department of Science and Technology (DST), New Delhi, Rs. 29.50 Lakhs.
- 7) Dr.J.Angayarkanni, Semisynthetic complexes of ruthenium for antitumor property of Topoisomerase inhibitors, 2008 – 2011, Indian council for Medical Research (ICMR), New Delhi, Rs. 14, 42, 943/-.
- 8) Dr.J.Angayarkanni, Isolation of telomerase inhibitor from soil microbe, 2007 – 2010, Department of Biotechnology (DBT), New Delhi, Rs. 15.20 Lakhs.
- 9) Dr.J.Angayarkanni, Purification and characterization of pterin deaminase from microbial source, 2007 – 2010, University Grants Commission (UGC), New Delhi, Rs. 7, 87, 600/-.
- 10) Dr.V.Brindha Priyadarisini, Characterization of pigments from Actinomycetes collected from industrially polluted areas for therapeutic applications, 2011-2014, University Grant Commission, Rs.10, 03, 800/-.
- 11) Dr.V.Brindha Priyadarisini, Screening for antimicrobial peptides from marine actinomycetes against septicemia in Indian carp,2015, Department of Biotechnology, New Delhi, Rs.29, 33, 522/-.

**c) Fund generated during this period: Five crores ninety three lakhs thirty thousand nine hundred and fifteen only (Rs.5, 93, 30, 915/-)**

**15. Inter-institutional collaborative projects and associated grants received**

**(a) National collaboration**

Dr. J. Angayarkanni has national collaboration with Dr. G. Archunan, Professor and Head, Department of Animal Sciences, Bharathidasan University, Trichy, Project entitled- Novel derivative of Lovastatin as anticancer agent (2010-2013) for Rs. 29,50,000 for Host, and 13,45,000For collaborator, funded by Department of Science and Technology (DST), India.

**b) International collaboration – Nil**

**16. Departmental projects:**

- 1) Department of Science and Technology, under the Promotion of University Research and Scientific Excellence Project has sanctioned to Sabarathinam.S (Project Assistant) and Venkatesan.K (Project Fellow) during the period of 2011-2014. (Completed)
- 2) Department of Science and Technology, under the Innovation in Science Pursuit for Inspired Research has been sanctioned to Poorna Chandrika.S and Thazeem.B (JRF/DST INSPIRE FELLOW) for the period of 2014-2018. (Ongoing)

**17. Research facility/centre with State recognition – Nil****18. Special research laboratories sponsored by / various funding agencies - Nil****19. Publications:**

Name & Designation of the Faculty Member	No. of papers	Mono graphs	Chapters in Books	Edited books	Books with ISBN	Citation index	SNIP	SJR	Impact factor	H- index
Dr. K.Swaminathan	112	-	-	-	-	1042	-	-	143.08 (a)	16(a)
Dr. J.Angayarkanni	45	-	-	-	-	285	-	-	25.32(b)	8(b)
Dr. V. Brindha Priyadarisini	20	-	2	-	-	97	-	-	19.65(b)	5(b)
Dr. K. Preethi	12	-	-	-	1 (978-3-659-32755-1)	10	-	-	16.67(b)	2(b)

(a) Web Science; (b) Google Scholar

**20. Details of patents and income generated – Nil****21. Areas of consultancy and income generated – Nil****22. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.) -**

Dr. J. Angayarkanni was awarded BOYSCAST Fellowship by Department of Science and Technology (DST), New Delhi, for getting training on Genetic Engineering and Molecular Biology at Department of Biological Sciences, National University of Singapore, Singapore from 21.06.2010 to 20.06.2011.

**23. Faculty serving in**

- a) **National committees** b) **International committees** c) **Editorial Boards** d) **any other**  
 Dr. K. Swaminathan is the member of Faculty selection committee in Tamil Nadu Universities.

**24. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

Name & Designation of the Faculty Member	Nature of FDP				Date & Duration	Name & Place of the Institution where FDP undergone
	Orientation	Refresher (Title)	Training Programme (Name)	Any Other		
Dr. J. Angayarkanni			Genetic Engineering & Molecular Biology		21.06.10 to 20.06.11	Department of Biological Sciences, National University of Singapore, Singapore



Dr. J. Angayarkanni		Life Sciences			19.11.13 To 09.12.13	UGC-ASC Bharathiar University, Coimbatore
Dr. V. Brindha Priyadarisini	Orientation programme				20.01.10 To 16.02.10	UGC-ASC Bharathiar University, Coimbatore
Dr. V. Brindha Priyadarisini		Life Sciences			09.02.11 To 01.03.11	UGC-ASC Bharathiar University, Coimbatore
Dr. V. Brindha Priyadarisini		Life Sciences			19.11.13 To 09.12.13	UGC-ASC Bharathiar University, Coimbatore
Dr. K. Preethi				FD P	24, 25, 26 <sup>th</sup> May 2011.	UGC-Academic Staff College, Bharathiar University, Coimbatore
Dr. K. Preethi			Defence Institute of Quality Assurance		19-21 <sup>st</sup> Sep. 2011	Defence Institute of Quality Assurance Campus, Bangalore
Dr. K. Preethi	Orientation Programme				20.11.12-17.12.12	UGC-Academic Staff College, Bharathiar University, Coimbatore

## 25. Student projects

- percentage of students who have done in-house projects including inter-departmental projects – 71%
- percentage of students doing projects in collaboration with other universities / industry / institute – 29%

## 26. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)

- Faculty**
  - Dr. K. Swaminathan** is awarded with UGC-BSR-One Time grant.
  - Dr. K. Swaminathan** was awarded DST-Travel grant for paper presentation in the 13<sup>th</sup> International Conference on Bioinformatics (InCoB 2014) from 31.07.2014 to 02.08.2014, Novotel Sydney Brighton Beach, Sydney, New South Wales, Australia.
  - Dr. J. Angayarkanni** was awarded BOYSCAST Fellowship by Department of Science and Technology (DST), New Delhi, for getting training on Genetic Engineering and Molecular Biology at Department of Biological Sciences, National University of Singapore, Singapore from 21.06.2010 to 20.06.2011.
  - Dr. V. Brindha Priyadarisini** was awarded DST-Travel grant :  
For poster presentation in the conference Aquaculture America 2012 during Febraury 28<sup>th</sup> to March 2<sup>nd</sup>, Las Vegas, USA.
- Doctoral / post doctoral fellows**
  - V. Jayavignesh was awarded with foreign travel grant by CSIR and TNSCST (2011).
  - M. Ranjith Kumar was awarded with foreign travel grant by DBT, New Delhi (2011).
  - Y. M. Purushothaman was awarded with foreign travel grant by DBT, New Delhi (2011).
  - Deepu Krishna P.R. won the best volunteer award for students' association activities during 2010-2011 academic year.

- **Students**

1. R. Sankar Ganesh was awarded with summer research fellowship in 2012 by Indian Academy of Sciences at University of Jammu, Jammu.

## 27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants :

### Source of funding – Bharathiar University.

- Series of one day National Seminars was organised on Biogalaxia, in 2010, 2011, 2013 and 2014 with participants of 240, 300, 280 and 300 respectively.
- Workshop on Molecular Techniques sponsored by CSIR was organised from 16.09.13 to 26.09.13 for eleven participants from all over India.
- One day National seminar on 'Bioprospecting for today's world' was organized on January 8, 2014 and total number of participants-230.

## 28. Code of ethics for research followed by the department –

The department faculties are working in different areas at which different ideas are shared among them and specialized labs were established. All the instruments are also shared by all the research scholars. Every week student seminars are conducted for the scholars to broaden their knowledge and Horne their research ideas.

## 29. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (2013-2015)	28	14	6	50	
M.Sc. (2014-2016)	36	14	15	I Year Students	
Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Phil. (2013-2014)	12	3	2	60	
Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Ph.D. 2014	7	2	1		

## 30. Diversity of students

Year 2014-15

Name of the Programme	% of students from the same University	% of students from other Universities within the State	% of students From Universities outside the State	% of students from other countries
M.Sc.	67	21	11	-
M.Phil.	-	-	-	-
Ph.D.	8	-	-	-

## 31. How many students have cleared Civil Services and Defence Services examinations NET, SET, GATE and other competitive examinations? Give details category-wise.

Category	Civil services & Defence examinations	CSIR- NET	SET	GATE
PG	-	2	-	-
M.Phil.	1	-	2	-
Ph.D.	-	-	-	-

**32. Student progression**

Student	Percentage against enrolled
PG to M.Phil.	13
PG to Ph.D.	2
Ph.D. to Post-Doctoral	3
Employed	
• Campus selection	-
• Other than campus recruitment	37
Entrepreneurs	-

**33. Diversity of staff**

Percentage of faculty who are graduates	
From the same University	50
From other Universities within the State	50
From Universities from other States	-
From Universities outside the Country	-

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period – Ph.D awarded :**

1(Dr.K.Preethi) – 2011.

**35. Present details of departmental infrastructural facilities with regard to**

- Library - Yes
- Internet facilities for staff and students - Yes
- Total number of class rooms – 2 Nos.
- Class rooms with ICT facility – 2 nos.
- Students' laboratories – 1 no.
- Research laboratories – 4 nos.

**36. List of doctoral, post-doctoral students and Research Associates**

- from the University – Doctoral degree -19
- from other institutions/Universities - Doctoral degree -6

**37. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others**

Nature of Scholarship	2010		2011		2012		2013		2014	
	M	F	M	F	M	F	M	F	M	F
B.C.(State)	-	-	1	1	3	-	2	4	-	1
B.C.M.(State)	-	-	-	-	1	-	-	1	-	-
M.B.C./D.N.C.(State)	-	-	1	-	2	-	2	-	1	-
SC/SCA/ST(National)	-	-	6	-	-	-	-	-	-	-
SC/SCA/ST(State)	1	1	-	-	6	1	3	-	1	2
First Generation Free Education	-	-	-	-	1	-	-	-	-	-
Loan Scholarship			3	-	3	-	-	-	-	-
Others (Specify the name of the scholarship)	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>1</b>	<b>16</b>	<b>1</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>3</b>

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

From the inception of Department of Biotechnology in 2002, M.Sc. Industrial Biotechnology has been offered with strength of 12 students. After assessing the enormous application received (~1000) the strength of student intake was increased to 20

in 2007. Once the department was bifurcated into Biotechnology and Microbial Biotechnology in 2008, the PG programme in Industrial Biotechnology is being offered under the aegis of Microbial Biotechnology. In this course the intake was increased to 20 based on the number of applications received and since the demand was high, now 30 intakes.

The feedback from the alumni was sought on the curriculum and syllabus of the course. Besides that the industrial need for skills was analysed by interacting with the industrial persons who come for board of studies meeting. Based on these views, it is proposed to initiate a new course entitled “PG Diploma in Clinical Techniques”, with the initial strength of 15 students. It has to be discussed in the ensuing Board of Studies meeting.

**39. Does the department obtain feedback from**

**a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

- The curriculum is being regularly analysed and changed based on the feedback from the faculty who is handling the respective papers. Their feedback is taken to the Board of Studies and with the permission of the board the papers are changed; As the evaluation pattern is common to all mostly the evaluation pattern is not changed; Based on the feedback from the faculty, the classrooms were fitted with LCD projectors and wifi connections. This has facilitated the staff to improve their teaching techniques.

**b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

- The feedback from the students was discussed among the faculty to identify the academically weak students. The course coordinator was directed to tend to the students need for their improvement; The staff evaluation feedback was sought from students regularly. The Head of the department analyses the feedback and if needed he discusses with the specific faculty individually. The feedback from the students were also taken up for curriculum designing during the board of studies meeting.

**c) Alumni and employers on the programmes offered and how does the department utilize the feedback?**

- The curriculum was revamped at regular intervals at Board of Studies meeting wherein the student alumni and industrial experts are also members. Based on the view of those members, the faculty who handles the paper and HOD, the contents in the paper is changed; Besides the regular curriculum, the course coordinator is advised to stress upon students for improving the soft skills mainly communication skills.

**40. List the distinguished alumni of the department (maximum 10) -**

- Dr.R.Gurusamy – Director, school of Life sciences, Hindustan College of arts and science, Coimbatore, Tamil Nadu India
- Dr. M. Palaniswamy – Dean and Professor, Department of Microbiology, Karpagam University, Coimbatore, Tamil Nadu, India
- Dr. A. Premkumar - Research officer, Tissue culture and anti-rabies production, Pasteur institute, Coonoor, Tamil Nadu, India
- Dr. M. Sathishkumar - Senior manager - R&D, Eureka Forbes, Bangalore, Karnataka, India.
- Dr. K. Selvam – Associate professor, Department of Botany, Periyar University, Tamil Nadu, India
- Dr. J. Angayarkanni - Assistant Professor, Department of Microbial Biotechnology, Bharathiar University, Coimbatore, Tamil Nadu, India

- Dr. R. Jayabalan - Assistant Professor, Department of Biotechnology, NIT, Rourkela, Odisha, India
- Dr. S. Sadhasivam - Institute of Biomedical engineering and Nanomedicine, National Health Research Institutes, Taiwan.
- Dr. B. Sundaram - Assistant Director, Quality assurance division, Pasteur institute, Coonoor, Tamil Nadu, India.
- Dr. S. Sathish - Scientist (Virology), Christian Medical College, Vellore, Tamil Nadu, India
- Dr. Kavitha- Post Doctoral Fellow, Canberra Hospital and Health services, Medical University of Vienna, Canberra, Australia.

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Biogalaxia 2010 was conducted as a special National Seminar with special lecturers.
- Biogalaxia 2011 was conducted to enrich the students with seminars presented by the chief guests from various institutions.
- Biogalaxia 2013 was conducted as National Symposium on innovations of Technology for students.
- Special lectures conducted for each paper for 2011-2013 batch students.

**42. List the teaching methods adopted by the faculty for different programmes.**

- For PG the classes were taken with the help of power point presentations. If needed the faculty are using animations available in the net to explain certain concepts. Every day the students were given questions for which they have to seek answers and have to submit the answers the next day.
- For M.Phil. Scholars the course work is mostly self study. They are advised to give seminars on all topics which will be evaluated by the faculty for improvement. Besides their course work they are regularly having discussions with their respective guides for their dissertation work. Apart from this special lectures were also arranged on Research Methodology.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The academic performance of PG students (Marks and seminar presentations) are regularly monitored for their improvement.
- The research scholar performance is being monitored from their publications and their innovative ideas in research.

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

- November 2010, students created Blood Donors Database in association with Blood and Organ Donors Club.

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

- The PG project students (II year), M.Phil. and Ph.D. scholars are asked to give a weekly seminar on one research article of their interest. The topic is being widely discussed to enrich their research knowledge.
- The student association BIOGALAXIA is conducting a National Seminar every year creating a good platform to improve their academic and managerial skills.
- Besides the yearly seminar, they are also inviting experts from various fields to enlighten the students with their research ideas and achievements.

**46. State whether the programme/department is accredited / graded by other agencies? -No-**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The curriculum of the PG is designed with a summer project for which the student has to work in a research lab for a minimum period of 45 days during the vacation. This provides an opportunity for the students to acquire research skills wherein he learns to apply his theoretical knowledge.
- The research scholars are encouraged to submit research papers for presentation at International Conferences at foreign countries to expose them to global research.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength:**

- Good infrastructure facility
- Recipient of several financial assistance from various funding agencies such as UGC, DBT, DST, ICMR and DRDO
- Well qualified staff with motivating attitude to achieve more

**Weakness:**

- Lack of teaching faculty in adequate numbers
- Lack of technical staff
- Lack of continuous power supply

**Opportunities:**

- The research labs are open to all PG students to work which gives them an opportunity to a glimpse of research
- The research scholars are given opportunity to visit other collaborators lab both in India and abroad to improve their research skills
- The research scholars are encouraged to avail travel grants for foreign visits
- Research scholars are given an opportunity to avail several research fellowships such as ICMR, SRF, RA, etc.

**Challenges:**

- The student association BIOGALAXIA is regularly conducting a National Seminar inviting more than 300 participants from all over India. All of them rise up to the challenge of conducting various events for all in an efficient manner.
- Besides their curriculum they are involved in several extension activities such garden maintenance, school awareness programme, blood donation camp, etc.

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- The department has taken an initiative of offering a programme viz. PG Diploma in Clinical Techniques with collaboration of Hospital to produce skilled persons
- New research projects have been proposed in collaboration with Bharathidasan University for the financial assistance from DBT
- An International Conference is being planned to be conducted in 2014 which will pave way for international collaborations.

### **Department of Chemistry**

1. **Name of the Department :** Chemistry
2. **Year of establishment :** 1978 as PG Centre of University of Madras
3. **Department comes under** School of Chemical Sciences, Faculty of Sciences
4. **Names of programmes offered (PG, M.Phil., Ph.D., Diploma etc.):** M.Sc., M.Phil. and Ph.D. in Chemistry.
5. **Details of programmes discontinued, if any, with reasons :** M.Sc. Organic Chemistry(2008-2011)

For the larger development of the organic field and to inculcate the industrial needs of the chemistry, we offered a course in organic chemistry in 2008. Unfortunately the interest of the students and their active participation was lacking that we had to eliminate the need for the course in 2011.

6. **Examination System :** Semester System, Choice based credit system
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors /Asst. Professors / others) till date .**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1	1	4
Associate Professors	2	1988-1, 2007-1	-
Assistant Professors	3	1988-1, 1989-1, 2005-1	4

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M.Phil. guided
Dr. K.J. Rajendra Prasad, Professor and Head	M.Sc., Ph.D.	Synthetic Organic Chemistry, Natural products chemistry and heterocyclic chemistry	Teaching-30 Research-35	Ph.D-15 M.Phil-43
Dr .S. Govindarajan, Professor	M.Sc., Ph.D.	Coordination Chemistry and Solidstate Chemistry	Teaching-30 Research-30	Ph.D-11 M.Phil-38
Dr. P.S. Mohan, Professor	M.Sc., M.Phil., Ph.D.	Synthetic Organic Chemistry, Organic photochemistry and Natural products Chemistry	Teaching-26 Research-26	Ph.D-9 M.Phil-25
Dr. N. Dharmaraj, Professor	M.Sc., M.Phil., Ph.D.	Inorganic and nanomaterials	Teaching-19 Research-18	Ph.D-5 M.Phil-9
Dr. M. Ilanchelian, Assistant Professor	M.Sc., Ph.D.	Electrochemistry and DNA interactions	Teaching-15 Research-15	M.Phil-9
Dr.R.Prabhakaran, Assistant Professor	M.Sc., Ph.D.	Coordination Chemistry, Organometallic chemistry and bioinorganic chemistry	Teaching-8 Research-12	M.Phil-2
Dr.M.V.Kaveri, Assistant Professor	M.Sc, M.Phil., Ph.D.	Coordination Chemistry and Organometallic chemistry	Research-5	-
Dr.B.Murugesapandian , Assistant Professor	M.Sc., Ph.D.	Coordination Chemistry, Organo-metallic chemistry, Main group chemistry	Research-12	-



**9. List of senior Visiting Fellows, temporary faculty, emeritus professors**

Name	Qualification	Designation	Specialization
Dr.K.Natarajan	M.Sc., Ph.D.	Emeritus Scientist(CSIR)	Coordination Chemistry, Organometallic chemistry and bioinorganic chemistry

**10. Percentage of classes taken by temporary faculty – programme-wise information : Nil****11. Programme-wise Student Teacher Ratio**

Programme	Ratio
M.Sc.	8:1
M.Phil.	1:1
Ph.D.	7:1

**12. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

	Sanctioned (Year)	Filled (Year)	Actual (including CAS & CDS)
Technical officer	2	1	-
Assistant Section Officer	1	-	-
Attender	1	-	-

**13. Research thrust areas as recognized by major funding agencies**

- Synthetic Organic Chemistry, Inorganic Chemistry (solid state and Coordination chemistry) and Physical Chemistry

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

- National -5
- International funding agencies- Nil
- Total grants received - Rs.182 lakhs excluding UGC-SAP  
Total Projects : 17 Total fund generated :Rs.241 lakhs

**On Going Projects:**

S. No	Funding Agency	Period	Title of the scheme	Amount (Rs.in Lakhs)	Principal investigator
1	DST	2011-2014	Binuclear tripodal ligand complexes: An efficient candidates for molecular wire	Rs. 19.25	Dr R.Prabhakaran
2	UGC	2012-2015	Nanomaterial functionalized with cyclodextrin inclusion complexes of organic dye molecules based detection system for heavy metals sensing	Rs. 13.95	Dr.M.Ilanchelian
3	CSIR	2012-2015	A detail study on biomimetic and dioxygen activation properties of new Cu(II)/Cu(I) and Fe(II) complexes containing multidentate ligands	Rs. 10.92	Dr.R.Prabhakaran
4	UGC-BSR	2013-2015	Prof. Dr.K.J.Rajendra Prasad has received an onetime grant of Rs. 7 lakhs for his life time academic achievement ( UGC- BSR)from UGC, New Delhi	Rs. 7 .00	Dr.K.J.Rajendra Prasad
5	CSIR	2013-2015	Cobalt, Nickel and copper complexes containing semicarbazones and thiosemicarbazones of coumarin: An investigation on the influence of structural factors towards biomolecular interactions	Rs.24.00	Dr.N.Dharmaraj

6	DRDO	2014-2017	Synthesis of New Fluorescent Probes for Biological Applications.	₹ 26.11	Dr. P.S. Mohan
7	UGC-FRP	2015-2016	Startup grant	₹ 6.00	Dr.B.Murugesapandian

### 15. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration - Nil

### 16. Departmental Projects funded by DST-FIST and UGC-SAP/CAS

- \* DST-FIST Level I-30 lakhs,
- \* UGC-SAP/DRS – Phase I -39.2 lakhs,
- \* UGC-SAP/DRS – Phase II-72.1 lakhs (sanctioned)
- \* Completed presentation for FIST Phase II ( Rs.3 Crores to be sanctioned)
- \* Department of Science and Technology, PURSE Programme sanctioned 2 project assistants to our department during the period of 2011-2014.

### 17. Research facility /center with State recognition – Nil

### 18. Special research laboratories sponsored by / various functioning agencies : Nil

### 19. Publications: (last five years)

	No. of papers	Mono graphs	Chapters in Books	Edited books	Books with ISBN	Citation index	SNIP	SJR	Impact factor	H- index
Dr. K.J. Rajendra Prasad	59	-	-	-	2	158	-	-	0.9 to 3.49 Average 2.3	10
Dr. S.P. Rajendran	13	-	-	-	-	138	-	-	0.169- 2.397	5
Dr. S. Govindarajan	13	-	1*	-	-	-	-	-	-	-
Dr. P.S. Mohan	23	-	-	-	-	381	-	-	0.8-3.2 Average 2.6	10
Dr. N. Dharmaraj	28	-	-	-	-	-	-	-	3.8	16
Dr. M. Ilanchelian	8	-	-	-	-	-	-	-	2.03	-
Dr.R.Prabhakaran	26	-	-	-	-	675	-	-	1.4- 12.25 Average 6.8	15
Dr.M.V.Kaveri	3								3.1	
Dr.B.Murugesapandian	11	-	-	-	-	686	-	-	1.25 -4.794	12

#### • Books with ISBN with details of publishers

- Advanced organic chemistry-Reaction and Mechanism-Bernard Miller & **K. J. Rajendra Prasad** (ISBN-81-7758-296-8) Pearson publication (2006)
- Essentials of Organic Chemistry- P. Y. Bruice & **K. J. Rajendra Prasad** (ISBN-81-317-0373-8) Pearson publication (2008)

\*1. **Dr. S. Govindarajan has contributed in the book titled “Inorganic Hydrazine Derivatives Synthesis, properties and applications” - K.C. Patil, Tanu Mimani Rattan- Wiley ( ISBN- 9781118715130)**

\* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Number of SCI Journals – 87.

\*

**20. Details of patents and income generated:** Nil

**21. Areas of consultancy and income generated:** Nil

**22. Faculty selected nationally/internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)**

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Period
1	Dr. N. Dharmaraj	INSA Exchange Scientist – South Korea	2010

**23. Faculty serving in**

a) National committees b) International committees c) Editorial Boards d) any other

Name of the faculty	National committees (Selection)	International committees	Reviewer
Dr. K.J. Rajendra Prasad	1. Kerala University 2. SriKrishnadevaraya University 3. Madurai Kamaraj University 4. Thiruvalluvar University 5. Periyar University 6. Bharathidasan University	-	1.Indian Journal of chemistry 2.Tetrahedron letters 3.European Journal of Medicinal chemistry, 4. Tetrahedron 5.Bioinorganic medicinal chemistry, 6. Arkivoc

**24. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

Name & Designation of the Faculty Member	Nature of FDP				Date & Duration	Name & Place of the Institution where FDP undergone
	Orientation	Refresher (Title)	Training Programme (Name)	Any Other		
Dr.R.Prabhakaran	95 <sup>th</sup> Orientation	-	Workshop positive attitude and constructive thinking on 30.07.12- 01.08.12		20.11.2012 to 17.12.2012	UGC-ASC Bharathiar University, Coimbatore

**25. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects : 80%
- percentage of students doing projects in collaboration with other universities / industry / institute ; 20%

**26. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)**

- Faculty : Dr K.J.Rajendra Prasad has been awarded one time grant of Rs.7,00,000/- from UGC – BSR (2014-15) post doctoral fellows :
- Dr.P.Kalaivani- Research Associate(CSIR)- PDF (2013) Doctoral fellows
- Ms. Indhumathi and K.Prabha have been awarded with CSIR SRF (2012-13)
- Mr.Shanmugaraj has been awarded DST Inspire award (2011)
- Ms.V.Dhanalakshmi went to Italy to carry out advanced research(2013)
- Mrs. Parveen has been awarded as women scientist by the DST(2014)
- Mr. Chandra prakash and MS.C.Uvarani have been awarded Indo- Canadian common wealth fellowship- Prof. Athar Atta- University of Winnipeg (2012)
- Mr.Arasakumar went to Canada under student exchange programme (2014)
- Mr.A.Selvashrma was awarded with travel grant from DST to participate in the conference held in Newzeland (2015)
- Mrs.P.Divya has been awarded with Moulana Azad fellowship for the year 2014

## 27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants, -

- Two days National conference was organised on current trends of organic chemistry on 02.12.2010 and 03.12.2010. The delegates presented 100 papers and the total number of participants is 300
- Workshop on Spectroscopy sponsored by DST-PURSE on 07.03.2012 and total number of participants is 240
- Workshop "X-ray Crystallography and its Applications (WXRCA-2014) sponsored by UGC (XII Plan) on 5<sup>th</sup> and 6<sup>th</sup> of March 2014.

## 28. Code of ethics for research followed by the departments:

- Proper disposing of chemicals.
- Each faculty member excel on their own field
- Complement each other on their research work.

## 29. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage
Courses	Year	Male	Female	
M.Sc. Chemistry	2014-15	9	7	80
M.Sc. (DFS)	2014-15	6	9	76
M.Phil.	2014-15	1	11	enrolled
Ph.D.	2014-15	3	2	Ongoing

## 30. Diversity of students

Name of the Programme	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Chemistry	2014-15	37	50	13	
M.Sc. Chemistry (DFS)	2014-15	40	60	-	
M.Phil.	2014-15	69	23	8	
Ph.D.	2014-15	80	20	-	

## 31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Category	Civil services & Defence examinations	CSIR- NET	SET	GATE
P.G.	-	2	-	4
M.Phil.	-	-	2	-

## 32. Student progression

Student	Percentage against enrolled
PG to M.Phil.	33%
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	14%
Employed	
• Campus selection	-
• Other than campus recruitment	45%
Entrepreneurs	-

**33. Diversity of staff**

Percentage of faculty who are graduates	
From the same University	58%
From other Universities within the State	14%
From Universities from other States	14%
From Universities outside the Country	14%

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil****35. Present details of departmental infrastructural facilities with regard to**

- Library - Yes
- Internet facilities for staff and students- Yes
- Total number of class rooms -4 Nos
- Class rooms with ICT facility -1
- Students' laboratories - 3 Nos
- Research laboratories -7 Nos

**36. List of doctoral, post-doctoral students and Research Associates**

- from the University - Doctoral degree -24
- from other institutions/Universities - Doctoral degree -5

**37. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others -**

Nature of Scholarship	2010	2011	2012	2013	2014
B.C.(State)	17	18	8	22	17
B.C.M.(State)	-	-	1	2	3
M.B.C./D.N.C.(State)	7	4	7	9	8
SC/ST	5	9	6	9	12
First Generation Free Education	1	-	1	1	2
Total	30	31	23	43	42

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Since 1990 our department offers Post graduate course in general Chemistry. For the larger development of the organic field and to inculcate the industrial needs of the chemistry, we offered a course in organic chemistry in 2008. Unfortunately the interest of the students and their active participation was lacking that we had to eliminate the need for the course in 2011. Based on the student interest, it was decided to withdraw the programme on organic chemistry and the PG programme on General chemistry was reinstituted.

**39. Does the department obtain feedback from**

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes.**
  - The department regularly follows the feed back of the students as well as the faculty when it comes to syllabi. The feedback is presented in the Board of studies meeting and with their recommendation, the necessary changes were made.
  - To improve the teaching methodology and to be on par with the latest technology, the LCD and WIFI connections were given to the class rooms.
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**
  - The feed back from the students was collected and their suggestion were taken up for

the curriculum designing.

- Based on the feed back of the students on staff evaluation , analysis was made and if needed the HOD discussed the specific problem with the faculty individually.
  - Depending on the results of the examination , slow learners were identified and the course co-ordinator was directed to tend to their problems both personally as well as academically.
- c) **alumni and employers on the programmes offered and how does the department utilize the feedback?**
- The curriculum was discussed at the BOS meeting where in alumni and industrial members from this institution are also members. Based on the view of these members the papers are changed to more application oriented way.
  - It is also the prime importance to develop the soft skills mainly communication skills as suggested by Alumni.

**40. List the distinguished alumni of the department (maximum 10)**

Name	Designation
Dr.M.Subramanian	Boston University,USA
Dr.M.Manoj	Post doctoral fellow, South Korea
Dr.P.Viswanathamoorthy	Professor, Periyar University
T.Premkumar	Research professor, Gwangju Institute of Science and technology South Korea
C.Balasubramani	Scientist, Petro chemicals Company, Kuwait
K.Shanmughasundaram	Biocon, Bangalore
R.Nandhakumar	Associate Professor, Karunya University
Dr.R.Ramesh	Professor, Bharathidasan University
Dr.P.Thanigaimalai	AVH fellow, University of Bonn, Germany
Dr.C.Jayabalakrishnan	Principal, Sri Ramakrishna Mission Vidyalaya, Coimbatore

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Dr.Nattamai S.P.Bhuvanesh, Manager,X-ray diffraction Laboratory, Texas A& M University, USA – has delivered lecture on 18<sup>th</sup> July ,2012 10.00 A.M – 1.00 P.M Title Principles of Single crystal X-ray diffraction.
- Dr.K.Chandrasekara Pillai, Former Professor and Head, Department of Physical Chemistry, Madras University Guindy gave a lecture on electrochemistry at our department on 04.09.2013.
- Workshop on spectroscopy was Conducted on 07.03.2012
- Workshop on “X-ray Crystallography and its Applications (WXRCA-2014) was Conducted by our department on 5<sup>th</sup> and 6<sup>th</sup> of March 2014.

**42. List the teaching methods adopted by the faculty for different programmes.**

- For PG students, the concepts were explained with the help of the power point presentation and the internet was put into effective use for the students to appreciate the subject of study.
- For M.Phil scholars the course was mainly based on self study and their participation in conducting seminar was highly appreciated by the faculty.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The research carried out by the students is being constantly monitored and innovative ideas were funded and their publications were welcomed.

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

- The students are encouraged not only to develop their academic skills but also improve and participation in various fields like dance, drama and music.
- Their active participation in sports also highly encouraged by the department.

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

- The students are encouraged not only to develop their academic skills but also improve and participation in various fields like dance, drama and music.
- Their active participation in sports also highly appreciated by the department.
- Conducted series of lectures by incorporating UGC- SLET syllabus by using subject experts
- Encouraged to participate in the summer research projects.
- Engaged in taking part in co-curricular activities like NSS.

**46. State whether the programme/department is accredited / graded by other agencies? If yes, give details.: -NA-**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The students are encouraged to do summer projects in reputed laboratories so as to acquire research skills wherein he/she learns to apply his/her theoretical knowledge.
- The research scholars are encouraged to submit research papers for presentation at International Conferences at foreign countries to expose them to global research.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths**

- Good infrastructure facility
- The projects were funded with well known agencies like UGC, DST, CSIR, and DRDO etc.,
- Well qualified staff with sound technical knowledge

**Weakness**

- Lack of teaching faculty in adequate numbers
- Lack of technical staff
- Lack of continuous power supply

**Opportunities**

- The individual research labs allotted to the faculty members are open for the convenience to all PG students to work which gives them an opportunity to carry out the research to the next level without inhibition.
- The research scholars are given opportunity to collaborate the scientists/ faculty members both in India and abroad to improve their research skills
- The research scholars are encouraged to avail grants for foreign visits
- Research scholars are given an opportunity to avail several research fellowships such as JRF, SRF, RA, etc.

**Challenges**

- Requisite - the students have to face the competitive examination like CSIR NET and SET etc.,

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- An International Conference is being planned to be conducted in 2016 which will pave way for international collaborations.
- The department has taken steps to start new courses(Organic, inorganic and physical) under school of chemical science.
- The department has successfully completed the first phase of DST-FIST and completed the interaction meeting for DST-FIST Level II.
- Novel research projects have been proposed for the financial assistance to various Funding agencies like DST, DRDO and UGC.
- Infrastructure facilities will be developed by purchasing high resolution NMR, X-ray diffractometer, HPLC, spectrofluorimeter and mass spectrometer *etc.*



### **Department of Commerce**

1. **Name of the Department :** Commerce
2. **Year of establishment :** 1990
3. **Is the Department part of a School / Faculty of the University?**  
School of Commerce

**4. Name of programme offered**

M.Com (Finance and Computer Applications )
M.Com (Finance & Accounting )
M.Phil (Full Time & Part Time) - Commerce
Ph.D (Full Time & Part Time) - Commerce

**5. Details of programmes discontinued, if any, with reasons**

The PG Program M.Sc., (Finance and Computer Applications) was renamed as M.Com (Finance and Computer Applications) and nomenclature only has been changed, since the previous nomenclature was not recognized by TANSCH. Moreover, the students with M.Sc. Degree were not permitted to apply for SET / NET Examinations.

**6. Examination System:** Semester - Choice Based Credit System

**7. Participation of the department in the courses offered by other Departments**

Supportive Courses offered by other departments are Physical Education, Computer Science, Career Guidance and Communication Skill, Psychology, Computer Applications, Economics, Econometrics, Social Work, Women Studies, Tamil and Business Administration. Based on their interest, commerce students are being taught by the faculty members of the departments mentioned above.

**8. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors /Asst. Professors / others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	Actual
Associate Professors	01	01	CAS
Asst. Professors	04	04	Actual
Others (XII Plan )	-	-	-
Others	02	02	XI Plan & Guest Faculty

**9. Faculty profile with Name, Qualification, Designation, Area of Specialization, Experience and Research under Guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.G.Ganesan, Professor & Head	M.Com., M.B.A., MIT., M.Phil. Ph.D,	Accounting & Finance	33/22 Years	Ph.D. : 12 M.Phil.:64
Dr.M.Sumathy, Associate Professor	M.Com., M.Phil., M.B.A., PGDCA. M.A.(WS), Ph.D.	Banking Finance	23/18 Years	Ph.D. : 13 M.Phil.:40
Dr.M.Dhanabhakyaam, Assistant Professor	DCP., M.Com., M.Phil.,Ph.D.,MBA., M.C.A., Ph.D.,	HRM	21/14 Years	Ph.D.: 08 M.Phil.:21

Dr. P. Chellasamy, Assistant Professor	M.Com., M.Phil., PGDCA., Ph.D.,	Finance & Accounting	14/16 Years	Ph.D. : 13 M.Phil.:44
Dr.(Mrs.)Padmasani, Assistant Professor	M.Com., M.Phil., B.G.L.,Ph.D.	Marketing & International Business	24/12 Years	Ph.D. : 08 M.Phil.:09
Dr. M. Jegadeeshwaran, Assistant Professor	M.Com., M.Phil., Ph.D.,	Finance, Accounting & Banking	14/8 Years	Ph.D.:03 M.Phil.:11
Dr.M.Anbukarasi, Assistant Professor (XI Plan)	M.Com., M.Phil., Ph.D.	Finance	6/2 Years	M/Phil.:01
Ms.T.Adithya, Guest Faculty	M.Com (F&A) M.B.A., NET	Finance	2 Years	-

#### 10. List of senior Visiting Fellows, adjunct Faculty, Emeritus Professors

Md. Abdul Hannan Mia, Visiting Professor Department of MIS, University of Dhaka, Prof. Badar Iqbal, adjunct faculty Monarch University, Switzerland and Dr. Sreepadha Hegde, Madawalabu University, Ethiopia interacted with the Scholars / students during their visit to different Programmes organized by the department.

#### 11. Percentage of classes taken by temporary faculty – programme-wise information

Twenty percentages of classes have been handled by Temporary Faculty

#### 12. Programme-wise Student Teacher Ratio

M.Com (Finance & Accounting)	6:1
M.Com (Finance & Computer Applications)	6:1
M.Phil. - Commerce	4:1
PhD - Commerce	8:1

#### 13. Number of Academic Support Staff (Technical) and Administrative Staff: sanctioned, filled and actual

Designation	No. Sanctioned	No. Filled
Assistant Technical Officer	01	01
Office Assistant	01	01

#### 14. Research thrust areas as recognized by major funding agencies

- Accounting
- Consumer Studies
- Human Resource Management
- Marketing
- Finance

#### 15. Number of faculty with ongoing projects from

- a) National - 07
- b) International funding agencies - Nil
- c) Total grants received. - 31.90 Lakh

Five research Projects funded by UGC, New Delhi, IIPA, New Delhi, MEA Trust, Chennai were completed for during the assessment period and Two Major ongoing Research Projects funded by ICSSR, New Delhi, UGC, New Delhi for during the assessment period

Give the names of the funding agencies, project title and grants received project-wise.

S.No	Name of the Researcher	Funding Agencies (National)	Project Title	Grants Received
1.	Dr.G.Ganesan	UGC New Delhi (2009 - 2012)	Effective Implementation of Activity Based Cost Management (ABCM) Practices by Manufacturing Companies in South India (MRP)	Rs.5,84,198/-
2.	Dr.M.Sumathy	IIPA, New Delhi (2012 – 2013)	Comparative Study of the working of District Consumer Disputes Redressal Forum (DCDRF) in Tamilnadu and Karnataka (MRP)	Rs.4,00,000/-
3.	Dr.M.Sumathy	MEA Trust, Chennai (2012 – 2013)	Global Financial Crisis on Employment and Growth of Textile Industry in India with reference to Textile and Garments Units in Coimbatore and Tirupur District in Tamilnadu. (MRP)	Rs.1,02,785/-
4.	Dr.M.Dhanabhakym	UGC New Delhi (2008 – 2011)	Effectiveness of E-CRM Practices adopted by Public Sector Banks in Tamilnadu(MRP)	Rs.6,19,800/-
5.	Dr.P.Chellasamy	UGC New Delhi (2008 - 2010)	Equity Investment Strategy and Portfolio Selection in Indian Capital Market with special reference to Tamil Nadu. (MRP)	Rs. 75,000/-
Completed Total				17,81,783/-
6.	Dr.M.Sumathy	ICSSR, New Delhi (2012 - 2014)	An Evaluation Study on the Performance of the Mahatma Gandhi National Rural Employment Guarantee Act Scheme in Tamilnadu with a Special focus on Dindigul, Karur, Tiruchirapalli and Ramanathapuram District (MRP)	Rs.7,12,725/-
7.	Dr.M.Jegadeeshwaran	UGC New Delhi (2014 - 2017)	Role of India Post in Financial Inclusion in Tamilnadu (MRP)	Rs. 6,95,600/-
Ongoing Total				Rs. 14,08,325/-
Total Grants received				Rs.31,90,108/-

**16. Inter-institutional collaborative projects and associated grants received: Nil**

**17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

UGC has Shortlisted the proposal submitted by the Commerce Department for UGC - SAP and the presentation is due.

**18. Research facility / centre with**

✓ **State Recognition:** The Department has submitted a proposal for “Centre for Financial Studies” to get Tamilnadu Government Approval (RUSA).

**19. Special research laboratories sponsored by / created by industry or corporate bodies: Nil**

**20. Publications: kindly mention books with ISBN with details**

S.No	Published in / Faculty	Dr.G.G	Dr.M.S	Dr.M.D	Dr.P.C	Dr.GP	Dr.MJ	Dr.MA	Ms.TA
1.	Number of Papers Published in Peer reviewed Journals (National / International)	16	18	20	15	17	10	5	-
2.	Monographs	01	-	-	-	-	-	-	-

3.	Chapters in Books	10	06	12	26	16	9	4	
4.	*Edited Books	07	06	1	3	1	1	-	-
5.	*Books with ISBN with details of publishers	01	1	4	1	1	-	-	-
6.	Number listed in International Database	01	-	1	-	-	-	-	-
7.	*Citation Index – Range / Average	02	2	3	-	-	3	-	-
8.	*SNIP *SJR	-	-	-	-	-	-	-	-
9.	*Impact Factor – range / average	0.237 - 5.4723	0.376 - 5.4723	0.314 - 1.3423	0.998 - 3.8535	0.33 - 3.567	0.348 - 3.624	0.376 - 4.22	-
10.	H-index	-	-	-	-	-	-	-	-

**BOOKS WITH ISBN WITH DETAILS**

S. No.	Title of the Book	Author/ Co-Author(s)	Name of the Publisher / Month, Year	ISBN / ISSN
1.	Higher Financial Accounting (Tamil Version)	Dr.G.Ganesan -	Tamilnadu State Council for Higher Education, Chennai, 2012	TANSCH
2.	Globalization and Consumerism –issues and challenges	Dr.G.Ganesan Dr.M.Sumathy	Regal Publications, New Delhi 2012	ISBN 978-81-8484-143-5
3.	Consumer awareness, welfare and protection Problems and Prospects	Dr.G.Ganesan Dr.M.Sumathy	Regal Publications, New Delhi 2012	ISBN 978-81-8484-133-6
4.	Emerging Research Paradigms in Social Sciences	Dr.G.Ganesan Dr.M.Sumathy	Bloomsbury Publishing India PVT LTD London New Delhi Newyork Sydney 2013	ISBN 978-93-82951-33-9
5.	Research Dimensions in Commerce and Management	Dr.G.Ganesan Dr.M.Sumathy Dr.P.Chellamy	Bloomsbury Publishing India PVT LTD London New Delhi Newyork Sydney 2014	ISBN 978-93-84052-36-2
6.	Research Dimensions in Commerce and Management	Dr.G.Ganesan Dr.M.Sumathy Dr.P.Chellamy	Sakthi Press Coimbatore 2014	ISBN 788-19-23306-93-5
7.	Economic Impact of FDI in India	Dr.G.Ganesan Dr.P.Ganesan	Paramount Publishers, Hyderabad.	ISBN 978-93-82163-19-0
8.	Banking Industry in India	Dr.M.Sumathy -	Regal Publications, New Delhi 2011	ISBN 978-81-8484-098-8
9.	Emerging Research Paradigms in Social Sciences	Dr.M.Dhanabhakym Dr.M.Jegadeeshwaran	Coimbatore	ISBN 978-93-82338-48-2
10.	Cost Accounting	Dr.M.Dhanabhakym Dr. P.Kamalanath	Bonfring Publications, Coimbatore	ISBN 978-93-83459-20-9
11.	Service Quality of Public Insurers	Dr.M.Dhanabhakym Dr. M.Chithirai selvan	Co-Press, Coimbatore	ISBN 978 -93-82338-45-1
12.	Business Environment	Dr.M.Dhanabhakym M. Kavitha	Vijay Nichole Imprints Private Lit. Chennai	ISBN 978-81-8209-255-6

13.	Momentum and Contrarian Strategies in Indian Stock Market	Dr.M.Dhanabhakym V.M. Sangeetha	Bonfiring, Coimbatore	ISBN 978-93-84743-23-9
14.	Modern Banking Management	Dr.P.Chellasamy	The Himalaya Publishing House, Mumbai, 2010	ISBN 978-81-8488-814-0
15.	Emerging Trends in Finance	Dr.P.Chellasamy -	Archers and Elevators Publishing House, Bangalore	ISBN 978- 93-83241-24-8
16.	Emerging Research Paradigms in Social Sciences	Dr.G.Ganesan Dr.G.Padmasani Dr.P.Chellasamy	Bloomsbury Publishers, New Delhi	ISBN 978-93-82951-32-2
17.	Performance Persistence and Determinants of Indian Fund of Mutual Fund	Dr.G.Padmasani Dr. S.Muruganandan	LAP LAMBERT Academic Publishing, Germany	ISBN 978-3-8484-8608-3

## 21. Details of patents and income generated: Nil

## 22. Areas of consultancy and income generated

The Ministry of Consumer Affairs, New Delhi has sanctioned **Rs.4,00,000/-** for Consultancy Project entitled, “A Comparative Study on working of District Consumers Disputes and Redressal Forum (DCDRF) in Tamilnadu & Karnataka” for creating Awareness and Protection to the consumers. Followed by this a report was submitted to Indian Institute of Public Administration, New Delhi.

## 23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Professor & Head was invited as a Resource Person / Presenter by the Global Research Organization, Malaysia during 2010, IFCM, Colombo University, Srilanka during 2010 and Trisakti University, Pukhat, Thailand during 2012

Associate Professor was invited as a Paper Presenter by the International Islamic University, Malaysia during 2010, University of Kelanya, Srilanka during 2011 and University of Sharjah, UAE during 2012.

Asst. Professor was invited as a presenter by the Taylor’s University, Kualalumpur, Malaysia during 2013

## 24. Faculty Serving in

S.No.	Name of the Faculty	National	Editorial Board	Any other - Life Member in Professional Bodies
1.	Dr. G.Ganesan	Selection Committee Member of MRP for UGC & ICSSR, New Delhi	Smart Journal of Business Management Studies & Commerce Spectrum	Indian Accounting Association & Indian Commerce Association
2.	Dr.M.Sumathy	-	International Journal of Research & Business Innovation, Research Explorer & SELP Journal of Social Sciences	Indian Accounting Association, Indian Commerce Association & Indian Institute of Public Administration (IIPA)
3.	Dr. M.Dhanabhakym	-	Standard International Journal & International Journal of Law	-

4.	Dr. P. Chellasamy	-	International Journal of Advances in Management & Vidhyaniketan Journal of Management Research	Indian Accounting Association & Indian Tourism Congress
5.	Dr. (Mrs.) Padmasani	-	-	Indian Commerce Association
6.	Dr. M.Jegadeeshwaran	-	-	Indian Accounting Association & Indian Tourism Congress

**25. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

S.No	Name of the Faculty	Refresher	Orientation	Workshop	Training Programme
1.	Dr.G.Ganesan	-	-	4	-
2.	Dr.M.Sumathy	-	1	4	3
3.	Dr.M.Dhanabhakya	1	-	3	-
4.	Dr. P. Chellasamy	1	-	6	-
5.	Dr.(Mrs.) Padmasani	-	1	3	-
6.	Dr. M. Jegadeeshwaran	1	1	5	1
7.	Dr.M.Anbukarasi	-	1	2	-

**26. Student Projects**

**Percentage of students who have done in-house projects including inter-departmental projects**

100%. Every year all the first year students go for Internship training for a period of 45 days and the same students do project work during the entire period of fourth semester.

**Percentage of students doing projects in collaboration with other universities / industry / institute**

100% Industry Institute Project is being carried out in the Department for M.Com (F&A) and M.Com (FCA) Students.

**27. Awards / recognitions received at the national and international level by**

**Dr. P. CHELLASAMY** has been awarded Best Zonal Co-ordinator Award from IRCS, Tamilnadu Branch. **Dr. A.P.J. Abdul Kalam Award** from International Institute for Social & Economic Reforms, Bangalore.

**28. Seminars / Conferences / Workshops organized and the source of funding (National / international) with details of outstanding participants, if any.**

- Two Day Seminar on **Commerce in Ancient Tamils** (funded by Central Institute of Classical Tamil, Rs.1,00,000/-) conducted during 14<sup>th</sup> and 15<sup>th</sup> December, 2010. 115 were benefited and Dr. Thangarasu, Former Vice-Chancellor, Periyar University, Salem and Dr. Rajaram, Former Professor in Tamil, Nagercoil were the outstanding Experts.
- Workshop on **Quality Enhancement in Social Sciences Research** (funded by UGC Rs.1,00,000/-) conducted during 21.11.2011 to 27.11.2011. 50 were benefited and Prof.Thenmozhi, IIT, Chennai was the outstanding Expert.
- **A to Z Research** Workshop (funded by TANSCH, Chennai Rs.20,000/-) conducted during 16.03.2011 to 20.03.2011. 100 were benefited and Dr.D.Sansanwal, Professor, IIM, Indore was the outstanding Expert.
- **Comprehensive Serial Research** Workshop (funded by R&D, BU and Dept Fund Rs. 70,000/-) conducted during 25 & 26.08.2012, 08 & 09.09.2012, 29 & 30.09.2012. 55 were benefited and Dr.R.M.Chidambaram, Former Professor, Alagappa University, Karaikudi, Prof.S.NAKKIRAN,

Ambo University, Ethiopia, Dr.M.suresh, Former Professor, Department of Statistics, Tamilnadu Agricultural University, Coimbatore and Dr.J.Ravichandran, Professor, Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore were the outstanding Experts.

- National Seminar on **Globalization and Consumers - - Issues & Challenges** (funded by National Indian Institute of Public Administration, New Delhi Rs. 1,50,000/-) conducted during 22<sup>nd</sup> & 23<sup>rd</sup> July, 2011. 220 were benefited and Prof. Suresh Misra, Chair Professor & Dr. Pranab Banerjee, Director, IIPA, New Delhi were the outstanding Experts.
- **Finance & Accounts Training Programme through Computer** (funded by UGC Rs. 4,00,000/-) conducted during from 18<sup>th</sup> February to 31<sup>st</sup> March, 2012. 37 were benefited and Mr. B. Subramaniam & Mr. Rashaad Hussin, ICA, Coimbatore were the outstanding Experts.
- **Remedial Coaching for Competitive Examination** (funded by UGC Rs. 1,00,000/-) conducted during 18<sup>th</sup>, 19<sup>th</sup>, 20<sup>th</sup>, 25<sup>th</sup> & 26<sup>th</sup>, 2012. 32 were benefited and Mr. Rashaad Hussin, ICA, Coimbatore was the outstanding Expert.
- International Meet (Conference, Colloquium, Convention) on **Emerging Research Paradigms in Social Sciences** (funded by Department Fund and R&D Centre Rs.50,000/-) conducted during 22<sup>nd</sup> – 24<sup>th</sup> August, 2013. 200 were benefited Prof. Badar Iqbal, adjunct faculty Monarch University, Switzerland was the outstanding Expert.
- **Data Analysis in Business Research** workshop (funded by UGC Rs.1,00,000/-) conducted during 19<sup>th</sup> & 20<sup>th</sup> February, 2014. 75 were benefited Prof.Thenmozhi, IIT, Chennai was the outstanding Expert.
- International Symposium on **Research Innovation for Quality Improvement in Higher Education** (funded by Department Fund and R&D Centre Rs.50,000/-) conducted during 10<sup>th</sup> & 11<sup>th</sup> October, 2014. 200 were benefited Md. Abdul Hannan Mia, Professor, University of Dhaka was the outstanding Expert.
- **SPSS Applications in Business Research** workshop (funded by Department Fund Rs.75,000/-) conducted during 6<sup>th</sup> & 7<sup>th</sup> March, 2015. 75 were benefited Mr.Kumar Gaurav, SPSS, Bangalore was the outstanding Expert.

## 29. Code of ethics for research followed by the departments

In research processes, ethical dimensions have been educated in the form of integrity, honesty and original research work during the course of research. Quality, Empathy, Responsiveness are being followed to enhance the quality of research by keeping the data confidential, not misusing the Data & submission / publication of the Thesis / Articles after checking the plagiarism.

## 30. Student Profile Programme-Wise:

Pass percentage details of Students completed during 2014 – 2015

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Com (FCA)	57	8	18	100	100
M.Com (FA)	43	6	19	84	100
M.Phil.	55	1	11	100	91
Ph.D.	23	4	4	-	-

### 31. Diversity of Students

Name of the Programme	% of students from the same University	% of students from other Universities within the State	% of students From Universities outside the State	% of students from other Countries
M.Com (FA)	79	17	4	-
M.Com (FCA)	88	8	4	-
M.Phil.	100	-	-	-
Ph.D.	87.5	-	12.5	-

### 32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S.No	Name of the Student	Course & Batch	Examination Passed
1	T.Adithya	M.Com (FA) (2010 - 2012)	NET
2	V.Muthulakshmi	M.Com (FCA) (2010 - 2012)	
3	C.Senthilkumar	M.Com (FCA) (2010 - 2012)	
4	M.Savithiri	M.Com (FCA) (2011 - 2013)	
5	S.Muruganadan	Ph.D (2010)	
6	Nixon Amirtharaj	Ph.D (2010)	
7	Preema Rose Nichlavose	Ph.D (2012)	
8	R.Shankar	M.Phil (2014)	
9	P.Vignesh	M.Com (FA) (2010-2012)	Working as Captain in Indian Army
10	N.Janani	M.Com (FA) (2011 - 2013)	SET
11	C.H. Shakeela	M.Com (FA) (2011 - 2013)	
12	M.Indhra Priya Dharshini	M.Com (FCA) (2011 - 2013)	
13	M.Savithiri	M.Com (FCA) (2011 - 2013)	

### 33. Student Progression

Student	Percentage Against Enrolled
PG to M.Phil.,	43%
PG to Ph.D.,	11%
Ph.D. to Post - Doctoral	Nil
Employed Campus Selection	-
Entrepreneurs	-

### 34. Diversity of Staff

Percentage of faculty who are graduates	
From the same University	12.5 %
From other Universities within the State	87.5 %
From Universities from other States	-
From Universities outside the Country	-

### 35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Dr. M. Dhanabhakym awarded Ph.D. in Computer Science in the year 2013.

### 36. Present details of departmental infrastructural facilities with regard to

- Library - 125 Books
- Internet facilities for Staff and Students - Yes
- Total number of Class Rooms - Two
- Class Rooms with ICT facility - Two
- Students' Laboratories - One (with 50 Computers)
- Research Laboratories - One (with 15 Computers)
-



**37. List of doctoral, post-doctoral students and Research Associates****a) From the host Institution / University (Doctoral) – No of Ph.D.'s Awarded during Assessment Period**

Totally 50 Research Scholars are doing Ph.D. Out of which, 18 (MANF -3) are from host institution and 32 (JRF – 5, MANF -1, ICSSR – 1, PF - 1) are from other institutions.

**38. Number of post graduate students getting financial assistance from the University.**

Five students have got Single Child Scholarship from UGC and 5 students have got assistance from the University under Free Education Scheme during the Assessment period

**39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

The syllabus for a new course namely M.Com (Finance & Accounting) was framed in the year 2012 after having consultation with professionals, industrialists and academicians from various Academic Institutions and Universities.

**40. Does the department obtain feedback from****a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes - The Department obtains feedback from the students and Research Scholars and accordingly appropriate modifications and corrections have been done in order to improve the core content of the subjects.

**b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

The students have been asked to give Feedback on Staff & Curriculum and utilized the same for improvement.

**c. Alumni and employers on the programmes offered and how does the department utilize the feedback?**

Periodically during board of studies, suggestions and opinions are being received from Alumni, Industrialist and Professionalist and these are being used for updating the Syllabi.

**41. List the distinguished alumni of the Department (maximum 10)**

S.No.	Name of the Alumni	Position at Present
1	R.Harivind	Officer in ESI Office, Coimbatore
2	A.Saroja	Asst. Prof. in P.K.R. Arts College, Gopichettipalayam
3	V. Balajee	Assistant Officer in SBI, Tirupur
4	T.Adithya	Guest Lecturer in Bharathiar University, Coimbatore
5	P.Vignesh	Captain in Indian Army, Kashmir
6	C.H. Shakeela	Asst. Professor in Sri Krishna College, Coimbatore
7	M. Indhra Priya Dharshini	Asst. Professor in Sri Krishna College, Coimbatore
8	V.Muthulakshmi	Asst. Professor in Park College, Tirupur
9	C. Sam Jabakaran	Financial Analyst in HCL, Chennai
10	P. Deepa	Financial Analyst in HCL, Chennai

**42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

The Department has organized no of students enrichment programmes such as Invited Talks, Special Lectures for gaining subject knowledge, Workshops and seminars for practical knowledge, Finance & Accounts Training Programme through Computer, Remedial Coaching for Competitive Examination (Economically Weaker & non-creamy layer), Skill Development Programme

**43. List the teaching methods adopted by the faculty for different programmes.**

The Teaching Methods adopted by the Faculty for different Programmes

1. Project Based Teaching by using Power Point.
2. Case Study Method by using Smart Lab.
3. Specialized Accounting Practices by using Tally
4. Advise the Students to get update information by using Digital Library
5. Web Learning Resources available with 24 Hours Internet Facility.

**44. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Our programme objectives are constantly monitored by placement of students in different organizations, like Banks, Software Companies and Educational Institutions etc., after obtaining necessary skills through the Department Teaching, Research and Extension Activities.

**45. Highlight the participation of students and faculty in extension activities.**

S.No	Name of the Industrial	Year	Nature	Outcome
1.	Zonal Level Three Days Orientation Training Programme for YRC Volunteers, Bharathiar University, Coimbatore	2013	Training Programme	First Aid Training, Disaster Management, Personality Development, Health Education to YRC Volunteers.

**46. Give details of “beyond syllabus scholarly activities” of the department.**

1. Conducting Week-end Classes for updating special knowledge like use of software packages.
2. Seminar Presentation in the department and also encourage students to go to other institutions for presentations.
3. Encouraging students to attend special research methodology programmes conducted by UGC Academic Staff College, Bharathiar University.

**47. State whether the programme / department is accredited/ graded by other agencies? If yes, give details: Nil****48. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Research Methodology Course conducted Every Year to update the subject knowledge, Conducting application oriented programmes and workshops, encouraging the scholars to apply for UGC JRF, UPSC and SRF.

**49. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Major Strengths of the Department are:-**

**Strengths:**

- Highly experienced faculty members
- Good Infrastructure Facilities
- ICT installed Class Rooms
- Well equipped Lab with 24 Hours Internet Facility
- Reprographic Facilities

**Weakness:**

- No sufficient Class Room
- No sufficient Toilets for Girls
- No Individual Room for faculty
- No Rest Room for both Scholars & Students.
- No Rest Room for Staff Members

**Opportunities:**

- Campus Placement programmes
- Personality Development programmes
- Students Sessions to develop Skills
- National & International Level Seminars /Conferences
- Hands on Training by Experts

**Challenges:**

- Exponential Growth of Colleges & Universities
- Industry–Institution Collaboration is complex
- No provisions online Financial Services
- Getting Funds from Agencies
- Getting International Recognition

**50. Future plans of the department.**

The Department has plans to apply for

- CPEPE / UPE
- RUSA, UGC & ICSSR
- Projects from various funding Agencies.
- MoU with Stock Exchanges & Institutions / Professional Bodies
- Capacity Building Programme
- Centre for Financial Studies.

### **Department of Computer Science**

1. **Name of the Department :** Department of Computer Science
2. **Year of establishment:** 1985
3. **Is the Department part of a School / Faculty of the university?** School
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**

PG	M.Phil.	Ph.D.
Computer Science	Computer Science	Computer Science

5. **Examination System:** Semester System under Choice Based Credit System
6. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor			
Associate Professors			
Assistant Professors	6	4	4
Others			

7. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.M.Sundaresan, Professor & Head i/c	M.C.A, M.Phil. Ph.D.	Image Processing, Image Mining Data compression	29 years	M.Phil. : 14
Dr. R. Porkodi, Assistant Professor	M.C.A, Ph.D.	Text Mining and Bioinformatics	15 years	Nil
Dr.D. Ramyachitra,	M.C.A, M.Phil. Ph.D.	Grid Computing, Data Mining and Bioinformatics	13 years	Ph.D.:1 (Thesis Submitted) M.Phil. : 13
Dr. S. Vijayarani, Assistant Professor	M.C.A. M.Phil. Ph.D.	Data Mining, Data Streams, Big Data, Cloud Computing	7 Years	M.Phil. : 15
Mr. D. Napoleon, Assistant Professor	M.C.A. M.Phil. M.B.A.	Data Mining, Remote Sensing, Image Processing	9 years	M.Phil. : 12

8. **List of senior Visiting Fellows, adjunct faculty, emeritus professors :** Nil
9. **Percentage of classes taken by temporary faculty – programme-wise information :** Nil

#### 10. Programme-wise Student Teacher Ratio

S.No.	Programme	Student Teacher Ratio
1	M.Sc. Computer Science	10 : 1
2	M.Phil. Computer Science	5 : 1
3	Ph.D. Computer Science	8 : 1

**11. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	Sanctioned	Filled	Actual
ATO		1	1
Administrative Staff		1	1

**12. Research thrust areas as recognized by major funding agencies**

**The major thrust areas are**

- Data Mining, Text Mining and Bio-informatics, Grid Computing, Image Mining

**13. Number of faculty with ongoing projects from**

- a) National : UGC – 4  
 b) International funding agencies : Nil  
 c) Total grants received. : Rs. 5, 56, 000

Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Faculty Name	Name of the funding Agency and Period	Project Title	Grant Received
1.	Dr. R. Porkodi	UGC, New Delhi, 2010-2012	A Methodology for automatic feature extraction, from Medline abstracts using hybrid approach	1,90,000/-
2.	Dr. S. Vijayarani	UGC, New Delhi, 2010-12	An Efficient Technique for Privacy Preserving Data Mining	1,62,000/-
3.	Mr. D. Napoleon	UGC, New Delhi, 2010-2012	Information technology based knowledge bank for differently abled students	1,10,000/-
4.	Dr. D. Ramyachitra	UGC, New Delhi 2009 -2011	An Efficient Scheduling Strategy for protein sequence analysis on the Grid	94,000/-

**14. Inter-institutional collaborative projects and associated grants received: Nil**

- a) National collaboration b) International collaboration

**15. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil****16. Research facility / centre with State, National & International recognition: Nil****17. Special research laboratories sponsored by / created by industry or corporate bodies: Nil****18. Publications:**

S.No.	Published in / Faculty	Dr. R.P	Dr. D.R	Dr. S.V	Mr. D.N
1.	Number of Papers Published in Peer reviewed Journals (National / International)	15	26	38	41
2.	Monographs				
3.	Chapters in Books		2		
4.	Edited Books	2			
5.	Books with ISBN with details of publishers		1	1	3
6.	Number listed in International Database		Scopus: 2 SCI: 1		
7.	Citation Index – Range / Average	1-15	1 -20	1-15	1-22
8.	SNIP SJR	-	*JCIT: ( SNIP :1.071, SJR :0.12,)		*EJSR (SJR =

			*FGCS : (SNIP :2.9333, SJR :1.243)		0.15)
9.	Impact Factor – range / average	0.84 – 1.82	0.8 – 2.365	0.8 – 2.365	0.3 – 2.94
10.	H-index	2	4	6	3

\*JCIT: Journal of Convergence Information Technology

\*FGCS: Future Generation Computer Systems

\*EJSR: European Journal of Scientific Research

**19. Details of patents and income generated: Nil**

**20. Areas of consultancy and income generated: Nil**

**21. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil**

**22. Faculty serving in**

**a) National committees & b) International Committees**

Faculty	Name of the Body / Academy	Position, if any
Dr. M. Sundaresan	Computer Society of India	Life and Senior member, Chairman of Coimbatore Chapter (2014-2015)
	Indian Science Congress Association	Life Member
	Indian Society for Technical Education	Life Member
	International Association of Computer Science and Information Technology (IACSIT)	Senior Member
	International Association of Engineers (IAENG)	Senior Member
Dr.R.Porkodi	International Association of Engineers (IAENG)	Member
	Computer Society of India	Life member
	International Association of Computer Science and Information Technology (IACSIT)	Member
Dr. D. Ramyachitra	Computer Society of India	Member
	International Association of Engineers(IAENG)	Life Member
Dr. S. Vijayarani	Computer Society of India	Life member
	International Association of Engineers (IAENG)	Member
	Universal Association of Computer and Electronics Engineers (UACEE)	Senior Member
Mr. D. Napoleon	International Association of Computer Science and Information Technology (IACSIT)	Life Member
	International Association of Engineers (IAENG)	Life Member

Editorial Boards: **Dr. M. Sundaresan**

- International Journal of Computational Intelligence and Informatics, CIET Journal

**23. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

FACULTY RECHARGING STRATEGISES	NUMBER OF FACULTY ATTENDED				
	2010-2011	2011- 2012	2012-2013	2013-2014	2014- 2015
Refresher / Orientation Courses	4	-	1	-	4
Workshops	2	5	1	3	3
Training Programmes	-	-	-	6	-
Seminars/Conferences	11	9	6	18	2

**24. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects : Nil
- percentage of students doing projects in collaboration with other universities / industry / institute: **100% of students doing projects in collaboration with institutes**

**25. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

**The Department has organized the following Seminars, Conferences and workshops along with Department of Information Technology**

- Organized the Refresher Course in Computer Science and Applications, UGC-ASC-Bharathiar University on 06.11.2014 to 26.11.2014 funded by UGC-ASC, Bharathiar University, 22 participants were participated.
- Organized the International Symposium on Research Innovation for Quality Improvement in Higher Education on 10.10.2014 and 11.10.2014 funded by R&D, Bharathiar University, 120 participants were participated.
- Organized the National Seminar on Wireless Communication and Mobile Computing on 27.02.2014 and 28.02.2014 funded by University, 132 participants were participated.
- Organized Two days National Seminar on Emerging Research Challenges in Computer Science on 28.1.2014 and 29.1.2014 2014 funded by University, 166 participants were participated.
- Organized National Seminar on Research Opportunities in Mobile Ad-hoc Network on 06.12.2013 funded by University, 165 participants was participated.
- Organized 4 days Placement Training Workshop on Employability Enhancement, Department of Computer Science, Bharathiar University on 19.03.2012 to 22.03.2012 funded by University, 40 participants was participated.
- Organized 2 days National Workshop on Grid and Cloud Computing on 15.03.2012 and 16.03.2012 funded by DST-PURSE, 75 participants were participated.
- Organized the Refresher Course in Computer Science and Applications, UGC-ASC-Bharathiar University on 20.11.2012 to 10.12.2012 funded by UGC-ASC, Bharathiar University, 21 participants were participated.
- Organized the National Conference on Innovations in computing Methodologies 2011 on 16.12.2011 funded by University, 147 participants were participated.

**26. Code of ethics for research followed by the departments**

Honesty, Objectivity, Integrity, Carefulness, Openness, Respect for Intellectual Property, Confidentiality, Responsible, Publication Responsibility, Respect your colleagues and treat them fairly and Social Responsibility

**27. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Computer Science	2014-2015 23Nos.	7	33	-	-
M.Phil. Computer Science	2014-2015 16Nos	3	13	-	-
Ph.D. Computer Science	2014-2015 4Nos	1	3	-	-

## 28. Diversity of students

Name of the Programme		% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Computer Science	2014-15	70	30	-	-
M.Phil. Computer Science	2014-15	63	37	-	-
Ph.D. Computer Science	2014-15	75	25	-	-

## 29. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

## 30. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	7%
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed Other than campus recruitment Entrepreneurs	93%
Entrepreneurs	-

## 31. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	75%
from universities from other States	Nil
from universities outside the country	Nil

## 32. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : 03

- Dr. R. Porkodi awarded with Ph.D. in the year Feb 2013
- Dr. D. Ramyachitra awarded with Ph.D. in the year February 2013.
- Dr. S. Vijayarani awarded with Ph.D. in the year January 2013.

## 33. Present details of departmental infrastructural facilities with regard to

- Library : Nil
- Internet facilities for staff and students: All staff and students
- Total number of class rooms : 2
- Class rooms with ICT facility : 2
- Students' laboratories : 1 (SE Lab with 40 Systems, 2 Servers, 1 Line printer, 4 UPS (5KVA))
- Research laboratories : 1 (15 Systems 1 Network printer)

## 34. List of doctoral, post-doctoral students and Research Associates

- From the host institution/university  
 Doctoral Students
  - Ferdic Mashak Ponnaiah G
  - Muthuchudar A
  - Prabhu K
  - Pankaj Moses Monickaraj A
  - Soonu Aravindhan A
  - Kanchana N
  - Janani R
  - Sharmila S



9. Manikandan P

10. Kalaivani R

Project Fellow (PURSE) - 1

1. S. Sri Devi

b) From other institutions/universities: Nil

**35. Number of post graduate students getting financial assistance from the university.**

	Free Education by University	Govt./UGC/Private/Others
M.Sc. Computer Science	Free Education - 4	First Generation Free Education - 3
		Loan Scholarship - 6
		Farmer Scholarship - 4
		Single Girl Scholarship - 4
		State Government Scholarship - 72

**36. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Nil****37. Does the department obtain feedback from**

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Curriculum modified based on the suggestions by the faculty
  - Facilities provided for improving teaching-learning-evaluation (eg. Smart Class Rooms). Grievances given in the feedback are solved
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - The Staff of the department continuously update their knowledge, accepting student's suggestions (positive and negative comments), try to overcome the negative comments. Based on the student's feedback, the existing curriculum and teaching-learning-evaluation may be modified.
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - The Board of Studies of Computer Science Department consists of faculty members in the department, other University representative, Industry Representative and Alumini Representative. The BOS in Computer Science department meet twice in a year in which the alumini representative offered their suggestions to improve the curriculum and to provide more employability to the students

**38. List the distinguished alumni of the department (maximum 10)**

Name of the Programme	Student Name	Designation
M.Sc. Computer Science	Ms. P. Semmalar	Project Engineer, WIPRO, Bangalore
	Ms. R. Revathi	Junior Software Engineer, Span Technology Services, International IT Park, Chennai.
	Ms. B. K. Nisha	Hindustan Unilever Pvt Limited, Bangalore.
	Mr. T. Vinothkumar	Network & Phone support Engineer Global Customer
	Ms. R. Gangothri	Assistant Professor, Lady Doak College, Madurai
M.Phil. Computer Science	Ms. M. Divya	Assistant Professor, KSR College of Arts and Science, Tiruchengode
	Ms. M. Sampoorana	Assistant Professor, KSR College of Arts and Science, Tiruchengode
	Mr. Pradeepkumar	Assistant Professor, Nehru College of Arts and Science, Coimbatore
	Ms. S. Deepa	Assistant Professor, Vellalar College of Arts and Science, Erode
	Mr. Praneesh	Assistant Professor, Sankara College of Arts and Science, Coimbatore.

**39. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

The Department has organized the following special lectures and seminars

1. Personality Development programme for M.Sc. Computer Science M.Sc. IT and M.Phil. Research scholars on 'Motivation for self and others' by Mr.S.Sasikumar, Officer, State Bank of India, Vadavalli on 17.9.2010.
2. Talk on "Experiences in Testing Remote sending Data Products – Generation Software Products" on 16.12.2011 by Dr. R. Nandakumar, Head, Software Process Engineering Cell, Signal And Image Processing Space Applications Centre, ISRO, Ahmedabad
3. Talk on "Innovation in Tablet PC Computing" on 16.12.2011 Padmanaban, CEO - Easy Design Systems Pvt. Ltd, CTO Castle Solution F2E – Dubai
4. Seminar on Communication skill, Personality Development, Mock Interview, Real-Time Lab sessions by Mr.Ganesan, Salem, Software Skill Trainer, Coimbatore 19.03.2012 To 22.03.2012
5. Seminar on "Open Sources" delivered by K.R.Sundaram, Director, Technology KGISL, Saravanampatti on 23.01.2013
6. Seminar on "Android Application Development Program" delivered by Mr. Prince Chandran, Technical Director, Coimbatore on 30.01.2013
7. Seminar on "Innovation Enablers and Disruptors" (A Preview of 12 Technologies to watch) delivered by Mr.M.Murali, Distinguished Technologist, Computer Science Corporation on 26.07.2013.

**40. List the teaching methods adopted by the faculty for different programmes.**

- Information and Communication Technology practices are used as much as possible in teaching which includes visual, audio, video, and presentation slides. 80% of teaching is done using modern teaching methods. Computer assisted teaching using Net Support School. All the programming papers and advanced papers are taught using the smart class room facility.
- Motivating students to actively participate in group discussion in order to improve their communication skills.
- Group assignment on latest industrial problems. Students are given mini-project, in the concerned subjects to apply the knowledge in practice to solve problems. Conducting frequent tests to improve their knowledge in the subjects. Assigning seminars in the various subjects to improve the subject skills and communication skills

**41. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The following are the parameters used to ensuring the programme objectives and learning outcomes Syllabus completion, conducting internal tests, Assignments, case study problems, seminars, and group discussions, technical and motivational talks given by the students

**42. Highlight the participation of students and faculty in extension activities.**

- By co-ordinating and conducting courses of the SDE, delivering radio talks and participating in the activities of professional bodies.
- Most of the students are NCC/NSS volunteers. They took part in various camps like blood donation, campus cleaning, trekking and other social related activities
- Adopting schools and helping the school students to strengthen the knowledge of computer

**43. Give details of “beyond syllabus scholarly activities” of the department.**

- invited talks by industrialists and academicians
- Organized extension activity programme for Govt. school students to improve their programming knowledge and organized extension activity programme for Govt. school students to brought awareness programme in computers

**44. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: Nil**

**45. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department organizes many conferences, workshops, training programmes, lectures, etc., to generate new knowledge, basic or applied
- Science and technological inventions, discoveries, techniques, ideas and latest research problems are discussed in the class rooms. This kind of knowledge sharing helps to motivate the students to generate new knowledge.

**46. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

- **Strength**  
Qualified faculty members, Skill development based curriculum, Latest trends in computer science incorporated in the syllabus, Parental Care to students and Funded Research Projects
- **Weakness**  
Lack of infrastructure facility, Common Lab facility for PG students and Common Lab facility for Research Scholars
- **Opportunities**  
Compete with other universities, Obtain Major Research Projects, Platform for Research Deliberations, Wi-Fi Campus and Inter Departmental Programmes
- **Challenges**  
To meet the demands of the industry and the market, To equip students with good communication skills, To motivate students to join higher education, To improve the knowledge level of fresher in the first year of PG programme and to motivate and turn the research students to get in to latest findings going on in and around world

**47. Future plans of the department.**

To strengthen the thrust areas of the department by receiving funding form agencies such as UGC, DST, DBT and other funding agencies, Idea to find MOUs with foreign reputed institutions, To increase the productivity of students in organizing student level symposia, departmental event, etc., To do collaborative research with research institutes and Interested in collaborating internationally renowned.

### **Department of Computer Applications**

1. **Name of the Department:** Department of Computer Applications.
2. **Year of establishment:** 2008
3. **Is the Department part of a School/Faculty of the university?**  
Yes, School: Computer Science and Engineering, Faculty: Science
4. **Names of programmes offered**  
M.C.A. – Master of Computer Applications  
M.Phil. Computer Science  
Ph.D. Computer Science  
PGDCA – Post Graduate Diploma in Computer Applications

5. **Details of programmes discontinued, if any, with reasons :** Nil

6. **Examination System:** Semester system under Choice Based Credit System

7. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	1	-	-
Asst. Professors	6	6	6

8. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. / M. Phil. guided
			Teaching	Research	
Dr. T. Devi, Associate Professor	MCA., M.Phil. Ph.D	DBMS, Concurrent Engineering, Product Introduction	24	24	PhD:16 Synopsis:3 MPhil: 44
Dr. R. Rajesh Assistant Professor	M.Sc., Ph.D.	Soft Computing, Image Processing	9	9	
Dr.V. Bhuvaneswari Assistant Professor	MCA., M.Phil. Ph.D.	Data Mining, Bioinformatics	10	10	MPhil: 22
Dr. T. Amudha, Assistant Professor	MCA, M.Phil Ph.D.,	Nature-inspired Computing, Object Technology	16	10	MPhil: 23
Dr.J.SatheeshKumar, Assistant Professor	MCA., Ph.D	Image Processing	14	10	Synopsis: 4 MPhil: 8
Dr. R. Rajeswari, Assistant Professor	MCA., Ph.D.	Image Processing, Soft Computing	9	8	MPhil: 4
Mr. S. Palanisamy, Assistant Professor	MCA., M.Phil.	Pattern Recognition Soft Computing	5	2	-

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors:** Nil

10. **Percentage of classes taken by temporary faculty – programme-wise information:**  
MCA-30%

11. **Programme wise Student Teacher Ratio :**  
MCA-22:1, M.Phil. – 5:1, Ph.D. – 8:1

**12. Number of academic support staff (technical) and administrative staff:**

S. No.	Position	Number of Sanctioned Staff	Number of Filled Staff	Number of Actual Staff
1	ATO (Temporary)	4	4	4
2	OA (Temporary)	1	1	1

**13. Research thrust areas as recognized by major funding agencies**

DBMS, Data Mining, Knowledge Management, Computer Applications in Concurrent Engineering, Object Oriented Technology and Software Agents, Bio - Inspired Computing, Soft Computing and Image Processing

**14. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Research Projects funded by UGC for Rs, 10,27, 000/- have been completed during the assessment period.

S. No.	Funding Agency	Name of the Principal Investigator	Title of the Project	Amount (Rs.)	Duration	
					From	To
1	UGC	Dr. T. Devi,	Basic Scientific Research	Rs. 30,00,000	2011	2015

**15. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration: Nil****16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received**

S. No	Published in / Faculty		Dr.T.D	Dr.R.R	Dr.V.B	Dr.T.A	Dr.J.S	Dr.R.R	Mr.S.P
1	Number of papers published in peer reviewed journals (National / International)		37	17	15	21	9	11	-
2	Conference	Intl	15	1	15	10	8	1	2
		Natl	7	-	6	-	-	-	-
3	Chapters in Edited Books		-	-	-	8	4	2	-
4	Books edited		1	1	1	1	1	-	-
4	Number listed in International Database		14	-	16	14	2	2	-
5	Citation Index-Range/ Avg		-	-	11	13	-	-	-
6	SNIP/ SJR		-	-	-	-	-	-	-
7	Impact factor – Range/ Average		-	-	-	-	-	-	-
8	H-index		-	-	2	3	-	-	-

UGC-BSR -Rs. 10 Lakhs for Lab Infrastructure and  
Rs. 7.2 Lakhs (2011-12, 12-13) Lakhs for Fellowships

**17. Research facility / centre with State / National / International recognition: Nil****18. Special research laboratories sponsored by / created by industry or corporate bodies: Nil**

**19. Publications:****20. Details of patents and income generated : Nil****21. Areas of consultancy and income generated : Nil****22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Faculty	Year	Institution	Purpose
Dr.J.Satheeshkumar	2011	University Technology Malaysia, Kualalampur	Organizer, Special Session in the international conference supported by Springer

**23. Faculty serving in**

	Dr.T.D	Dr.R.R	Dr.V.B	Dr.T.A	Dr.J.S	Dr.R.R	Mr.S.P
Editorial Board	4	-	2	2	5	-	-
Any Other	-	-	2	4	6	6	-

**24. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

	Dr.T.D	Dr.R.R	Dr.V.B	Dr.T.A	Dr.J.S	Dr.R.R	Mr.S.P
Refresher/ Orientation	-	-	1	1	-	2	-
Workshop	-	-	1	4	3	3	4
Training Programs	-	-	1	2	-	-	-
Other Programs	-	-	-	2	1	1	1

**25. Student projects**

- Percentage of students who have done in-house projects including inter-departmental projects: 27%
- Percentage of students doing projects in collaboration with other universities / industry / institute: 73%

**26. Awards / recognitions received at the national and international level by**

- Faculty**

Name of the Award	Name of Awardees
25 Years of Service in Bharathiar University	Dr. T. Devi
Certificate of Research Excellence, The International Journal of Arts and Sciences, Germany Nov. 2009	Dr. R. Rajesh

- Students – Nil

**27. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- International Conference on Intelligent Computing Applications (2014)
- Two Days Professional Skill Development Programme for MCA Students (2014)
- International Seminar on Mobile Applications (2013)
- International Seminar on Research in Computers: Why, What and How? (2012 & 2013)
- International Seminar on Cyber Security (2012 & 2013)
- National Conference on “Advances in Computer Applications” (2012)
- National Conference in Advances in Computer Applications (2012)
- Hands on Workshop on Optimization Techniques for Image Processing (2012)
- Two Days Hands on Workshop on “Python for Research” (2011)

## 28. Code of ethics for research followed by the department

- The Department has qualified researchers who have completed their Ph.D. degrees and they work in the cadre of faculty. These faculty members serve as supervisors for research programmes. Hence, it is a practice that is sincerely followed to acknowledge the authors of referenced papers by the scholars whenever they write a thesis or research articles.
- No two students are permitted to do their major projects with the same title
- Students are given detailed guidelines on how to prepare the mini project as well as the major project report
- Researchers are also given awareness about plagiarism and are directed to strictly avoid plagiarism in all aspects while writing research papers and thesis document.
- The research papers submitted to the conferences conducted by the department are made to rigorously undergo double-blind, peer-review process in order to contribute to the quality control and to ascertain the originality of the research.

## 29. Student profile programme-wise:

Year	Name of the Programme	No of applications received	Selected		Pass Percentage	
			Male	Female	Male	Female
2014-15	MCA	105	38	33	100%	100%
2014-15	M.Phil.	25	2	12	100%	100%
2014-15	Ph.D.	18	4	4	100%	100%

## 30. Diversity of students

Year	Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2014-15	MCA	49.29	49.29	1.4	-
2014-15	M.Phil.	57.14	42.85	-	-
2014-15	Ph.D.	66.66	33.33	-	-

## 31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

## 32. Student progression

Student	Percentage against enrolled	
PG to M.Phil.	10-15%	
PG to Ph.D.	1%	
Ph.D. to Post-Doctoral	--	
Employed	On Campus	Off Campus
	28	50
Entrepreneurs	1	

## 33. Diversity of staff

Percentage of faculty who are graduates	
From the same University	57%
From other Universities within the State	14.3%
From Universities from other States	14.3%
From Universities outside the Country	14.3%

## 34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Number of Faculty awarded with Ph.D.: 04

**35. Present details of departmental infrastructural facilities with regard to**a) **Library** : Nilb) **Internet facilities for staff and students**

Computers with internet facility is available for all the staff members, Research Scholars, Students and for the Office use.

c) Total number of class rooms - 6

d) Class rooms with ICT facility - 1

e) Students' laboratories - 3

f) Research laboratories - 1

**36. List of doctoral, post-doctoral students and Research Associates**a) **List of Research Scholars who have completed their Doctoral Degree**

Year	2010	2011	2012	2013	2014
<b>Completed</b>					
From the University	3	1	1	2	1
From other Universities	0	0	2	0	1
<b>Pursuing</b>					
From the University	0	2	1	0	14
From other Universities	1	1	0	2	4

**37. Number of post graduate students getting financial assistance from the university.**

Year	Degree	Free Education	State Govt. Scholarship
2010-11	PG	1	122
2011-12	PG	1	188
2012-13	PG	2	96
2013-14	PG	1	8
2014-15	PG	1	99

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Course Name: PGDCA in specializations Cyber Security, Software Testing, Health Care and Web Designing.

Computers play a vital role in each and every corner of Business. The one year Post Graduate Diploma in Computer Applications aims to impart Knowledge in advancements in computers, Data Communication Network, Object Oriented Programming and Java: and skill set in the areas of state-of-art specialization in Cyber Security / Software Testing / Web Designing / Health Care. The budding professionals emanating out of this one year Post Graduate Diploma can serve in various sectors such as IT, IT services, Banking, Financial Services and Insurance, Health Care, Military and Social Networks.

**39. Does the department obtain feedback from**

a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes. The feedback is utilized in framing and revamping of the syllabus during Board of studies. Teaching- learning evaluation is used in devising effective teaching methodologies and active learning methodologies like Group discussion, Tutorials, Assignments and Seminars, Field visit, Mini-project works, Quiz etc.,

b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, the department obtains feedback from students on staff, curriculum and teaching-learning evaluation. Faculty members utilize the feedback to understand the student



expectations and enable the students to undergo learning in an improved style of approach. Feedback on curriculum and teaching- learning evaluation is used in identifying the comfort level of the students in undergoing the present curriculum and any suggestions given by the students, if found feasible, will also be implemented.

**c. alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes, the department obtains feedback from alumni and industrial experts on the curriculum and utilizes it in introducing new subjects and restructuring the existing syllabus. Latest trends in the industry will be learnt through their feedback and the curriculum will be framed in such a way that it incorporates high level programming and decision-making skills in the students and creates good employment opportunity.

**40. List the distinguished alumni of the department (maximum 10)**

- GowriSundar of Oracle, Chennai, PT Sivasankar of AarupadaiVeedu Institute of Technology, Chennai, P. Geetha of Tech Mahindra Ltd., Chennai, RavikumarPangal of ANZ Operations of Technology Pvt. Ltd., Kulandaivelu of Polaris Software Ltd., P. Ponsrinivasan of Bank of Baroda, R. Muralidharan of Wipro Technologies, A. Asarudeen of CG-VAK Software & Exports Ltd., Captain SrinivasanSundarraaj of Indian Army, D. Balaji of Tata Consultancy Services

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Year	No. of Programmes
2010	3
2011	1
2012	32
2013	2
2014	4

**42. List the teaching methods adopted by the faculty for different programmes.**

Students are motivated for solving problems in tutorial session, writing open book tests and having discussion in class related to technology. Students are given mini-project, in the concerned subjects to apply the knowledge in practice to solve problems. E-Learning is motivated by providing the students with more than 500 e-books in all subject related to computer science and to join Online courses for developing technical skills and Soft skills and assisting the students to know e-lectures and related sites such as Spoken Tutorial. Students are encouraged to discuss on a concept, they are given problems to be solved. This encourages student interaction, pooling ideas and experiences from different groups as well as a better understanding of the topic. In the case of Programming Languages, apart from the lab cycle, the class is divided into groups and assigned with mini projects for developing application software. Students are assigned with team assignments for subjects and asked to document it in form of articles, case studies and posters. Students are asked to summarize the topic at end of each hour of the as a step to develop communication skill as part of regular class.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The CBCS rules and regulations for all programmes of the University clearly mention the learning outcomes of its academic programmes. These regulations are available in the Departments and in the University website. On the first day, the first year students are informed about these regulations by the faculty members. They are made aware of the objectives, requirements, learning outcomes and opportunities of the programme. Every

course work is developed at the department level keeping in mind the objectives and the learning outcomes of the coursework. The induction and orientation programmes given to the freshers orient and sensitize them about various opportunities available to them on successful completion of the academic programme. Participatory teaching and learning and periodical continuous assessments are also used to monitor the performance of the students at all levels. Tutor system is followed in the department. The details such as marks secured, placement details and alumni details of the students are maintained in the department. These details are analyzed periodically to monitor the learning outcomes at the department level.

**44. Highlight the participation of students and faculty in extension activities.**

MCA Students actively participate in NSS and undergo social awareness program and help the people in need. The faculty extends their hands in coordinating and handling SDE classes. Faculties share their expertise through organizing seminars and conferences in national and International level and workshop on Computer Training for non-computer Teachers from various colleges and Departments of the University

**45. Give details of “beyond syllabus scholarly activities” of the department.**

- Students are motivated to celebrate festivals like Deepavali, Pongal, Christmas to understand the importance of culture of our Nation.
- Students participate by taking the social responsibility by contributing funds to orphanages.
- NSS Activities, Dance Competitions and other Cultural Programs
- High achievers are encouraged to present papers in national and international seminars/conferences. They are further motivated by way of awarding points and appreciation in the class.
- Advanced learners are motivated to participate in national level project development contests and for low achievers special coaching classes are arranged.
- Motivating students to appear for NET/SET Exams.
- Motivating students to actively participate in group discussion for the subjects concerned to improve their communication skills.
- Communicating and providing the students with important websites for knowledge sharing through group mail for each class.
- For certain subjects that are found difficult to learn, course materials are prepared and provided to the students.
- Organizing Guest Lecture Programmes, National Seminars etc.
- Narrating the story of popular people and discussing in detail the failures faced by such people during their growth.
- Making the students to feel that they are blessed people and they are not inferior or no less than the achievers.
- One to one counseling for students suffering from home-sickness and depression due to low achievements.

**46. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The department has produced 7 Ph.D. and 30 M.Phil. Thesis in the area of Computer Assisted Concurrent Engineering, Integrated Information Modeling, Image Processing, Data Mining and Bio-informatics, Bio-inspired Computing.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****Strength**

- Faculty with a good blend of teaching and research experience provide knowledge to the budding students and scholars on state of art computer applications.
- International Journal of Research in computers (ISSN: 2278-1781) is a publication of the Department of Computer Applications.
- Good student strength with high interest to learn.

**Weakness**

- Students with diverse background.
- Distribution of learning capacity of students is too wide.
- Attitude of students – Wide variation
- Location wise, university is far from the city centre where the industries are located.

**Opportunities**

- The Department can offer Interdisciplinary courses in relation with departments like Chemistry, Bioinformatics, Health care, Psychology

**Challenges**

- Placement for students
- Communication skill, Attitude – Improvement

**49. Future plans of the department.**

- To form research groups in thrust areas identified in the department
- Create a database containing expert list in the thrust areas identified and to form a research community to motivate research.
- Introducing new courses related to industry needs.
- To initiate PG Programme – Cyber Security, Computer Applications in Health care.
- To setup state of art research labs in thrust areas such as Bio-inspired computing, Data Mining, Intelligent Computing and Image Vision.
- To initiate collaboration with south east Angelia University, UK, National University of Singapore, Singapore.
- To be a leading department in the Computer Science Research at International Level.

### **Department of Information Technology**

1. **Name of the Department :** Information Technology
2. **Year of establishment :** 2010
3. **Department comes under :** School of Computer Science and Engineering
4. **Names of programmes offered:** M.Sc. Information Technology, M.Phil. & Ph.D.
5. **Details of programmes discontinued, if any, with reasons :** Nil
6. **Examination System :** Choice Based Credit System and semester pattern
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Assistant Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	-	-	1
Associate Professors	-	-	-
Assistant Professors	-	-	4
Others	-	-	-

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. / M. Phil. guided
			Teaching	Research	
Dr.M.Sundaresan, Professor and Head	MCA M.Phil. Ph.D	Data Compression Image Processing Natural Language Processing	27 ½	17 ½	Ph.D. : - M.Phil. : 9
Mr. T. Ramesh, Assistant Professor	MCA M.Phil. (CS) M.Tech.(IT)	Wireless Network and Information Security	9 yrs 4 months	6	M.Phil. : 10
Dr.S.Sarala, Assistant Professor	MCA. Ph.D.	Software Engineering Object Oriented Software Testing, Compiler Design, Data Structures	12 yrs 4 months	12 yrs 4 months	M.Phil. : 9
Dr.R.Vadivel, Assistant Professor	DECE B.E., M.E., Ph.D.	Mobile Ad-Hoc Networks, Computer Networks Information & Network Security, Cloud Computing	7yrs 2 months	5yrs	-
Ms. W. Rose Varuna, Assistant Professor	B.Sc., MCA	Cryptography & Information Security	4	-	-

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors :** Nil
10. **Percentage of classes taken by temporary faculty – programme-wise information :** Nil
11. **Programme-wise Student Teacher Ratio :**

S.No.	Programme	Student Teacher Ratio
1	M.Sc. Information Technology	10: 1
2	M.Phil. Computer Science	5:1
3	Ph.D. Computer Science	8:1

**12. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date : Nil**

**13. Research thrust areas as recognized by major funding agencies :**

The major research areas are Digital Image Processing, Software Engineering, Mobile Computing and Mobile Adhoc Networks.

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

- a) National : UGC – 2  
 b) International funding agencies : Nil  
 c) Total grants received. : Rs. 2,00,500

S. No.	Funding Agency	Name of the Principal Investigator	Title of the Project	Amount (Rs.)	Duration	
					From	To
1	UGC	Dr. S.Sarala	A Model of Defect Detection in Object Oriented Programming Languages and Console Based Applications	Rs.98,000/-	2009	2011
2	UGC	Dr. R.Vadivel	A Protocol for Reliable Routing in Mobile Ad-hoc Network's (MANET)	Sanctioned Rs.1,20,000/-	2011	2013

**15. Inter-institutional collaborative projects and associated grants received : Nil**

**16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil**

**17. Research facility / centre with State / National / International recognition : Nil**

**18. Special research laboratories sponsored by / various functioning agencies : Nil**

**19. Publications:**

\* Number of papers published in peer reviewed journals (national / international): 093

S.No	Published in / Faculty	Dr.M.S	Mr.T.R	Dr. S.S	Dr. R.V	Ms.RW
1.	Number of Papers Published in Peer reviewed Journals (National / International)	12	01	18	14	01
2.	Monographs	-	-	-	-	-
3.	Chapters in Books	01	-	01	-	-
4.	Edited Books	01	-	01	-	-
5.	Books with ISBN with details of publishers	01	-	01	-	-
6.	Number listed in International Database	01	-	15	-	-
7.	Citation Index – Range / Average	16	-	37	14	-
8.	SNIP / SJR	-	-	2	-	-
9.	Impact Factor – range / average	1.9	-	3.90	-	-
10.	H-index	2	-	4	2	-

**20. Details of patents and income generated : Nil**

**21. Areas of consultancy and income generated : Nil**

**22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.) :**

Details	Dr. M.S	Mr.T.R	Dr. S.S	Dr. R.V	Ms. W.R
National	Chairman-CSI Chairman-BOS College committee member Member - Inspection committee	Member-BOS Member-faculty selection committee Member-CSI Member - Inspection committee	Member-BOS Member - Inspection committee	Member-BOS Member - Inspection committee Member-CSI	-
International	-	-	Member and reviewer of IACSIT, WSEAS, IJCA, ACEEE, ACM Elsevier Journals	Reviewer of ICTACT Journal	Member and reviewer of Asian Journal
Editorial Board	NCICM -2011 ISRIQIHE2014	-	NCICM -2011 ISRIQIHE2014	-	-
Any other	Editorial Board member-CIIT Advisory committee member-IJCII Member – Question paper setter board	Member - steering committee - NCICM 2011 Member - Question Paper setter Board Reviewer- ICIC	Member - Question Paper setter Board	Member - Question Paper setter Board Member - steering committee - NCICM 2011	-

**23. Faculty serving in a) National committees b) International committees  
c) Editorial Boards d) any other (please specify)**

**24. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

Sl.No	Faculty Name	UGC, Refresher/Orientation Programs, Workshops, Training programs place & Date
1	Dr.M.Sundaresan Professor & Head	Organised a Refresher Course in Computer Science during 15.09.2010 to 05.10.2010 at Bharathiar University
2	Dr.S.Sarala Assistant Professor	<ul style="list-style-type: none"> <li>• Attended a Refresher Course, organized by UGC-ASC, Bharathiar University in July 2013</li> <li>• National Level One Day Sensitization Programme on “Promoting Higher Education for Women with Disabilities”, Institute for Home Science and Higher Education for Women, Avinashilingam University for Women, Coimbatore on 12.09.2012</li> <li>• National level workshop on “FDP on IT 2352 Cryptography and Network Security” organized by MIT Anna University, Chrompet, Chennai-44, during 17.12.2011 to 23.12.2011</li> <li>• National Level workshop on “ISTE for Data Base Management Systems”, organized by National Mission on Education through ICT, IIT, Mumbai, during 13<sup>th</sup> to 23<sup>rd</sup> December 2010</li> <li>•</li> </ul>

3	Dr.R.Vadivel Assistant Professor	Attended a Refresher course organized by UGC-ASC, Bharathiar University in December 2012
4	Mrs.W.Rose Varuna Assistant Professor	<ul style="list-style-type: none"> <li>Participated 3 days faculty development Programme at Bharathiar University held on 24.05.2011 to 26.05.2011</li> <li>Participated one day workshop on Cloud Computing using open source on 26.08.2011</li> </ul>

## 25. Student projects

- percentage of students who have done in-house projects including inter-departmental projects – 100%
- percentage of students doing projects in collaboration with other universities / industry / institute – 100%

## 26. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)

- Faculty : Nil
- Ph.D. Research Scholars : Best paper Award – PhD scholar of Dr. S. Sarala – 2012  
Young Scientist Award –Ph.D. scholar of Dr. M. Sundresan (2015)
- PG Students : Nil

## 27. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of participants

Faculty Name	Seminar / Conference / Workshop	Funding Agency	Participants
Dr.M.Sundaresan	One day workshop PUNARJJANI for special school teachers on 20/12/2014	CSI, Coimbatore	150
Mr. T. Ramesh	National Seminar on Research Opportunities in Mobile Ad-hoc Network, 06/12/2013	University Fund	165
Dr. S. Sarala	One day National Conference on Innovations In Computing Methodologies (NCICM-2011) was organized on 16 <sup>th</sup> December 2011	University Fund	147
Dr. R. Vadivel	National Seminar on Wireless Communication and Mobile Computing, 27/02/2014 and 28/02/2014	University Fund	132

## 28. Code of ethics for research followed by the departments

- The research scholars have been motivated with the Self confidence, Innovation and Instructed to avoid plagiarism
- Freedom to select the research problem
- Encouraged to visit the libraries and make the discussions in the team
- Entertaining to present their work in the international forum like Indian Science Congress and annual research summit
- Motivating the scholars to share the ideas to the PG students for promoting research
- Orient them to seek the fund to do the research in india and foreign institutes
- Practices for organizing seminars and conferences
- Disseminate to publish the work in Scopus indexed and peer reviewed journals
- Entertaining to do the training in the relevant specialization at the top priority companies like IBM and Microsoft
- Mentoring and promote their welfare in the education

**29. Student profile programme-wise:**

Name of the Programme	Year	Applications received	Selected		Pass Percentage	
			male	female		
M.Sc. Information Technology	2013	40	9	20	-	-
	2013	35	1	12	-	-
	2013	1	1	1	-	-

**30. Diversity of students**

Percentage of faculty who are graduates	Percentage
From the same University	20%
From other Universities within the State	80%
From Universities from other States	--
From Universities outside the Country	--

**31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil****32. Student progression**

Student	Percentage against enrolled
PG to M.Phil.	10%
PG to Ph.D. & Ph.D. to Post-Doctoral	-
Employed	-
• Campus selection	100%
• Other than campus recruitment	
Entrepreneurs	-

**33. Diversity of staff**

Percentage of faculty who are graduates	Percentage
From the same University	20%
From other Universities within the State	80%
From Universities from other States & From Universities outside the Country	--

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period –**

- Dr.M.Sundaresan - Ph.D. Awarded March 2011
- Dr.R.Vadivel - Ph.D. Awarded September 2013

**35. Present details of departmental infrastructural facilities with regard to**

- a) Library : Yes
- b) Internet facilities for staff and students : Yes
- c) Total number of class rooms : 2
- d) Class rooms with ICT facility : No
- e) Students' laboratories : PG Lab (PG Lab) 40 systems, 2 Servers, 1 Line Printer, 4 UPS (5KVA) Shared with Department of Computer Science
- f) Research laboratories : 15 Systems and 1 Network printer (Shared with Department of Computer Science)



**36. List of doctoral, post-doctoral students and Research Associates**

- a) from the University - No
- b) from other institutions/Universities - Raja N & Sridevi S
- Vijaya S & Boopathy D
- Abdul Jabbar & Hema S
- Angle S & Beena S
- Mythili S

**37. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others**

S.No.	Year	No. of students in State Government Scholarship BC/MBC/DNC & SC/ST & Loan Scholarship
1	2010	15
2	2011	16
3	2012	20
4	2013	08

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No****39. Does the department obtain feedback from**

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, monthly/internal test evaluation is utilised
- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Yes, Based on the feedback after/often modify the curriculum depends on emerging technology
- c) alumni and employers on the programmes offered and how does the department utilize the feedback? Board of studies

**40. List the distinguished alumni of the department (maximum 10)**

- 1. Hasini T - PSGR Krishnammal College, Assistant Professor
- 2. Deepan Babu P - VLB College, Assistant Professor
- 3. Jayakumar R - SNR College, Assistant Professor
- 4. Manimuthu - Hospital Administration, Dubai
- 5. Jancy Judy - Placement Trainer
- 6. Lincy Scania V - Aptech centre, Lecturer
- 7. Sivaraj A - ATO
- 8. Ashok N - Programmer
- 9. Kamal G - ICICI Bank
- 10. Thangameen D - Axis bank, Assistant Manager

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Sl.No.	Programme
1	Personality Development Programme for M.Sc Computer Science M.Sc. IT and M.Phil. Research Scholars 'Motivation for Self and Others' Mr.S. Sasikumar, Officer, State Bank of India, Vadavalli on 17.9.2010
2	One day seminar Dr. R. Nandakumar, Head, Software Process Engineering Cell, Signal And Image Processing Space Applications Centre, ISRO, Ahmedabad."Experiences in Testing Remote sending Data Products – Generation Software Products" on 16.12.2011
3	S. Padmanaban, CEO - Easy Design Systems Pvt. Ltd, CTO – Castle Solution F2E – Dubai "Innovation in Tablet PC Computing" on 16.12.2011

4	Four days Placement Training Workshop on Employability Enhancement, HappeMiles, Coimbatore, 19.03.2012 to 22.03.2012
5	One day seminar “Open Sources” delivered by K.R.Sundaram, Director, Technology KGISL, Saravanampatti on 23.01.2013
6	One day seminar titled “Android Application Development Program” delivered by Mr. Prince Chandran, Technical Director, Coimbatore on 30.01.2013
7	One day seminar titled “Innovation Enablers and Disruptors” (A Preview of 12 Technologies to watch) delivered by Mr.M.Murali, Distinguished Technologist, Computer Science Corporation on 26.07.2013.

**42. List the teaching methods adopted by the faculty for different programmes.**

1. Conducting seminars
2. Conducting Test
3. Equipping the students for placement/jobs
4. Usage of LCD Projector / Laptops/ Online Resources.
5. Remedial Coaching classes for SC / ST / OBC Non-Creamy layer (05/03/2012 to 27/03/2012)
6. Assignments and Power Point presentation
7. Group discussion
8. Conducting counseling sessions
9. Motivating to participate in the conferences / seminars for paper presentation
10. Developing mini-projects for all courses

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Motivate the students for acquiring knowledge towards career /jobs from department Resources

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

- Tree planting - 2014
- Industrial visit made by students every year to update the knowledge in recent IT trends - 2014
- One day workshop PUNARJJANI for special school teachers jointly organized with Computer Society of India, Coimbatore chapter – 2014

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

Students and faculties are presenting seminars / lectures on new technological skills in terms of using software and hardware with open source tools

**46. State whether the programme / department is accredited / graded by other agencies?**

If yes, give details: No

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Providing platform to participate in the symposium/paper presentation / quiz competitions / workshop / seminars outside from the department of other universities.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength:** acquire knowledge for students by motivation

**Weakness:** Lack of space for PG students, research scholars and faculties, Faculty strength and Infrastructure need higher end UPS and sufficient number of rooms

**Opportunities:** Department as well as our University offer the degree in Information technology in the same specialization truly affects the career / jobs like M.Phil. and Ph.D. scholars where government and private sectors.

**Challenges:** we have achieved 100 % pass result of the students in every batches

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- We will extend the wifi facility with laptop for students and faculties
- We will offer interdisciplinary course according to the society requirements
- We shall make the MOU with foreign universities for exchange the programme

### **Department of Economics**

1. **Name of the Department :** Economics
2. **Year of establishment :** 1982
3. **Is the Department part of a school / faculty of the University :** School of Economics / Faculty of Arts
4. **Names of programmes offered (PG, M.Phil., Ph.D.) :**  
 M.A. (Business Economics)  
 M.Sc. (Applied Econometrics)  
 M.Phil. (Economics)  
 Ph.D. (Economics)
5. **Details of programmes discontinued, if any, with reasons :**  
 M.Sc. Applied Econometrics Course was discontinued Due to Starting of the Department of Econometrics
6. **Examination system: Annual/Semester Trimester/choice based credit system :**  
 Semester under CBCS
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Assistant Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	2	2(2007, 2015)	3+1 (on deputation)
Associate Professor	2	1 (1990) 1 (2008)	-
Assistant Professor	3	2 (2005) 1 (2009)	01

8. **Faculty profile with name, qualification, designation, area of Specialization, total experience – research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. / M. Phil. guided	
					Ph.D.	M.Phil.
Dr. B. Muniyandi, Professor and Head	M.Sc.(Ag.Econ.), Ph.D.,	Agricultural Economics	27	6	6	49
Dr. K. Govindarajulu, Professor	M.A., B.L., M.Phil., Ph.D.	Public Economics	29	29	4	13
Dr. B. Vanitha, Professor	M.A., M.Phil. Ph.D.	Industrial Economics	28	28	6	25
Dr. S. Boopathi, Professor	M.A., B.Ed., M.Phil., Ph.D.	Environmental Economics	10	12	2	21
Dr.P. Shanmugam, Assistant Professor	M.A., M.Phil. Ph.D., PGDE	Rural / Tribal Development	8	8	1	11

9. **List of senior visiting fellows, temporary faculty, emeritus professors:** Nil
10. **Percentage of classes taken by temporary faculty-programme wise information:** M.A– 40 %
11. **Programme –wise Student Teacher Ratio**  
 M.A. : 6:1  
 M.Phil. : 1.5:1  
 Ph.D. : 7:1

**12. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual as on date**

Academic Supportive Staff (technical) : Nil  
 Administrative Staff : 2 Nos

**13. Research thrust areas as recognized by major funding agencies**

- 1) Industrial Economics, 2) Agricultural Economics,
- 3) Environmental Economics, 4) Rural Economics and
- 5) Health Economics

**14. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies. Project title and grants received project wise.**

Sl. No	Name of the Principle Investigator	Funding Agency	Title of the Project	Amount (Lakhs)	Duration		Status
					From	To	Completed / Ongoing
1	Dr. B. Muniyandi	Gulf of Mannar Biosphere Reserve Trust (GOMBRT) (jointly implemented by Govt. of India, Govt. of Tamil Nadu and UNDP	Changes in the Socio – Economic Conditions of Fisher Folk Households – A Study on Impact of Vocational Training Offered by GOMBRT	Rs.3.00	2011	-	Ongoing
2	Dr. B. Muniyandi	Directorate of Municipal Administration, Government of Tamil Nadu, Chennai	Preparation of Human Development Report for Coimbatore City Municipal Corporation.	Rs. 4.36	2010	-	Ongoing
3	Dr.K.Govindarajulu	UGC - MRP	Economic Impact of Water Pollution on Rural Households – A case study of Noyyal River Basin in Tamil Nadu	Rs.6.02	2006	2011	Completed
4	Dr.K.Govindarajulu	UGC - MRP	Economic Utilization of Common Property resources : A case –study of rural households in Tamilnadu	Rs.6.69	2012	2014	Ongoing

5	Dr.B.Vanitha	UGC	Economic Dimensions of Integrated Municipal Solid Waste Management in Coimbatore Corporation – A case study	Rs.6.66	2009	2012	Completed
6	Dr.B.Vanitha	ICSSR	Economics of Cultivation of Medicinal Plants in Tamilnadu with Special Reference to Karur District	Rs. 4.07	2011	2013	Completed
7	Dr. S. Boopathi	ICSSR	Dyeing and bleaching industries pollution and its socio-economic and environmental cacies. A case e idence from Thiruppu, Erode and Karur District	Rs. 4.19	2010	2013	Completed
8	Dr. S. Boopathi	UGC	Socio-Economic, environmental impact of Indoor air pollution on Tribal households: A case evidence from the Nilgiris District of Tamil Nadu	Rs.6.24	2015	2018	Ongoing
9	Dr. P.S. Shanmugam	BU	Livelihood Strategies among the Irula Tribes of Siruvani hills in Coimbatore District	Rs. 1.00	2015	2015	Ongoing
10	Dr. A. Sangamithra	Indian Council for Social Science Research (ICSSR),	“Elasticity of Demand for Health care Services and the Impact on Health Insurance among Industrial Workers in Urban Coimbatore, Tamil Nadu”	Rs. 45.20	2009	2011	Completed

11	Dr. A. Sangamithra	Malcolm & Elizabeth Adiseshiah Trust, Chennai	“Burden Of Diabetes Cost and Source of Diabetic Treatment In Coimbatore City” – A Study of Coimbatore Engineering Industry”,	Rs. 1.00	2010	2011	Completed
12	Dr. A. Sangamithra	UGC	“Demand for Healthcare, Expenditure Pattern and Awareness of Health Insurance for Diabetic Patients in Urban Households of Coimbatore-Tamil Nadu”	Rs. 6.09	2011	2013	Completed

**15. Inter –institutional collaborative projects and associated grants received:** Nil

**16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received**

- The Department received UGC-SAP (Phase II) for Rs. 40 Lakhs completed 13 major/minor research projects worth Rs. 55,84,825/- from various funding agencies like UGC, ICSSR, UGC-SAP, AICTE, Government, MEAT etc.

**17. Research facility/ centre with State/National/International Recognition:** Nil

**18. Special research laboratories sponsored by / created by industry or corporate bodies:** Nil

**19. Publications: \***

S.No.	Published in /Faculty	Dr.BM	Dr. KG	Dr.BV	Dr.SB	Dr.PS
1	Number of Papers Published in Peer reviewed Journals (National / International)	10	13	12	30	14
2	Monographs	-	-	-	-	-
3	Chapters in Books	6	5	5	4	7
4	Edited Books	-	-	-	-	-
5	Books with ISBN with details of Publishers	5	11	1	3	-
6	Number listed in International Database	-	-	-	-	-
7	Citation Index – Range / Average	-	-	22.4	-	-
8	SNIP / SJR	-	-	-	-	-
9	Impact Factor – range / average	1.93	-	5.301	2.038	1.51
10	H-index	-	-	-	-	-

**20. Details of patents and income generated:** Nil

**21. Areas of consultancy and income generated:**

The Department of Economics conducted a research study jointly with UNDP, Government of Tamil Nadu and GOMBRT on Changes in the Socio – Economic Conditions of Fisher Folk Households – A Study on Impact of Vocational training offered by GOMBRT. Only the cost of service was charged hence no additional income was generated.

**22. Faculty selected nationally/internationally to visit other laboratories / Institutions / industries in India and abroad (year-wise, faculty-wise, Institutions, purpose etc.): -- -Nil-****23. Faculty serving in a) National Committees b) International Committees c) Editorial Boards: Nil****24. Faculty recharging strategies (UGC, Refresher/orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose)**

Refresher / Orientation course attended by Department Faculty

S.No.	Name	Programme	Date
1	Dr.P.Shanmugam	Orientation Programme, Academic Staff College, Bharathiar University	07.05.2010 to 03.06.2010
2	Dr.S.Boopathi	Refresher Course Academic Staff College, Bharathiar University	08.05.2012 to 28.05.2012
3	Dr.S.Boopathi	Refresher Course Academic Staff College, Bharathiar University	01.02.2013 to 21.02.2013
4	Dr.S.Boopathi	Refresher Course Academic Staff College, Bharathiar University	11.09.2013 to 01.10.2013
5	Dr.P.Shanmugam	Refresher Course Academic Staff College, Bharathiar University	03.09.2014 to 23.09.2014

- Apart from these, the department has co-ordinated **Five Refresher Courses**, and **A Short Term Course**

**25. Students projects**

Percentage of students who have done in-house projects including inter- departmental Projects : 100%

Percentage of students doing projects in collaboration with other Universities / industry / institute: Nil

**26. Awards and recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose) :**

Three Faculty (Dr. B. Muniyandi, Dr. K. Govindarajalu and Dr. B. Vanitha) were recognized with award for 25 Years of Unblemished Service

**27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants**

Seminars / Refresher Course / Workshop Conducted		No. of Participants
1	University sponsored <b>Three day Placement Workshop</b> conducted on 3rd to 5th March, 2010.	96
2	University sponsored Three day workshop on <b>Research Methodology and Data Analysis</b> , conducted on 29th to 31 <sup>st</sup> March 2010.	220
3	University sponsored National Seminar on <b>Emerging Issues in Indian Economy</b> , conducted on 27th and 28th January, 2011.	84
4	UGC sponsored two days National Seminar on <b>Growth and Equity in India</b> , conducted on 8th and 9th December, 2011.	102
5	Co-ordinated in the two day seminar sponsored by UGC on <b>Sustainable Agriculture in India – strategies and challenges</b> , jointly organized by providence college for women, Coonoor on 21st February, 2012.	142



6	UGC-SAP sponsored Two day National Seminar on <b>Environment and Sustainable development –Indian perspective</b> conducted on 23 <sup>rd</sup> & 24 <sup>th</sup> February 2012	92
7	UGC-SAP sponsored Two days National seminar on <b>Impact of Mergers and Acquisitions on Indian Industries</b> organized by Department of Economics, Bharathiar University on 3 <sup>rd</sup> & 4 <sup>th</sup> April 2012	115
8	One day seminar on <b>Climate change and its Impact</b> , conducted on 16 <sup>th</sup> August 2012.	87
9	UGC sponsored Two day national seminar on <b>Co-operative Enterprises: Promoting Indian economy</b> , jointly organized by PG Research department of Co-operation, Sri Ramakrishna Mission Vidyalaya College of Arts & Science, conducted on 21st to 22nd Aug 2013.	107
10	UGC sponsored Two day national seminar on <b>Inclusive Growth in India: Issues and Challenges</b> conducted on 17 <sup>th</sup> & 18 <sup>th</sup> March 2014	82
11	University sponsored Three day workshop on <b>“Quantitative Social Research Methods”</b> conducted on 9 <sup>th</sup> , 10 <sup>th</sup> & 11 <sup>th</sup> March 2015.	107

## 28. Code of ethics for research followed by the departments

- UGC Regulation on minimum standards and procedure for the award of M.Phil. / Ph.D. degree – 2009 are followed.
- Periodical review of work done by the scholars
- Presentation in the doctoral committee meeting
- Presentation of Ph.D. thesis work in Department seminar

## 29. Students profile programme –wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.A. Economics	2014-15	19	8	4	100	100
M.Phil.	2014-15	5	-	3	100	100
Ph.D.	2014-15	5	1	2	100	100

## 30. Diversity of students

Name of the Programme	% students from the Same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.A. Economics	70	25	5	-
M.Phil.	70	25	5	-
Ph.D.	60	20	10	-

## 31. How many students have cleared Civil Service and Defence Services? Examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

### NET/SET

Sl.No.	Name of the Candidate	NET/SET	Year
1	P.Priya	NET	2010
2	Frenny Dass	NET	2010
3	T. Santhosh	NET	2011
4	C.Mythili	SET	2010
5	S.Rajkumar	SET	2012
6	P. Manimalathi	SET	2012
7	R. Manikandan	SET	2012

## 32. Students progression

Students	Percentage against enrolled
PG to M.Phil.	15
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
• Employed	-

<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
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**33. Diversity of staff**

Percentage of faculty who are graduates	
From the same University	40
From other Universities within the State	20
From Universities from other States	20
From Universities outside the Country	Nil

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D. Litt. During the assessment period : Nil****35. Present details of departmental infrastructural facilities with regard to**

- a) Library : Available
- b) Internet facility for staff and students : Provided to all through Wi-Fi
- c) Total number of class rooms. : 2 Nos.
- d) Class rooms with ICT facility : 2 Nos.
- e) Students' Laboratories : 1 Computer lab
- f) Research Laboratories : Nil

**36. List of doctoral, post-doctoral students and Research Associates**

- a) from the University : Nil
- b) from other institutions / Universities : Nil

**37. Number of post graduate students getting financial assistance from the state Government / UGC / private trust / order**

Name of the Programme	Year	Government	UGC	Private Trust
M.A. Economics	2010-11	36	-	-
	2011-12	17	-	-
	2012-13	30	-	-
	2013-14	16	-	-
	2014-15	15	-	-
M.A. Applied Econometrics	2010-11	4	-	-
	2011-12	18	-	-

**38. Was any need assessment exercise undertaken before the development of new Programme(s)? : Nil****39. Does the department obtain feedback from Faculty on Curriculum as well as teaching – Learning – evaluation? if yes, How does the department Utilized the feedback?**

- Yes, All teachers are involved in BOS and the syllabus was framed
- If there is any difficulty in evaluation, it will be discussed in faculty meeting and sorted out.
- a) **Students on Staff, Curriculum and teaching:**  
**Learning – evaluation and how does the department utilizes the feedback ?**
  - Yes, Difficulty expressed by students be discussed in faculty meeting and try to solve them.
- b) **Alumini and Employers on the programmes offered how the department does utilize the feedback?**
  - The feedback regarding the new employment opportunity from the Alumini were Taught to the students

**40. List the distinguished alumni of the department (maximum 10)**

S.No.	Name	In Position
1	Mohan Raj	IAS (Karnataka cadre)
2	Allirani	IAS (Director, Container Corporation of India)
2	Many Alumni	Assistant Professors in Universities, Govt. Colleges and Govt. Aided Colleges

**41. Give details of students enrichment programmes (special lectures / Workshops / seminar) involving external experts.**

1. Organized Personality Development programme on English language skill.
2. Organized Computer skill development programmes.
3. Organized SPSS statistical package orientation programme.
4. Organized programme on Research Techniques.

**42. List the teaching methods adopted by the faculty for different Programmes. For PG students and part I of M.Phil. Programme we follow.**

Lecture Method, ICT (OHP, LCD, E-content), Group Discussion, class presentation, Seminar, Industrial Visit.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Performance of student in examinations
- Achievement in Placement
- Advanced Lectures enter into Higher studies

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, outcome etc.)**

- Extension programmes were organized with the help of the students of Economic to create awareness on public health and environmental pollution

**45. Give details “beyond syllabus and scholarly activities” of the department. May be generated?**

- Organized Industrial visits to better exposure to students on the functioning of organizations

**46. State whether the programme / department is accredited / graded by other Agencies? If yes, give details****47. Briefly highlight the contributions of the department in generating new knowledge, Constructed Human Development Index for Coimbatore City****48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****Strengths**

- Received UGC-SAP Assistance (Phase I & II)
- Computer Lab is available
- Conducts monthly Students Seminars and Workshop
- Conducts Students Seminar in respective Courses
- Conducts Computer and Language Development programme

**Weakness**

- Shortage of Regular staff member
- Non- availability of Department Seminar/Conference Hall
- Shortage of Space

- Need for Scholarship for the poor and needy students.
- The Students are mainly from Tamil Medium and with poor Background

**Opportunities**

- Opportunity for students in Banking and Industries
- To appear Competitive Exams like TNPSC, staff selection commission, etc..
- Opportunity for students to get placement in economic research institutions
- Opportunity for students to get placement in as marketing Executive

**Challenges**

- To increase student enrollment in PG Course.
- To develop the English speaking and writing skills of the Tamil medium students
- To give the mathematical orientation to the students with poor mathematical skill
- To create better placement opportunities for the students.

**49. Future plans of the department (in terms of new programmes, research areas, national / International collaboration).**

- To advance research in the field of International Economics.
- To introduce advanced tools of analysis in Ph.D., research

### **Department of Econometrics**

1. **Name of the Department :** Econometrics
2. **Year of establishment :** May 2012
3. **Department comes under** School of Economics, faculty of Social Science
4. **Names of programmes offered :** M.Sc., M.Phil., Ph.D.
5. **Details of programmes discontinued, if any, with reasons :** NA
6. **Examination System:** Semester pattern is followed under Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	Nil	-	One professor as Head in charge from Economics
Associate Professors	-	-	-
Assistant Professors	-	01	One Asst. Professor Transferred from Department of Economics

8. **Faculty profile with name, qualification, designation, area of Specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.V.Anbumani (2012-2013) Professor & Head (Retd)	M.A., MBA, B.L.,ICWAI., Ph.D.	Industrial Economics, Econometrics	28 Years	Ph. D: 15 M. Phil: 41
Dr. B. Vanitha, Professor and Head i/c	M.A, M.Phil., Ph.D.	Industrial Economics, Environmental Economics	27 Years	Ph. D: 06 M. Phil: 24
Dr.A.Sangamithra (2012 onwards) Assistant Professor	M.A, Ph.D.	Health Economics/ Econometrics	19 Years	Ph.D: 08 M. Phil: 09

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors:** Nil
10. **Percentage of classes taken by temporary faculty – programme-wise information:**  
M. Sc Econometrics 40 %
11. **Programme-wise Student Teacher Ratio:** M. Sc: 9:2 M. Phil: 1:1 Ph.D:9:2
12. **Number of academic support staff (technical) and administrative staff:**  
01 (Temporary staff)
13. **Research thrust areas as recognized by major funding agencies:**  
Health Economics, Industrial Economics, Labour Economics.
14. **Number of faculty with ongoing projects:**  
One faculty member is sanctioned with MRP- entitled 'Treatment seeking behavior, source of finance and cost incurred for the treatment among married infertile women in Coimbatore, Tamil Nadu funded Rs. 8,00,000 by ICSSR – MRP for period 2015-2017, Ref: F.No:02/155/2014-15/ICSSR/RPR, Dated 28.10.2014

**15. Inter-institutional collaborative projects and associated grants received:** Nil

**16. Departmental projects funded by DST-FIST UGC-SAP/CAS, DPE, DBT, ICSSR, AICTE and grants received:** Nil

**17. Research facility:** Yet to be created

**18. Special research laboratories sponsored by / various functioning agencies:** Nil

**19. Publications:**

	Dr. V. A	Dr. B. V	Dr. A.S
National	13	5	06
International	-	7	-
Chapters in Books	-	5	19
Edited Books	-	-	2

**20. Details of patents and income generated:** Nil

**21. Areas of consultancy and income generated:** Nil

**22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.):** Nil

**23. Faculty serving in**

	Dr. V. A	Dr. B. V	Dr. A.S
National committees	Examinar UPSE, UGC	Examinar UPSE, UGC-SAP- Kakatiya University, Member of Advisory Committee,	-
International committees	-	-	-
Editorial Boards	Editor in chief leader International Journal of Management	-	Editorial Advisory Board – Shanlax , International Journal of Economics

**24. Faculty recharging strategies:**

One faculty member has presented 38 papers in National Seminars and Conferences (National Seminar: 20, Conference: 18)

**25. Student projects:** 100% - All students have project work 12 credits.

**26. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose):**

Faculty: Dr. A. Sangamithra,

1. Conferred 'Young Economist' award by the Association of Economists of Tamil Nadu (AET) at the 32<sup>nd</sup> Annual conference held at Gobi Arts and Science College, Gobichettipalayam during 19<sup>th</sup> and 29<sup>th</sup> November 2011.

2. Got 'Best Teacher Award' – 2013 from the News Paper, Dinamalar

**27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants:**

Seminars organized: 2 (National Level)

S. No	Title	Date	No of Participants
1	Impact of Mergers and Acquisitions on Indian Industries	3 & 4 April 2012	300
2	Commonly Used Econometrics Techniques in Empirical Research	14&15 Feb. 2013	250
3	Application of Econometric Techniques in Empirical Research	26&27 Feb.2014.	103

**28. Code of Ethics for research:**

Avoiding Plagiarism, not revealing the identity of the respondents in the case of primary data collection, not using the data for any personal gains, are the code of ethics for research followed in the department.

**29. Student profile programme-wise:**

Name of the Programme & Year	No. of Applications received	No. Admitted	Selected		Pass percentage	
			Male	Female	Male	Female
M. Sc.						
2014 I M. Sc	0	0	0	0	-	-
II M. Sc	09	09	02	07	100%	100%
2014 Ph. D.	01	01		01		

**30. Diversity of students**

Name of the Programme	% of Students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
M. Sc. : 09	22.22 %	66.66 %	11.11 %	-
M. Phil. : 01	100 %	-	-	-
Ph. D.: 09	88.88 %	11.11 %	-	-

**31. How many students have cleared Civil Services and Defense Services examinations? NET, SET, GATE and other competitive examinations? Give details category-wise:**  
 NET: 02 SET: 03

**32. Student progression**

Student	Percentage against enrolled
PG to M.Phil.	100%
PG to Ph.D.	66.66%

**33. Diversity of staff:** 100 % (All the members of the faculty are from Bharathiar University)**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil**35. Present details of departmental infrastructural facilities with regard to**

- a) Library : No
- b) Internet facilities for staff and students : Yes
- c) Total number of class rooms : Two
- d) Class rooms with ICT facility : One
- e) Students' laboratories : Nil
- f) Research laboratories : Nil

**36. List of doctoral, post-doctoral students and Research Associates**

a) From the University: b) From other institutions/Universities:

S. No	Name of the doctoral Student	From Bharathiar University	From other University
1	<u>Doctoral</u> B. Viji	✓	-
2	M. Manikandan	✓	-
3	K. Semmalai	✓	-
4	K.A. Keerthi Prabu	✓	-

5	V.H. Said Mohammed	✓	-
6	A. Vasanthi	✓	
7	R. Pazhanichamy	-	✓
8	S. Bhavani Priyadarshini	✓	-
9	G. Shanmugapriya	✓	-
1	<b>Research Assistance</b> S. Bhavani Priyadarshini	✓	

**37. Number of post graduate students getting financial assistance from the state government/UGC/private trust/order:**

Seven Students from II M. Sc Econometrics are getting (SC, ST, BC Scholarship) financial assistance from the University.

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

The department has not developed any new course since its inception.

**39. Does the department obtain feedback from?**

Feedback on individual teachers is obtained from the students with the help of prepared schedule on three aspects

1. on teachers (from all the students for all the teacher)
2. on the curricula (only from outgoing students) Prepared schedule on 4 point scale is used to get the feedback. The individual teachers are requested to make the analysis of the feedback for self introspection, results of which are discussed in the staff meeting for further improvements.
3. The feedback on curricula is recorded to be used for revamping the syllabus in the next revision.

**40. List the distinguished alumni of the department (maximum 10):**

Since the department is just two years old, there are no distinguished alumni. However one of our PG student Mr. Vineesh Prakash has obtained admission for integrated PhD in the University of Punjab.

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

S. No	Name	Title of special Lecturer	Date
1	Dr.S.Tholkappian, Senior Research Analyst, Department of Economics, Madras School of Economics	Data Analyst Using Econometrics Techniques	12.10.2012
2	Mr. Gokulnath, Department of Management Studies, Park Institute, Coimbatore	Soft Skills	19.10.2012
3	Dr.M.Raju, Associate Professor Department of Economics Gobi Arts and Science College Gobichettipalayam	Bridge Course	4.07.2012
4	Dr.(Mrs) M.Chitra, Assistant Professor, Department of Economics Madurai Kamaraj University, Madurai	Job Opportunities	11.07.2012
5	Dr. P. Ambiga Devi, Professor and Head, Department of Economics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.	Factor Analysis	26.2.2014
6	Dr.A.Duraisamy, Associate Professor, Department of Economics, Madras Christian College, Chennai	Introduction to Econometrics in Empirical Research	26.2.2014



7	Dr. K.T.Geetha, Professor Department of Economics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.	Cluster Analysis	26.2.2014
8	Dr.K.P.Mani, Professor and Head Department of Economics, Dr.John Mathai Centre, University of Calicut Thirussur	Econometric Modeling- Concepts, Steps and recautions	27.2.2014
9	Dr.R.Jaya Raman, Professor and Head Dept. of Fisheries Economics and Management, Fisheries College & Research Institute, Thoothukkudi	Production Economics and Modernization of Traditional Agricultures	26.2.2014

**42. List the teaching methods adopted by the faculty for different programmes.**

M. Sc.	M. Phil & Ph.D.
Lecture Method, Assignment and Seminar, Case Study, Group Discussion, Role Play Brainstorming, Power point presentation (e- Content) Field Visit, Project Work, Problem Solving, Presentation, Internship 60% Lecturer 40% ICI enabled teaching	Micro Teaching, Lecture Method, Case Study, Group Discussion, Power point presentation (e- Content) Brainstorming, Problem Solving, Assignment and Seminar, Dissertation Work, ICT Enabled Teaching

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The programme objectives and learning outcomes are monitored through reviewing the pass percentage in the exams and individual improvement as well as percentage of students going for higher studies and placement in the teaching profession. Feedback from the students on teaching learning and the curricula and feedback from Alumni also help in understanding the learning outcomes of the students.

**44. Highlight the participation of students and faculty in extension activities:**

2012, April, Ph. D Scholars of the department have created Awareness about Health Insurance among the poor patients in the Government Hospital, Coimbatore.

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

The scholarly activities of the department include

- Participation in inter-collegiate competitions and winning prizes.
- 12 PG Students participated in cultural Programme.
- 09 PG Students presented papers in seminars and conferences.
- Participation of Students in the Photography Exhibition-“Vanaoasai” Conducted by NGO Coimbatore.
- Students got award for magazine designing competition conducted by Dinamalar daily magazine.

**46. State whether the programme is graded by other agencies: NA**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Students were taught basic SPSS software and Advanced Econometrics Techniques through various guest lecture programmes.
- Personality Development Programme and soft skill training were given to students.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength	Weakness	Opportunities	Challenges
Providing students with an excellent opportunity to discover for themselves the career opportunities other than teaching by opening the door to career in the industry.	Shortage of regular faculty member and poor admission	Internship in local corporate houses.	Increasing student enrollment
Focusing on teaching and research in econometrics emphasizing theoretical, methodological and conceptual issues in economics along with applications to socially relevant issues.		Job opportunity in industries and financial institution	Coaching first generation students and
Taking care of the slow learners		Possibility of offering consultancy services to the corporate sectors.	Students coming from Different discipline especially B. Sc Mathematics.
Counseling for all needy students especially for girls.		Special coaching for Econometrics Model building for the researchers from various disciplines	Finding placement in corporate world
		Special coaching for Computer Knowledge & Communication skills in English	

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- To increase enrollment of students by creating awareness among the UG students about Econometrics
- To offer a course in Econometrics to the students of other Social Sciences as supportive course.

### **Department of Educational Technology**

**1. Name of the Department :** Department of Educational Technology

**2. Year of establishment :** September 1990

**3. Is the Department part of a School / Faculty of the university?**

Yes, the department is part of School of Educational Studies, Faculty of Education.

**4. Names of programmes offered**

Programme	Course Title
PG	Educational Communication
M.Phil.	Educational Technology
Ph.D.	Educational Technology

**5. Details of programmes discontinued, if any, with reasons :**

M.Sc. Electronic Media (for want of aspirants in 2011)

**6. Examination System:** Semester System- CBCS

**7. Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	0	0	One professor from BSMED is Head Incharge of the Dept.
Associate Professors	1	0	0
Asst. Professors	4	4	3

**8. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.P.Thirumalvalavan, Professor & Head i/c.	M.Com., MBA, M.Phil., B.L, Ph.D.	Finance	37 Yrs	Ph.D:4 M.Phil:8
Dr.N.Balasubramanian, Prof. & Head (Retired on 30.06.2014)	M.A. English M.Sc..Psychology M.Ed..Education M.Phil. Education Ph.D. Education PGDCA	Educational Media, Psychology, ELT, OER Distance Education	34 Years	Ph.D. : 18 M.Phil. : 35
Dr.M.Parthasarathy, Assistant professor	M.Sc.. M.Phil. Ph.D.	Neural Network's Programming, Question Banking Software , Audio & Video Editing	12 Years	M.Phil. : 1
Dr.A.R.Bhavana, Assistant professor	M.A. M.Phil. Ph.D.	E –Learning Literature ELT Linguistics	13 Years	Ph.D. : 3 M.Phil. : 2
Dr.S.Thangarajathi, Assistant professor	M.Sc. M.A. M.Ed. Tech. Ph.D.	Educational Psychology & Educational technology	11 Years	Ph.D. : 3 M.Phil. : 3
T.Enok Joel, Assistant professor	M.Sc., M.Phil., M.Ed., M.Sc. (Psy)	Educational Psychology, Educational technology & Instructional Technology	9 Years	Nil

**9. Percentage of classes taken by temporary faculty – programme-wise information:**

All classes are handled by regular faculty members.

**10. Programme-wise Student Teacher Ratio: M.Sc. Educational Communication 2 : 1**

**11. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Nil**

Designation	Sanctioned	Filled	Actual
ATO	1	0	0
Assistant	1	0	1Staff on Daily Wages
Office Assistant	1	0	1Staff on Daily Wages

**12. Research thrust areas as recognized by major funding agencies**

• ICT in education	• Advanced multimedia and Internet based Instructional programmes
• Designing learning environments	• Education for sustainable elementary education
• Evaluation and research in education	• Cognitive science
• Multimedia content creation process	• E-Learning

**13. Number of faculty with ongoing projects : Nil**

**14. Inter-institutional collaborative projects and associated grants received: Nil**

**15. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil**

**16. Research facility / centre with State /National/ International recognition : Nil**

**17. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**

**18. Publications:**

Kindly give numbers along except 1) books with ISBN

S. No.	Publication by Faculty	Dr. N.B	Dr. M.P	Dr. AR.B	Dr. S.TR	Dr. T.EJ
1	Paper Published National	46	5	3	6	9
2	Paper Published International	20	2	6	8	1
3	Monographs	37	-	-	-	-
4	Chapters in Books	-	-	-	-	-
5	Chapters Edited Books	5	-	-	-	-
	Books with ISBN	-	-	4	-	-

**19. Details of patents and income generated: Nil**

**20. Areas of consultancy and income generated: Nil**

**21. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil**

**22. Faculty serving in :**

- National committees – Dr. A.R. Bhavana, Member National Project - NUEPA
- Dr.S.Thangarajathi – Editorial Board IJER.

**23. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

Sl. No.	Faculty Name	Refresher	Orientation programs	Workshops	Training programs	Similar programs
1	Dr. M.P	1	1	2	1	-
2	Dr. AR.B	2	1	6	5	3
3	Dr. S.TR	2	1	8	7	2
4	Dr. T.EJ	1	1	1	1	-

**24. Student projects:** 5 students have done Projects with Vendhar TV.

**25. Awards / recognitions received at the national and international level by**

- Faculty

Dr. A.R. Bhavana

1. Best Faculty Award 2010-2011- The Nehru Educational and Charitable Trust, Coimbatore

**26. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.:**

A National Seminar on “Moving Towards an Interactive Networked Knowledge Society” was conducted by the Department during 10<sup>th</sup>-11<sup>th</sup> March 2014.

**27. Code of ethics for research followed by the departments**

The Research scholars are provided with an orientation by the Head of the Department. During the session they are advised as to conduct themselves with a focus towards research and academic improvement. The scholars are motivated to work with sincerity and integrity and avoid plagiarism. They are asked not to involve themselves in discussions such as religion and politics which may lead to groupism.

**28. Student profile programme-wise:**

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Phil.	10	4	6	100%	100%
Ph.D.	14	4	10	Under Going	
M.Sc. Educational Communication	2	2	-	Under Going	

**29. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Phil.	100 %	-	-	-
Ph.D.	100 %	-	-	-
M.A. Educational Communication	100 %	-	-	-
M.Sc. Educational Communication	100 %	-	-	-

**30. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:**

S. No.	Students	Exam
1	3 Post Graduates	NET
2	3 Ph.D. Scholars	NET
3	1 Ph.D. Scholars	TET – Posted as PG Assistant

**31. Student progression**

Student progression	Percentage against enrolled
UG to PG	0
PG to M.Phil.	0
PG to Ph.D.	0
Ph.D. to Post-Doctoral	0
Employed	Nil
<ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment Entrepreneurs</li> </ul>	75 %
Entrepreneurs	Nil

**32. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	50%
from universities from other States	Nil
from universities outside the country	Nil

**33. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period :**

1 Person -Dr. M. Parthasarathy – Ph.D. (2011)

**34. Present details of departmental infrastructural facilities with regard to**

- Library - Collection of about 200 books and thesis (both M.Phil., & Ph.D.)
- Internet facilities for staff and students – 20 Systems
- Total number of class rooms – 2
- Class rooms with ICT facility – Nil
- Students' laboratories - 2
- Research laboratories – Nil

**35. List of doctoral, post-doctoral students and Research Associates: Nil****36. Number of post graduate students getting financial assistance from the university. : Nil****37. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.: Nil****38. Does the department obtain feedback from**

- A. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Yes – The students and the faculty have a discussion about the difficulties in the Teaching & Learning Process and decide on what changes should be made. Based on the opinion of the students some topics such as philosophy, standards in E- Learning knowledge management etc., are deliver to them using PowerPoint presentation. Earlier these theory classes were taught in the traditional method only.
- B. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
At the end of each semester, the Head of the Department arranges for an interaction with the students. During the discussion a general feedback about the syllabus content , sessions and teaching learning process is collected. The comments of the students are taken up for discussion in the following staff meeting. The opinions of the Alumni is also taken up for making changes in the syllabus.

- C. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes- Based on the feedback of alumni the syllabus has been revised

- Revision of syllabi for M.Sc. / M.Phil. / Ph.D. courses regularly.
- Adapting new methods of teaching such as Visual presentation, conducting quiz programmes.
- Faculty advisor for each course.
- Placement advisor for each course

### 39. List the distinguished alumni of the department (maximum 10)

•	Dr.M.Parthasarathy	Assistant Professor, Bharathiar University Coimbatore.
•	Dr.A.Rajesh	Assistant Professor, Christ University, Bangalore.
•	Dr. Tamilselvi	AssistantProfessor, Karpagam Deemed UniUniversity, Coimbatore
•	Dr.R.Sangeetha	Visual Designer, Robert Bosch
•	Ms.T.Sangeetha	PG Assistant, Govt.Higher Secondary School, Athur, Salem
•	Dr.S.Kadhiravan	Professor & Head Dept.of Education, Periyar University, Salem
•	Dr.Rejumol	Assistant Professor, College of Education, Kasergode, Kerala.
•	Dr.T.Malliga	Principal, Vellalar College of Education, Erode.

### 40. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.: Nil

### 41. List the teaching methods adopted by the faculty for different programmes.

1. Lecture Method
2. Multimedia Presentation
3. Quiz Programmes
4. Using Smart Classroom

### 42. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

After each batch completes the course the faculty members discuss the result ratio for the previous years and also collect Students' Feedback . Then decisions are taken to make changes in the syllabus or teaching methods to suit the market demand.

### 43. Highlight the participation of students and faculty in extension activities.: Nil

### 44. Give details of “beyond syllabus scholarly activities” of the department.

The students have taken video of certain functions in the campus and the footage has been edited in the editing console of the department studio the CD's of some functions are available . The un edited footages are stored for practicing editing in the future.

### 45. State whether the programme / department is accredited / graded by other agencies? Nil

### 46. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Our well established interdisciplinary approach to the study of educational technology offers a broad perspective on technological advancements and communication in the fast paced global village. The post graduate programmes in this department have been designed with the objective of creating a new breed of professionals having appropriate values and ethos.

**47. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths :**

Qualified Staff, State of the Art of Technology Labs, Excellent Infrastructural Facilities, Students Friendly Administration and Modern Techniques of Teaching.

**Weaknesses :**

Lack of applications received from aspirants for courses, No appointment of technical personnel , Lack of regular non –teaching staff, Lack of publicity of the courses offered and Lack of award of scholarships / fellowships.

**Opportunities:**

Development of personnel with skills for creation of E-Content , Media Research, On-line learning and testing , Development of Computer raised Question baking and Educational and Occasional Counseling.

**Challenges :**

E-Content development, On-Line Counseling , On-Line Tutoring, Supportive Modernized open and distance learning and networking with international agencies working on Open Education Resources .

**48. Future plans of the department.**

Taking up research projects sponsored by national and international funding agencies, contribute towards Open Education Resources , Developing Media Based Instruction Materials at various levels of Education are some of the future plans of the Department.



### **Department of Education**

1. **Name of the Department :** Education
2. **Year of establishment:** 2012
3. **Is the Department part of a School / Faculty of the university?**  
Yes, School of Educational Studies, Faculty of Education
4. **Names of programmes offered :** M.Ed., M.Phil. -Education, Ph.D.- Education
5. **Details of programmes discontinued, if any, with reasons.** No
6. **Examination System:** Semester System under Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others)**

Faculty Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	One	One	One
Associate Professors	One	Vacant	Vacant
Asst. Professors	Three	Three	Three
Others	---	---	---

8. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. N. Balasubramanian Professor (Retired in 2014 and reemployed)	Ph.D.	Educational Technology	35	Ph.D.- 4 M.Phil-1
Dr. G. Singaravelu, Assistant Professor	Ph.D.	Primary Education	20	Ph.D.- -4 M.Phil-20
Dr.S.Arulsamy, Assistant Professor	Ph.D.	Educational Technology	15	Ph.D.-1 M.Phil-1
Dr. M. Malarvizhi, Assistant Professor	Ph.D.	Environmental Education	10	---

9. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:** Nil
10. **Percentage of classes taken by temporary faculty – Programme-wise information:** NA
11. **Programme-wise Student Teacher Ratio:** PG - 9:1; M.Phil. - 3:1; Ph.D. - 6:1;
12. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:** Nil (The Department was instituted only in 2012)
13. **Research thrust areas as recognized by major funding agencies:**  
Educational Technology and Environmental Education

**14. Number of faculty with ongoing projects from National / International : Nil**  
**Give the names of the funding agencies, project title and grants received – NA**

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Amount (Lakhs)	Duration		Status
					From	To	
1	Dr. G. Singaravelu	UGC through Madurai Kamaraj University, Madurai	Preparation and validation of e-TLM and implementation for the teachers of English at std VI in Coimbatore District.	Rs. 2,40,000	2008	2011	Completed & Report submitted in 2011
2	Dr. S. Arulsamy	UGC-12 <sup>th</sup> Plan Grant-BU	Academic Achievement of PG Students of the University Department – BU	Rs. 20,000	2013	2014	Completed & Report submitted in 2014

**15. Inter-institutional collaborative projects and associated grants received**  
**a) National collaboration b) International collaboration: Nil**

**16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. Nil**

**17. Research facility / centre with State / National / International recognition: Nil**

**18. Special research laboratories sponsored by / created by industry or corporate bodies: Nil**

**19. Publications:**

S. No.	Published in / Faculty	Dr. NB	Dr.GS	Dr.SA	Dr.MM
1	Number of Papers Published in Peer reviewed Journals (National / International)	2	34	14	04
2	Monographs	12	--	--	--
3	Chapters in Books	04	01	04	--
4	Edited Books	04	--	--	--
5	Books with ISBN with details of publishers	02	06	09	02

1. 'Teaching of English' Published by APH publishing corporation, 978-81-313 0740-3
2. 'Education in the Emerging Indian Society' published by Neelkamal publications, 978-81-8316-224-1
3. 'Primary Education' published by APH publishing corporation, 978-81-313-0702-1
4. 'Micro Teaching in English' published by Neelkamal publications, 978 81-8316-260-9
- 5 'Improve your English' published by APH publishing corporation, 978-81-3131017-5
- 6.'Electronic Materials in Teaching English' published by APH publishing corporation, 978-93-313-2153-4
7. 'Philosophical and Sociological Perspective on Education' by Neelkamal Publications, 978-81-8316-237-1
8. 'Curriculum Development' published by Neelkamal Publications, 978-81-8316-223-4

9. 'Educational Innovations and Management' published by Neelkamal Publications, 978-81-8316-200-5
10. 'Application of ICT in Education' published by Neelkamal Publications, 978-81-8316 182-4
11. 'Safety and Disaster Management' published by Neelkamal Publications, 978-81-8316-273-9
12. 'Skills and Strategies of Teaching' published by Neelkamal Publications, 978-81-8316-253-1
13. 'Disaster Management' published by Neelkamal Publications, 978-81-8316-361-3
14. 'Peace and Value Education' published by Neelkamal Publications, 978-81-8316-417-7
15. 'Information & Communication Technology (ICT) in Education' published by Neelkamal Publications, 978-81-8316-519-8
16. Uyiriyal Karpithal (Teaching of Science) published by Maa Nila Publisher, Madurai
17. 'ICT in Teaching and Learning' published by Maa Nila Publisher, Madurai

**20. Details of patents and income generated:** Nil

**21. Areas of consultancy and income generated:** Nil

**22. Faculty selected Nationally / Internationally to visit other laboratories / institutions / industries in India and abroad:** Nil

**23. Faculty serving in**

	Dr. NB	Dr. GS	Dr. SA	Dr. MM
National Committee	35	02	01	--
International Committee	03	01	--	--
Editorial Board	05	04	02	--
Any Other	05	05	03	--

**24. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**

Dr. M. Malarvizhi attended the *refresher course* on 'Educational Studies' organized by ASC-Bharathiar University, during 06.11.2014 to 26.11.2014.

**25. Student projects:** Nil

**26. Awards / recognitions received at the national and international level by Faculty/ Doctoral / Post Doctoral fellows / Students:** Nil

**27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- National Seminar on 'Education for Elevation' organized during 14.04.2013 and 14.04.2013. 100 participants participated.
- National Seminar on Teacher Education towards Preparing Professional and Humane Teachers' organized during 08.03.2014 and 04.03.2014. 150 participants participated.
- National Workshop on "2 Year M.Ed. Curriculum Framework" conducted during 27.03.2015 and 28.03.2015. 150 participants participated.

**28. Code of ethics for research followed by the departments:** Yes.

- i. Candidates are selected based on the entrance exam conducted by the Department. The entrance exam includes both written and oral through which their research aptitude are tested.
- ii. Periodical review meeting is conducted by the Department to check their research progress. The committee consists of the Head of the Department, the Guide and one Subject expert.
- iii. Pre- Viva-Voce is conducted prior to the submission of the thesis.

**29. Student profile programme-wise:**

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Ed.	40	04	14	(I-Batch of the programme going on)	
M.Phil.	38	05	10		
Ph.D.	20	08	05		

**30. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Ed.	04%	96%	Nil	Nil
M.Phil.	0	100%	Nil	Nil
Ph.D.	40%	60%	Nil	Nil

**31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

NET Cleared- 4; SET Cleared- 1; JRF- 2

**32. Student progression ( N.A)**

	Percentage against enrolled
UG to PG	NIL
PG to M.Phil.	
PG to Ph.D.	25%
Ph.D. to Post-Doctoral	NIL
Employed Campus selection	
Other than campus recruitment Entrepreneurs	

**33. Diversity of staff**

Percentage of faculty who are graduates of the same university	ONE	25 %
from other universities within the State	THREE	75%
from universities from other States	NIL	---
from universities outside the country	NIL	---

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil****35. Present details of departmental infrastructural facilities with regard to**

- Library: 200 book
- Internet facilities for staff and students: Nil
- Total number of class rooms: One
- Class rooms with ICT facility: Nil
- Students' laboratories: Psychology Lab
- Research laboratories: N.A

**36. List of doctoral, post-doctoral students and Research Associates**

- from the host institution/university: 2
- from other institutions/universities: 20

**37. Number of post graduate students getting financial assistance from the university: One****38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

YES, Personal Interview with Principals of Colleges of Education

**39. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes. Feedback received from the peer and it is utilized for rectifying the lacunae in the teaching-learning and evaluation strategy (Hands on training on SPSS & ICT)
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes. The feedback received from students is used to update the various strategies, techniques and methods in teaching learning and evaluation.
- c. alumni and employers on the programmes offered and how does the department utilize the feedback?** Yes. The feedback of alumni and employers will be used to introduce new courses based on the demand and need of the society.

**40. List the distinguished alumni of the department (maximum 10):**

Since the Department is a newly instituted (year, 2012) one and the PG Course has been started only in 2014-15 academic year this is not applicable to the Department of Education.

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- National Seminar on 'Education for Elevation' conducted during 14.04.2013 and 14.04.2013. 100 participants participated.
- National Seminar on Teacher Education towards Preparing Professional and Humane Teachers' conducted during 08.03.2014 and 04.03.2014. 150 participants participated.
- National Workshop on "2 Year M.Ed. Curriculum Framework" conducted during 27.03.2015 and 28.03.2015. 150 participants participated.

**42. List the teaching methods adopted by the faculty for different programmes.**

Lecture, Assignment, Laboratory, Seminar & Project Method

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?** By Formative Evaluation**44. Highlight the participation of students and faculty in extension activities:** Nil**45. Give details of "beyond syllabus scholarly activities" of the department:**

The curriculum of the B.Ed. and M.Ed. programmes of the Department have been revised as per the recommendations of the NCFTE, 2009 and evaluated by the national and international experts.

**46. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:** No**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- i) Adopting new methods of teaching ii) Faculty advisor for each programme iii) Placement advisor for each programme iv) Compulsory weakly seminar programme v) Dissertation work for M.Ed. Students with an insight into understanding the intricacies of educational research vi) Supporting students to undergo summer training in media centers

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths-** i) Qualified and experienced faculty ii) Curriculum as recommended by NCFTE, 2009. iii) Compulsory internship training and field work in schools iv) Development of Question Banking for Teacher Education Curriculum. v) Development of Media based learning materials

**Weaknesses-** i) lack of space ii) lack of qualified administrative staff, iii) need for international explorations iv) need for trained technical personnel v) lack of interaction with funding agencies

**Opportunities-** i) Development of e-content in various subjects at UG and PG levels, ii) Development and Validation of computerized question banking, iii) Organizing Net forum in discussing latest developments in Education. iv) Submitting proposals to international organizations viz., UNESCO/World Bank, v) Establishment of School of Education as envisaged by the UGC.

**Challenges-** i) Production of Teacher Educators as envisaged by the Justice Varma Commission, ii) Exploring possibilities for the placement of the scholars, iii) getting funds from international organizations for collaborative projects, iv) getting funds for developing specialized skills among faculty members v) bringing international experts in the field of teacher education to the department with a view to faculty exchange among the institutions.

**49. Future plans of the department.**

- i) Production of Teacher Educators as envisaged by the Justice Varma Commission,
- ii) Exploring possibilities for the placement of the scholars
- iii) getting funds from international organizations for collaborative projects
- iv) getting funds for developing specialized skills among faculty members
- v) bringing international experts in the field of teacher education to the department with a view to faculty exchange among the institutions.

### **Department of Extension and Career Guidance**

1. **Name of the Department :** Department of Extension and Career Guidance
2. **Year of establishment :** 2002 Earlier called as Adult and Continuing Education since 1986
3. **Is the Department part of a School/Faculty of the university? :** School of Education
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
  - M.A. and M.Phil. in Career Guidance
  - P.G. Diploma and Ph.D. in Extension and Career Guidance
  - Bachelor of Vocation in Business Process and Data Analytics & Multimedia and Animation to be offered from the year 2015 onwards
5. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
The department has worked with the Industries like TCS, Infosys, HCL and TSSC to introduce short term courses / Certificate courses for the Skill development of the Undergraduate students. The following programmes were offered from 2012 - 2013 onwards
  - Global Business Foundation Skills (GBFS) – Infosys, Bangalore
  - BPS in Finance and Accounting – Tata Consultancy Service
  - Campus to Corporate – Tata Consultancy Service
6. **Details of programmes discontinued, if any, with reasons :** NA
7. **Examination System:** Semester and Choice Based Credit System
8. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1 + 1 * under CAS retired in the month of June 2014
Associate Professors	1	1	1
Asst. Professors	1	1	1
Asst. Professor- B.Voc	2	1	0
Associate Professor	1	--	--

9. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.M. Jayakumar, Professor and Head	M.A.(Ling.) M.A. (Socio.), Ph.D. (Ling.)	Language Teaching and Educational Evaluation	TE: 25 RE: 29	Ph.D. : 6 M.Phil. : 6
Dr.M. Padmanaban, Professor Retired on 30.6.2014	M.A., M.Phil., Ph.D.	Rural Sociology, Tribal Studies	TE: 21 RE:26	Ph.D. : 2
Dr.A.Vimala, Assistant Professor	MBA.(HR) M.Phil.(HR) PGDCA., Ph.D.(HR)	Human Resource Management	TE: 13 RE: 09	M.Phil. : 6

# 10. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

## Industrial Experts:

1. Dr.Rajiv Noronha, Head – Organisational Effectiveness, BPS, TCS
2. Mr.Ramachandran, Deputy General Manager, HCL, Coimbatore
3. Mr.Gopalakrishnan Sethuraman, Head, F&A, Center for Excellence TCS, Chennai
4. Mr.Ravishankar, Associate V.P., and Head, Data Analytics Division, Infosys BPO, Bengaluru
5. Ms.Reena Ravi, Project Lead, Infosys BPO, Bengaluru
6. Mr.Srinivasa Raju, Regional Manager, UTL Tech., Bangalore
7. Mr.Srinath Narayan, Associate V.P., TCS BPO, Chennai
8. Mr.Jayashankar, Regional Head (Process), NTT Data, Bangalore
9. Mrs.Shyama Iyer, National Co-ordinator-Training, Spoken-tutorial.org, IIT, Bombay
10. Ms.Sujatha, C.S.Head, Global Client Operations, Infosys BPO
11. Ms.Vaishali Amrute, Sr. Manager, CSR and Diversity, Infosys BPO

# 11. Percentage of classes taken by temporary faculty – programme-wise information: NA

## 12. Programme-wise Student Teacher Ratio (2014-2015)

The department is taking care of Extension activities and also it offers Supportive papers for other department students.

Supportive papers : 126 : 2  
Ph.D. : 9 : 3

# 13. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Administrative staff	Sanctioned	Filled
Assistant	1	1
Office Assistant (Daily wage basis)	1	1

# 14. Research thrust areas as recognized by major funding agencies

- a) Continuing education and career counseling
- b) Online Career Guidance
- c) Finishing school,
- d) Soft skill development
- e) Entrepreneurship development – Web Designing,
- f) Drug Abuse among the Employees in BPO and
- g) Work life balance among the women employees in service sectors

# 15. Number of faculty with ongoing projects from

- a) National : Ongoing - 2
- b) International funding agencies : Nil.
- c) Total grants received : 13,58,600

Give the names of the funding agencies, project title and grants received project-wise

S.No	Year of sanction	Title of the project	Name of Investigator	Funding agency	Grants received	Status of the project
1.	Feb 2012	Drug abuse among the employees in BPO	Dr. M.Padmanabhan	UGC, New Delhi	Rs.6.2 Lakhs	Ongoing
2.	September 2014	Impact of Stress on Work Life Balance	Dr.A.Vimala	UGC, New Delhi	Rs.6.92,600	On going
3.	Feb.2014	Life Skill for Self Development	Dr.A.Vimala	UGC, New Delhi	1,00,000	Ongoing
4.	2009 onwards until further order	Anna Civil Services Coaching Academy	Dr.M.Padmanabhan	Govt. of TN	7 Lakhs Per annum	Ongoing



**16. Inter-institutional collaborative projects and associated grants received: Nil**

**17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:**

Sl. No	Sanctioned year	Title of the Project	Name of the Co-ordinator	Funding agency	Grants received	Status of the project
1.	2012	Lifelong Learning & Extension	Dr.M.Jayakumar	UGC, New Delhi	Rs.15 Lakhs	Completed
2.	June 2014	Bachelor of Vocation (Business Process & Data Analytics) & (Multimedia and Animation)	Dr.M.Jayakumar	UGC, New Delhi	Rs.1.83 Lakhs	Ongoing

**18. Research facility / centre with :** Career Guidance Research facilities are available

**19. Special research laboratories sponsored by / created by industry or corporate bodies :** Nil

**20. Publications:**

Sl. No	Publications		Dr.M.J.	Dr.M.P	Dr.A.Vimala
1.	*Number of papers published in peer reviewed journals (national / international)	National	01	-	04
		International	-	-	03
2	Number of papers published in ISBN / ISSN journals (national / international)	National	03	04	03
		International	04	06	07
3	*Chapters in Books		-	-	Chapter 9: Qualities of Entrepreneur Chapter 10:Types of Entrepreneur
4	*Edited Books		-	-	A Manual for conducting EDP, Govt. of T.N.
5.	*Books with ISBN with details of publishers		-	-	1 – Planning and Managing projects (P6) ISBN:978-93-80195-01-8 Vagai Publishers, TN
6	*Impact Factor – range / average		-	-	1.2265

**21. Details of patents and income generated : Nil**

**22. Areas of consultancy and income generated : Nil**

**23. Faculty selected nationally / internationally to visit other laboratories /Institutions / industries in India and abroad**

Name of the faculty	National
Dr. M. Jayakumar	Infosys P. Ltd., Bangalore
Dr. M. Jayakumar	Gujarat Round Table Conference on BPS Curriculum
Dr. A. Vimala	Co-organizer cum Participant, Project Genesis – FDP at Infosys P. Ltd., Mysore
Dr. A. Vimala	Resource person, Orientation for P.G. and Research Scholars, University of Madras, Chennai
Dr. A. Vimala	Resource person, Opening of Career Guidance Cell in Dravidian University, Kuppam, Andhra Pradesh
Dr. A. Vimala	Resource person, Inauguration of Career Guidance Cell and FDP for the faculty, Gandhigram Rural University, Dindugul
Dr. A. Vimala	Co-organizer, Project Genesis- Infosys started at Mysore campus
Dr. A. Vimala	Member, Curricula preparation for (Insurance), Infosys, Bangalore

## 24. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S.No.	UPSC / TNPSC / BPSC
1.	<b>Dr.M.Jayakumar : 03</b> Academic Co-ordinator, Curriculum preparation of Logistics and Insurance related to BPO, Infosys Pvt. Ltd., Bangalore. Academic Co-ordinator, Curriculum preparation of Finance and Accounting, TCS BPO, Tata Consultancy Ltd.Chennai. Co-ordinator for introducing 3 years degree course in Autonomous colleges of Bharathiar University. The courses are BBA (BPM) and B.Com (BPS).
2.	<b>Dr.A.Vimala :04</b> Member, Curriculum preparation of Logistics and Insurance related to BPO, Infosys Pvt. Ltd., Bangalore. Member, Curriculum preparation of Finance and Accounting, related to BPO, Tata Consultancy Ltd. Chennai Member in the Board of BBA (BPM) and B.Com (BPS) in affiliated colleges of Bharathiar University (4 Autonomous colleges)

## 25. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

### Workshop/ Short term courses

Sl.No.	Courses	Details
1.	Workshop	<b>Dr.A.Vimala -04</b> Workshop on “Educational Leadership ” at BU, Coimbatore from 28-29.01.2014 Workshop on “Positive Attitude and Constructive Thinking” at B.U, Coimbatore on 30-31 and 1.8.2012. Research Methodology and statistical analysis” at Karpagam Arts and Science College, Coimbatore on 13-16th June 2005. Management faculty on professional pedagogy skills”, Sree Saraswathi Thyagaraja College, Coimbatore on 28-29th June2006.
2.	Refresher Courses	<b>Dr.A.Vimala -02</b> Refresher course in Academic staff College, B.U., Coimbatore from 01-1.02.2013. Refresher Course on Infosys Project Genesis” from 13-14.09.2013 at Coimbatore.
3.	Orientation Program	<b>Dr.A.Vimala -01</b> Orientation course in Academic staff College, B.U., Coimbatore from 09.06.2011-06.07.2011
4.	Short-term courses	<b>Dr.A.Vimala -06</b> “E-content Development” at Academic Staff College, Bharathiar University, 12-14.02.2014. Preparation of Teaching Plan” – IQAC on Bharathiar University on 17.12.2013. “Campus to Corporate” – TCS by the TATA Consultancy Services Limited at Sri Krishna Arts and Science College, Coimbatore from 21-25.01.2013 Participated in the Training programme on “Gender Sensitivity” organized by the Department of Women’s Studies conducted at B.U., Coimbatore on 21.01.2014 Finance and Accounting” organized by the Tata Consultancy Services Ltd., (TCS), Chennai at PSGR Krishnammal College, Coimbatore from 20th to 25th August 2012. “Global Business foundation Skills (GBFS)” Conducted by Infosys BPO, Bengaluru. From 9th June 2014-19th June 2014.

## 26. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : Nil
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

## 27. Awards / recognitions received at the national and international level by

- Faculty : - Nil
- Doctoral / post doctoral fellows – Nil.
- Students : Nil

## 28. Seminars / Conferences / Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

S.No.	Title of the Programme	Date	Venue	Funding agency	No. of participants
Conferences-1	Skills Conclave for students	09.10.2014	B.U	B.U	800
	Virtual Learning – learn	19.07.2014	Le-Meridian	TCS	152
	bharathi	04.03.2015	B.U.	IIT, Bombay	65
	Spoken-tutorial - Software learning	16.03.2015	B.U.	UTL	110
Workshop- 05	Skills Conclave 2015				
	-6 <sup>th</sup> Workshop on Social Science Research	22.06.2011 to 25.06.2011	Bharathiar University, Cbe	UGC New Delhi	50
	Methodology and Use of SPSS Software and data analysis	20-25.08.2012	PSGR Krishnammal	TCS	30
	-Application of Finance and Accounting in Backend operations	02-12.01.2013	Bharathiar University, CBE Infosys, Mysore	Infosys	62
	-Project Genesis	21-25.01.2013	Sri Krishna college	TCS	30
	-Campus to Corporate	06-09.05.2013	Bharathiar University, Cbe	UGC, New Delhi	40
	-7 <sup>th</sup> Workshop on Social Science Research	09-13.12.2013	B.U.	UGC, New Delhi	44
	Methodology and Use of SPSS Software and data analysis	21.11.2013 to 19.12.2013	B.U	Govt. of T.N	28
	-8 <sup>th</sup> Workshop on Social Science Research	19-30.1.2014	Infosys, Mysore	Infosys	60
	Methodology and Use of SPSS Software and data analysis	9-19.6.2014	Kovai Kalaimagal college	Infosys	80
	-Web Designing programme	5-22.1.2015	B.U	Govt. of T.N	25
	-Project Genesis				
	-Global Business Foundation Skills				
	-Entrepreneurship Development Programme for SC Candidates				

**29. Code of ethics for research followed by the departments :**

The ethics pertaining to Social Science Research is followed.

**30. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Completed / Ongoing
		Male	Female	
Ph.D. in Extension and Career Guidance	8	5	3	Ongoing

**31. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ph.D. in Extension and Career Guidance – Percentage of students : %(5 students) 5/16 = %	-	80%	20%-	-

**32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil.**

**33. Student progression**

PG to Ph.D.	5 students
Employed	2 scholars, who completed Ph.D & they placed in Reputed Institutions as Associate Professors and Placement Directors
<ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment</li> </ul>	

**34. Diversity of staff : Nil**

**35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Faculty: one – Ph.D. awarded in 2010**

**36. Present details of departmental infrastructural facilities with regard to**

- Library :** Departmental Library with 500 related books and publications
- Internet facilities for staff and students:** Each faculty has computer with internet access
- Total number of class rooms:** 3 class rooms
- Class rooms with ICT facility:** E-learning lab and Career Guidance lab
- Students' laboratories:** 3
- Research laboratories:** 1 room for Research fellows

**37. List of doctoral, post-doctoral students and Research Associates**

- from the host institution/university : Nil**
- List of Doctoral from other Institutions / Universities: 13**

**38. Number of post graduate students getting financial assistance from the university: Nil**

**39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes**

In the academic year 2012-13, more than 28,000 number of students of affiliated college were assessed and found their skill ability on the basis of research, the dept. introduced skill based subjects like Campus to Corporate, GBFS and Certificate course as Finance and Accounting, etc.

**40. Does the department obtain feedback from : Obtained feedback and necessary action taken.:**

Yes, Feedback obtained and necessary action taken

**41. List the distinguished alumni of the department (maximum 10) :**

1. Dr.J.Vijayalakshmi, Placement Director, CIMAT, Coimbatore
2. Dr.K.Mangayarkarasi, Associate Professor, KPR Institute of Management, Coimbatore

**42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:****Special Lecture / Workshops**

1. Skills Conclave , Star programme – UTL - 12<sup>th</sup> March 2014 and 16<sup>th</sup> March 2015
2. Initial Learning Programme (ILP) for students selected in Campus recruitment by TCS
3. Affirmative action for SC/ST Minority and economically weaker sections.
4. Project Genesis offered by Infosys for faculty and students

**Industry Institute Curriculum introduced for student skill enhancement. They are**

1. GBFS with Infosys
2. Finance and Accounting with TCS
3. Campus to Corporate with TCS

**43. List the teaching methods adopted by the faculty for different programmes.**

- Lecture method
- Small Group Discussion
- Case Analysis
- Other experiential learning Methods like Role-play

**44. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Every year approximately 1300 to 1500 students placed in recruited multi-national companies. This indicates the performance of the placement officers of affiliated colleges of BU, who are oriented by our department.

**45. Highlight the participation of students and faculty in extension activities:-**

Extensive activities done by the faculty members in the department are:

Placement Drive

Industry – Institute Curriculum preparation

Training for Student Career preparation

Faculty Development - GBFS, Campus to Corporate, Project Genesis, Finance and Accounting

**Consolidated Report****Consolidated report for Students participated and benefitted through Career Guidance programme**

No. of Events organized	No. of students benefitted
55	10565

**Consolidated report for Faculty members participated and benefitted through FDP and Workshop**

No. of Events organized	No. of Faculty members benefitted
25	1345

**Consolidated report for Students participated and selected through Mega Placement Event**

No. of Events organized	No. of students participated	No. of students selected
24	63,335	8512

**Finishing School Programme for Students:**

No. of Events organized	No. of students benefitted
07	1240

**Affirmative programme for SC ST Minorities and Economically weaker Sections**

No. of Events organized	No. of students benefitted
11	742

**Finishing School Programme for Faculty Members:**

No. of Events organized	No. of Faculty benefitted
05	242

**46. Give details of “beyond syllabus scholarly activities” of the department.**

1. The research scholars are involving in coaching the students of affiliated colleges in mathematical aptitude, general English and personality development and Career preparation.
2. They were allowed to participate in Faculty Development Programmes organized by our department.
3. They are actively involved in pursuing research apart from their curriculum?

**47. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: Nil****48. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department has developed a Website named careersite.com with career preparation tips and students' database
- Prepared and published a book titled “A Handbook on Graduate Aptitude”
- Taken initiative in introducing three year degree programme called BBA (BPM), B.Com (BPS) to the BU affiliated colleges and initiated a new course called Remote Infrastructure Management (RIM) will be offered from the academic year 2015 onwards.
- Skill development – UTL
- Virtual learning TCS iON
- Signed MoU with TCS, Infosys, HCL, UTL and TSSC – Electronic Sector Skill Council for the Industry-institute partnership.

**49. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:****Strengths**

1. The department has taking the initiatives in skill development. For this the department is working more than five years in bringing the students skill level to meet the industry expectation and also signed MoU with 5 leading Multi-national companies like TCS, HCL, Infosys, Telecom Sector Skill Council, TCS iON for industry –Institute collaboration, Curriculum preparation and Student recruitment.
2. Trained more than 10,000 students through careersite.com (online Coaching) – created by the department.
3. The department has trained 377 faculty members for various affiliated colleges in the context of aptitude, Communication skill development in the new concept and corporate etiquette.

**Consolidated report for Faculty members participated and benefitted through FDP and Workshop**

No. of Event organized	No. of Faculty members benefitted
07	349

### Consolidated report for Students participated and selected through Mega Placement Event

No. of Event organized	No. of students participated	No. of students selected
07	19,639	2869

4. The department has good rapport with the Companies like TCS, HCL, Wipro, Infosys, etc. to give sustainable employment opportunities to the students and the FDP for faculty members.
5. The department has introduced two **degrees** with the collaboration of TCS namely
  1. BBA(BPM)
  2. B.Com(BPS)

Faculty members of various disciplines were oriented with the following Companies:

#### I. Infosys

1. Project Genesis
2. Global Business Facilitation Skills(GBFS)

#### II. Tata Consultancy Limited

1. Finance and Accounting – Tata Consultancy Pvt. Ltd.
2. Campus to Corporate – Tata Consultancy Pvt. Ltd

#### III. TCS iON

Virtual learning through learnbharathi portal - 163 faculty members from 52 affiliated colleges were trained in the concept of virtual learning.

#### Weaknesses

1. Inadequate staff
2. Inadequate use of Technology tools to reach larger volume.

#### Opportunities

**The department have opportunity to work with companies for**

- Innovative Research
- CSR Initiatives
- Skill Based Curriculum Preparation
- Industry Institute Collaboration
- Internship cum Recruitment
- Joint Skill sets Assessment

#### Threats

- Inadequate faculty members to train the students
- Skill mismatch between the Industrial demand and the Institution output.

#### 50. Future plans of the department:

To run a B.Voc. in (Business Process & Data Analytics) and (Multimedia and Animation) e-learning programme and M.Voc for the academic year 2015 onwards.

### **Department of Communication and Media Studies**

1. **Name of the Department :** Communication and Media Studies
2. **Year of establishment :** MAY, 2008
3. **Department comes under:** School of Educational Studies, Social Sciences faculty.
4. **Names of programmes offered (PG, M.Phil., Ph.D.)**
  - i. PG – MJMC (Master of Journalism and Mass Communication)
  - ii. M.Phil., – Journalism and Mass Communication
  - iii. Ph.D., - Journalism and Mass Communication
5. **Details of programmes discontinued, if any, with reasons:** NA
6. **Examination System:** Semester System under Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) till date:**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	2008	--	--
Reader / Associate Professors	2008	1 (May, 2008)	1
Assistant Professors	2008	2 (Feb. 3 <sup>rd</sup> , 2009, March, 1 <sup>st</sup> 2011)	2

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching:**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. P.E. Thomas, Associate Professor & Head I/c	M.A. M.Phil., Ph.D	New Media & Information Society	Teaching -26 yrs. Research- 20 yrs.	Ph.D.- ,M.Phil.-3 Submitted - 2 Synopsis - 1
Dr. M. Sri Hari, Assistant Professor	M.A. Ph.D.	New Media in Rural Development	Teaching - 7 yrs. Research - 7 yrs.	Ph.D – Synopsis - 1 M.Phil – 1
Ms. Sandeep Kaur, Assistant Professor	M.A., M.Phil.	New Media in e-governance & Media Convergence	Teaching -2 Years Research - 2 Years	M.Phil Completed- 1 Submitted - 2

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors Visiting Fellows**

1. Mr. Saravanan, Head of the Department, Film Technology, SAE Technologies, Bangalore.
2. Mrs. Anju Chandrasekar, Creative Design Trainer of Fevicryl and Colman (Pidilite Industries)
3. Mr. D Suresh Kumar, Deputy News Editor, The New Indian Express
4. Mr. Shyama Prasad, Film Director, Trivandrum
5. Mr. Anjesh, Communication Trainer for corporate organizations, Coonoor
6. Dr. S. Arulselvan, Associate Professor, Pondicherry University.

10. **Percentage of classes taken by temporary faculty–programme-wise information:** 20%

11. **Programme-wise Student Teacher Ratio**

Sl. No.	Ratio
MJMC	18:1
M.Phil.	3:1
Ph.D.	8:1



**12. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

Post	Sanctioned	Filled
Technical Staff	1	1
Administrative Staff	2	2

**13. Research thrust areas as recognized by major funding agencies: NA**

**14. Number of faculty with ongoing projects: NA**

**15. Inter-institutional collaborative projects and associated grants received: NA**

**16. Department projects funded by DST=FIST, UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc; total grants received: NA**

**17. Research facility / Centre with/State/National/International recognition: NA**

**18. Special research laboratories sponsored by / Created by industry or corporate bodies : NA**

**19. Publications:**

Sl.No	Published in Faculty	Dr.P.E.Thomas	Dr.M.Sri Hari	Ms.Sandeep Kaur
1.	Number of papers Published in Peer reviewed Journals (National/International)	13	6	4
2.	Monographs	-	-	-
3.	Chapters in Books	7	-	-
4.	Edited Books	1	1	-
5.	Books with ISBN with details of publishers	-	-	-
6.	Number listed in International Database	-	-	-
7.	Citation Index – Range / Average	-	-	-
8.	SNIP / SJR	-	-	-
9.	Impact Factor – range / average	-	-	-
10.	H-index	-	-	-

**20. Details of patents and income generated: Nil**

**21. Areas of consultancy and income generated: Nil**

**22. Faculty selected nationally/internationally to visit other laboratories/Institutions: Nil**

**23. Faculty serving in:**

	Faculty Name	Faculty Name	Faculty Name
National	-	-	-
International	-	-	-
Editorial Board	Dr.P.E.Thomas (2)	Dr. M.Sri Hari (1)	Ms. Sandeep Kaur (1)
Any Other	-	-	-

**Dr.P.E.Thomas**

1. Member of Editorial board, Journal of Media Studies, Department of Communication Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu.
2. Editor, Handbook of Research on Cultural and Economic Impacts of the Information Society, IGI Global Publications, Hershey, Pennsylvania, 2015.

**Dr. M.Sri Hari**

1. Editor, Handbook of Research on Cultural and Economic Impacts of the Information Society, IGI Global Publications, Hershey, Pennsylvania, 2015.

**Ms. Sandeep Kaur**

1. Editor, Handbook of Research on Cultural and Economic Impacts of the Information Society, IGI Global Publications, Hershey, Pennsylvania, 2015.

**24. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)**

Name & Designation of the Faculty Member	Orientation	Refresher	Workshop	Training Programme	Date & Duration	Name & Place
Ms. Sandeep Kaur				Faculty Development Programme	16.05.11 to 24.05.11	UGC – Academic Staff College, BU, Coimbatore
Ms. Sandeep Kaur	93 <sup>rd</sup> Orientation				08.05.12 to 04.06.12	UGC Academic Staff College, BU, Coimbatore
Dr. M. Srihari			Administration & Development of Distance Education System		27.03.13 & 28.03.13	School of Distance Education, BU, Coimbatore
Dr.M.Srihari		Human Rights			05.11.14 to 25.11.14	UGC – Academic Staff College, Pondicherry University, Puducherry

**25. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects PG: 95.5%, M.Phil.: 38%, PhD: 12.5%
- Percentage of students doing projects in collaboration with other universities / industry / institute – 6%.

**26. Awards / recognitions received at the national and international level by Faculty / Doctoral / post doctoral fellows / Students: Nil**

**27. Seminars / Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- International seminar on "Environmental Journalism" (Jaffna University) on 28.10.2011, No. of participants – 105
- Regional - Media Reportage: Then and Now on 12<sup>th</sup> and 13<sup>th</sup> Jan. 2012, No. of participants – 40
- International seminar – topic “Knowledge Gap and the Wired Society, Migration and Integration in Switzerland” during 13.3.2012, No. of participants – 40
- Regional Seminar - Adobe - Software to enhance the learning process through Technology enabled Education, during 17.03.2012, No. of participants – 90
- Workshop Regional - “Right to Education and the Role of Media” – in collaboration with UNICEF and Press Trust of India, Workshop for Professional Journalists on 10.10.2012, No. of participants – 63
- State level Inter - Collegiate Photography Competition and Exhibition PINHOLE’13, during 19<sup>th</sup> and 20<sup>th</sup> September, 2013 - No. of participants – 478
- National Conference – topic “Digital Cultures: Intersections of Tradition and Modernity” on 7<sup>th</sup> and 8<sup>th</sup> February, 2014 - No. of participants – 200

## 28. Code of ethics for research followed by the departments

- To ensuring that the research work is original, the student is required to make a presentation of the concept, theoretical framework and list of reviews.
- In order to avoid plagiarism, adherence to providing credit to all citations in the work is mandatory.
- Bibliography must be complete in all respects following either APA or MLA style sheet. The list given in the list must find an appropriate citation within the research report.
- Methodology of the study must adhere to any of the accepted ones used by previous researchers or theoreticians.

## 29. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG MJMC - 2014-15	61	21	16	60	75
M.Phil., 2014	4	-	1	-	-
Ph.D. , 2014 – October Session	2	-	1	-	-

## 30. Diversity of students

Name of the Programme	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
PG - MJMC 2014 - 15	61	21	16	60	75
M.Phil. 2014	4	-	1	-	-
Ph.D. 2014 October Session	2	-	1	-	-

## 31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Name of the Student	PG / M.Phil. / Ph.D.	NET, SET, GATE	Year of Passing
Mr.G. Suresh Kumar	Ph.D.	UGC – NET with JRF	June, 2011
Ms. Sinju Maria George	PG	NET	June, 2011
Mr. V. Vikash	M.Phil.	SET	May, 2012
Mr. Jobin Joy	Ph.D.	SET (Tamilnadu, Kerala)	October, 2012
Mrs. Sujala Nair	Ph.D.	SET	October, 2012

## 32. Student progression:

Student	Percentage against enrolled
PG to M.Phil.	25%
PG to Ph.D.	6.25%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	
• Other than campus recruitment	76%
Entrepreneurs	10%

## 33. Diversity of staff :

Percentage of faculty who are graduates	
From the same University	3
From other Universities within the State	NIL
From Universities from other States	NIL
From Universities outside the Country	NIL

## 34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: NA

**35. Present details of departmental infrastructural facilities with regard to**

- a) Library – Yes – 324 Books
- b) Internet facilities for staff and students –Teaching Staff-1, Non-Teaching Staff -1, Students-5
- c) Total number of class rooms – 2 Nos.
- d) Class rooms with ICT facility – 1
- e) Students’ laboratories – 1 Media Lab
- f) Research laboratories – Not Applicable

**36. List of doctoral, post-doctoral students and Research Associates: Nil****37. Number of post graduate students getting financial assistance from the state university**

Batch	BC	MBC	SC/ST	Total
2011-12	3	1	-	4
2012-13	3	2	4	9
2013-14	3	2	6	11
2014-15	7	2	-	9
Total				33

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Even though the department did not commence any new programme besides its existing post graduate course Master of Journalism and Mass Communication, it continues to solicit information informally from students who have been placed in the industry so as to help evaluate the existing curriculum and incorporate changes whenever and wherever required. Besides, interaction with experts in the industry results in making valuable changes in the curriculum which is based on the feedback of students’ performance at the internships.

**39. Does the department obtain feedback from:**

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The Department obtains feedback from faculty and media professionals on the curriculum as well as teaching-learning methods by inviting experts to offer their valuable suggestions on the syllabi that get recorded during the Board of Studies meetings in the form of minutes.

- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Regular feedback is obtained from students on the faculty and curriculum for evaluating the individual performances of the faculty in rendering their course content. The feedback is used for self-evaluation and is tabled at the department meeting to initiate corrective measures where needed.

- c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Effectiveness of the curriculum is obtained from the alumni and employers for further enhancement of the curriculum to meet industry requirements. The department manages to keep pace with the happenings in the industry through continuous interaction with the alumni and potential employers. To cite a case, our students were assigned to orient the staff of a newspaper in the application of software (In design) for newspaper page layout and design.

#### 40. List the distinguished alumni of the department (maximum 10)

Having completed only six years of its existence, the department's alumni are in the initial phase of their career and are yet to take up positions at decision-making levels. However, the following is the list of few of the noteworthy alumni who hold pivotal positions in their organizations:

S.No.	Students Name	Placement
1.	Gokul K	Entrepreneur – Printing Press
2.	Greeshma V.R	Sub editor 'Yatra Magazine', Cochin
3.	Merlin Babu	Short Film/Corporate Film Producer, Bangalore
4.	Shijin Varghese	Entrepreneur –Proprietor of Editing Studio, Dubai
5.	Jinu. M. Narayanan	Travel Log Writer (History Channel)
6.	Ramachandran. P	Major, Indian Army
7.	Jansimalashree V	Legal Reporter - Puthia Thalaimurai
8.	Shreejaya Nair J.S	Reporter - Deccan Chronicle, Chennai
9.	Dennis A	Entrepreneur
10.	Sakthivel K	Reporter – Dinamani, Chennai

#### 41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

##### Regional General Seminar

Conducted a regional Seminar on “Media Reportage Then and Now” during 12-13 January 2012

Sl. No	Name & Address of the Guest Lecturer / Visiting Faculty	Date & Time	Topic on which the lecture is delivered	No. of Participants	Special lecture/ Seminar/ Workshop
1.	Mr. Saravanan, Head of the Dept. Film Technology, SAE Technologies, Bangalore	2010-2015	Lighting effects of Photography, Basics of Photography, Composition and Framing, Film Scripting and Production, Principles of Visualising, Video Editing on Final Cut Pro	40 and 54	Workshop, Guest Lecture Cum Workshop
2.	Mrs. Anju Chandrasekar Creative Design Trainer of Fevicryl and Colman (Pidilite Industries)	05.1.12 to 07.1.12	Special effects and lighting in Photography	40	Workshop
3.	Mr. V. Palaniappan, Photo Journalist, The times of India	17.08.10	Photo Journalism – Wild Life	40	Seminar
4.	Mr. S. Suresh Babu Senior Manager, Sales and Marketing	19.8.10	Printing Technology	40	Seminar
5.	Mr. Vijay Mohan, Photographer	6.9.10	Indoor settings in Photography	40	Workshop
6.	Prof.R.Chandrasekhar	21.9.10	Research in Social Sciences	40	Seminar
7.	Mr. Nandakumar Chandrasekhar	22.09.10	Web Designing	40	Seminar
8.	Ms. Lalitha S Senior Reporter, Deccan Herald, Bangalore	28.09.10	Editorial Concepts	40	Workshop
9.	Mr.D.Suresh Kumar, Deputy News Editor, The	12.01.12, 13.01.13	Media Reportage: Then and Now, Printing	40	Seminar

	New Indian Express Mr. D. Daniel Raj, Senior Reporter, Mrs. Subha J Rao, Assistant Editor		Technology and its developments, Reporting techniques		
10.	Mr. Shyama Prasad	23.01.12, 24.01.12	Film appreciation and Production	40	
11.	Mr. Ashwin Naidu	11.03.13	Wild Life Photography	43	Workshop
12.	Mr.C.Seetharaman Chairman, Campus Images, Mr. Rajesh, Head, Animation & VFX, USA, Mr. Ravi Kant Bahl Chairman, Mages, Singapore	22.02.13	Animation and Gaming	43	Seminar
13.	Mr. Anjesh	14.03.13, 15.03.13	Communication Skills	43	Lecture Cum Training
14.	Mr. R. Rajesh	13.03.14, 14.03.14	Web Designing	41	Special Lecture
15	Dr. S Arulselvan	22.08.14, 23.08.14	Use of LMS and E-content in teaching – learning process	54	Special Lecture

**42. List the teaching methods adopted by the faculty for different programmes.**

Each faculty adopts various modes of imparting value-added knowledge to the student's interms of theory through practice. Tutorials are prepared on the course content in the field of print journalism and design software through an extensive research in the subject area.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Each faculty monitors the learning outcome of students through a post-teaching evaluation. Students are lectured for bilingual (Tamil & English) the day and the content summary is tested to ensure the retention ability of each student. Both, the traditional chalk and talk method and power point presentations are used to help students to effortlessly take hold of the information. Apart from the lectures, students are provided specific topics for presentations which are judged by the faculty for their understanding of the topics.

**44. Highlight the participation of students and faculty in extension activities.**

1. Ms. Shashi Rekha of II MJMC (2013-15) was selected by the Ministry of Youth Affairs and Sports to participate in the Global Leader Development Programme in Japan from 22<sup>nd</sup> January to 13 February 2014.
2. Mr. S. Prasath of Ist MJMC (2013-15) participated in the Global Competition "Shell Game Change Programme" for innovative idea organized by Shell Group of Energy and Petrochemical units that have around 87,000 employees in more than 70 countries and territories.
3. In collaboration with Ganga Hospital, Coimbatore, the Department produced a short film on trauma care for the benefit of accident victims with a view to alleviating their fears on the surgery, treatment, and post-surgery care in 2011.
4. The department produced a documentary film on the working of a tribal school involved in non-formal education at Anaikatty, Tamilnaduin 2011. The students involved in the project were Mr. P.Ramachandran, Geetha P.G and Jinu M Narayanan.
5. The students Mr. Dennis, Gowri B and Gowsalya S produced a documentary film "Pee Manam" on manual scavenging in Coimbatore in November 2013. With the objective of creating awareness on the hardships of those involved, nearly 1200 DVDs of the

same were distributed among officials, general public, and politicians involved in decision-making. The film was also uploaded on UTube which already has over -hits.

6. Donald, Nithyananthan, and Sathyaprabhu, the second year post graduate students have been assigned to participate in a two-year project, in collaboration with IIT New Delhi. The project, funded by International Business Development Center, Canada, involves preparing video data on the effects of micro loans, business training and smart phones on the lives of micro-entrepreneur women in Coimbatore. The project commenced in the month of July 2014.

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

To inculcate reading habits among students on a weekly basis wherein each student would pick up any subject-oriented book and present a five-page summary on a topic. Handwritten content is encouraged for this purpose. Regular Question and Answer sessions followed by interactive group learning are adopted to bring out effective learning among students. Panel discussions, and debating sessions, quiz organized in the department evoked a sense of responsibility among students towards prevalent social issues.

**46. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: NA**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Being in constant touch with the media industry, the department includes changes in content and structure such as the introduction of new software in the practical sessions, regular analysis of media content and paper presentations and publication by research scholars in multi-disciplinary conferences and journals.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department**

**Strengths**

- High quality academic programming at the postgraduate and research level with its alignment with their professional association
- An excellent reputation with a wide range of local and regional media agencies to support student training.
- Faculty with diverse industry and academic experience.
- Student scholarships/fellowships and awards available to support postgraduate and research students.
- Incredibly dynamic and supportive alumni, who contribute to the department activities such as programmes, placement of students, sponsorships, etc.
- Excellent placement record of students

**Weakness**

- Diverse needs and insufficient resources to address students.
- Revision and improvement to keep up with changes in the field and improve course sequencing to help student progression
- Insufficient space for lab equipments
- Lack of off-campus and alternative programming (e.g., on line courses).

**Opportunities**

- Well placed to undertake cross-disciplinary collaboration (research, teaching, service) within and beyond the department in alignment with the university's strategic plans.

- Ability to connect and develop partnerships with the community and a diverse array of agencies around faculty and program expertise.
- The diverse department faculty with well developed international networks that can be used to develop student study abroad opportunities as well as faculty exchanges

**Challenges**

- Many of our competitors have recently developed or are currently developing new state-of-the-art facilities which threaten our competitiveness to maintain cutting edge research and deliver quality programs
- Competition from other institutions who have more diverse programming opportunities and resources for students (e.g., on line courses, blended programs)
- Limited number of qualified applicants for faculty positions in many areas.

**49. Future plans of the department**

- To embark upon both Major and Minor Research projects related to the field of mass media.
- To undertake Book projects for which proposals have already been accepted by leading global publishing houses.
- To implement coursework in Film Production and Printing is in the pipeline.
- To design the curriculum that typifies the working of media houses, for which a typical infrastructure that matches professional media houses is envisioned.



### **Department of Physical Education**

1. **Name of the Department :** Department of Physical Education
2. **Year of establishment :** 2002
3. **Department comes under :** School of Education, Bharathiar University
4. **Names of programmes offered :** B.P.Ed., M.P.Ed., M.Phil., Ph.D.,.
5. **Details of programmes discontinued,**  
D.P.Ed., - due to short of avenues, with reasons if any, further the University is focusing PG courses and Research activities
6. **Examination system:** Semester System under Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	2	2	2
Associate Professors	2	2	2
Asst. Professors	6	6	6
Guest Faculty	2	2	2

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. K. Murugavel, Professor & Director	M.P.Ed, M.Phil., N.I.S, P.G.D.Y.Ed, Ph.D.,	Sports Training, Bio-mechanics, Athletics Football	24	M.Phil. – 5 Ph.D – 5
Dr. S.T.N. Rajeswaran, Professor	M.Com, M.P.Ed, M.Phil., P.G.D.CA, Ph.D.,	Sports Psychology, Biomechanics Athletics	17	M.Phil. – 4 Ph.D – 3
Dr. T. Radhakrishnan, Associate Professor	B.Sc., M.A., M.P.Ed., M.Phil., P.G.D.Y.Ed, Ph.D.,	Sports Physiotherapy & Football	21	M.Phil. - 5 Ph.D - 7
Dr. M. Rajkumar, Associate Professor	B.Sc., M.P.Ed, M.Phil., P.G.D.Y.Ed, Ph.D.,	Test and Measurement & Volleyball	14	-
Dr. R. Annadurai, Assistant Professor	B.Com, B.Ed., M.A, M.P.Ed, M.Phil., NIS, PG.D.FM, PG.DSO, Ph.D.,	Sports Nutrition Volleyball	20	M.Phil. – 6 Ph.D – 1
Dr. P. Anbalagan, Assistant Professor	M.Sc., M.P.Ed, M.Phil., P.G.D.Y.Ed, PG.D.FM, Ph.D.,	Exercise Physiology, Yoga & Basketball, Handball	20	M.Phil. – 4 Ph.D – 9
Dr. G. Kumaresan, Assistant Professor	M.Com, M.P.Ed, M.Phil., P.G.D.Y.Ed, Ph.D.,	Sports Management & Kabaddi,Kho-Kho	15	M.Phil.- 7
Dr. V. Vallimurugan, Assistant Professor	B.A., M.P.Ed, M.Phil., M.Sc., PG.YT, Ph.D.,	Yoga & Hockey, Athletics	14	Ph.D – 2
Dr. P. ManjuPuspha, Assistant Professor	B.Sc., B.P.Ed, M.P.Ed, P.G.D.Y.Ed, P.G.D.C.A., P.G.D.F.M., , Ph.D.,	Exercise Physiology, & Athletics	13	Ph.D – 1
Dr. A.S. Logeswaran, Assistant Professor	B.P.E.S, M.P.Ed, M.Phil., PG.D.CA, PG.D.FM, P.G.D.Y.Ed., Ph.D	Sports Training & Badminton	3	-

**9. Percentage of classes taken by temporary faculty –programme-wise information**

B.P.Ed – Theory - 12% and Practical - 25%

**10. Programme-wise Student Teacher Ratio – 20 : 1**

**11. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	Sanctioned	Filled	Actual
Academic support staff (technical)	-	-	-
Administrative staff	7	5	7

**12. Research thrust areas as recognized by major funding agencies**

Physical fitness, Health, Wellness and Yoga

**13. Number of faculty with ongoing projects from**

a) National funding agencies,

Name of faculty	Total grants received (Rs)	Names of the funding agencies	Project title and Grants received project-wise.
Dr. K. Murugavel	Rs. 4,85,200	UGC- MRP	Geographical based analysis on factors predicting and determining the performance of boys in track and field events- A case study of Tribal area in Tamilnadu.
Dr. T. Radhakrishnan	Rs. 8,20,200	UGC- MRP	A study in determining cardio respiratory fitness and cardiovascular risk factors among college players in Tamilnadu.
Dr. P. Anbalagan	Rs. 4,91,700	UGC- MRP	Wellness course on Physical Health and Mental Health among different Professionals.
Dr. P. Anbalagan	Rs. 16.63	DRDO	Effects of Yoganidra and wellness training programme on selected wellness components among paramilitary personnel.

**14. Inter-institutional collaborative projects and associated grants received**

b) National collaboration

Dr. P. Anbalagan	Rs.16,62,950	DRDO	Effects of Yoganidra and wellness training programme on selected wellness components among paramilitary personnel.
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**15. Department Projects funded by DST-FIST; UGC-SAP / CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Under UGC 11<sup>th</sup> plan grant the department received a sum of Rs 2.75 crores to develop swimming pool of International standard.

**16. Research Facility / centre with State / National recognition: Nil**

**17. Special research laboratories sponsored by / create by industry or corporate bodies: Nil**

**18. Publications:**

\* Number of papers published in peer reviewed journals (national / international)

Name of the Faculty	KM	S.T.N.R	R.T	M.R	R.A	P.A	G.K	V.V	P.M	A.S.L
National	6	8	17	10	2	8	3	18	7	-
International	10	7	6	1	6	1	1	-	1	1

**19. Details of patents and income generated : Nil**

**20. Areas of consultancy and income generated : Nil****21. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad.**

S.No	Name of the Faculty	National level Institutions
1.	Dr. K. Murugavel	a. NCTE and NAAC b. Kannur University, Kannur, Kerala c. Annamalai University, Tamilnadu d. Alagappa University, Tamilnadu e. T.N.P.E.S. University, Tamilnadu f. M. K. University, Tamilnadu g. M. S. University, Tamilnadu h. Y.M.C.A College of Physical Education, TN
2.	Dr. S.T.N. Rajeswaran	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. M. S. University, Tamilnadu f. Y.M.C.A College of Physical Education, TN
3.	Dr. T. Radhakrishnan	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. M. S. University, Tamilnadu f. Y.M.C.A College of Physical Education, TN g. Avinashilingam University, Tamilnadu
4.	Dr. M. Rajkumar	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. M. S. University, Tamilnadu
5.	Dr. R. Annadurai	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. M. S. University, Tamilnadu f. Y.M.C.A College of Physical Education, TN
6.	Dr. P. Anbalagan	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. M. S. University, Tamilnadu f. Y.M.C.A College of Physical Education, TN g. Avinashilingam University, Tamilnadu
7.	Dr. G. Kumaresan	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. M. S. University, Tamilnadu f. Y.M.C.A College of Physical Education, TN g. Avinashilingam University, Tamilnadu
8.	Dr. V. Vallimurugan	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. M. S. University, Tamilnadu
9.	Dr. P. ManjuPuspha	a. Annamalai University, Tamilnadu b. Alagappa University, Tamilnadu

		c. T.N.P.E.S. University, Tamilnadu d. M. K. University, Tamilnadu e. Avinashilingam University, Tamilnadu f. Y.M.C.A College of Physical Education, TN
10.	Dr. A.S. Logeswaran	a. Avinashilingam University, Tamilnadu b. Y.M.C.A College of Physical Education, TN c. T.N.P.E.S. University, Tamilnadu

**22. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)**

S.No	Name of the Faculty	National committees	Editorial Boards
1	Dr. K. Murugavel	NCTE and NAAC	Bharathiar National Journal of Physical Education and Exercise Sciences (BNJPEES)
2	Dr. S.T.N. Rajeswaran	Member in Psychology Association of India	Bharathiar National Journal of Physical Education and Exercise Sciences (BNJPEES)
3	Dr. T. Radhakrishnan	Member in Tamilnadu Football Association	Bharathiar National Journal of Physical Education and Exercise Sciences (BNJPEES)
4	Dr. R. Annadurai	Member in Tamilnadu Volleyball Association	Bharathiar National Journal of Physical Education and Exercise Sciences (BNJPEES)
5	Dr. P. Anbalagan	Member in Tamilnadu Basketball Association	Bharathiar National Journal of Physical Education and Exercise Sciences (BNJPEES)
6	Dr. G. Kumaresan	Member in Tamilnadu Kabaddi Association	Bharathiar National Journal of Physical Education and Exercise Sciences (BNJPEES)
7	Dr. P. ManjuPuspha	Member in International Association for Study of Obesity	Bharathiar National Journal of Physical Education and Exercise Sciences (BNJPEES)

**23. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

S.No	Name of the faculty	Name of the Programme attended	Date and Duration	Purpose
1	Dr.T.Radhakrishnan	UGC Refresher Course in Physical Education	2010	
		National Workshop on Quality Management	19/09/2011 to 21/09/2011	
		NSS Orientation training	28/11/2011 to 03/12/2011	
2	Dr.R.Annadurai	UGC Refresher Course in Physical Education and sports sciences 9.11.2010 to 29.11.2010 in ASC, BU, CBE		
3	Dr.P.Anbalagan	UGC Refresher Course in Physical Education and sports sciences	19.2.2014 to 11.3.2014	ASC, BU, CBE
4	Dr.G.Kumaresan	UGC Sponsered Refresher Course	29.1.2011 to 18.2.2011	
5.	Dr. P. Manju pushpa	106 <sup>th</sup> Orientation Programme	11.02.2015 to 17.03.2015	ASC, BU, CBE
		Intensive training on the Ecological healing system	09.12.2012 to 06.01.2013	Neo Health care,
		Faculty Orientation on Intellectual Property Rights	DRDO, BU	08.07.2013

**24. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects - **90%**
- percentage of students doing projects in collaboration with other universities / industry / institute - **10%**

**25. Awards / recognitions received at the National and International level by Faculty:**

- Dr. S.T.N. Rajeswaran received Lifetime Achievement Award

**Students:**

Name of the	Name of the Competition	Year	Representation
Anumol Thomas	All India Inter University Power Lifting competition	2013	Silver Medal
M. Sudha	National level Kovai half Marathon	2013	First place
	International level Mumbai marathon	2013	Fourth place
	International level Bangalore Mid-night Marathon	2013	Second place
	National level Delhi Marathon	2013	Second place
	National level Hyderabad Marathon	2013	Second place
	National level Chennai Marathon	2013	First place
	National Mid-night marathon, Bangalore	2013	First place
V. Dinesh Babu – II M.P.Ed.	Best Camper Award in South zone N.S.S. PRE.RD Camp in 2014 at Kerala, represented for Tamilnadu NSS Contingent	2014	
Dhayalan II M.P.Ed	In Cross Country Race	2014	Position : Third
P. Ramya (B.P.Ed.,)	Inter Collegiate Women Weight Lifting Competition	2014	Position : Third
M. Kalaimani (M.P.Ed)			
K. Parimala			
University Dept Team	Inter Collegiate Handball Men Tournament.	2014	Position : First
	Inter Collegiate Kho-Kho Men Tournament.	2014	Position :
	Inter Collegiate Tennis Men Tournament.	2014	Position :
	Inter Collegiate Hockey Men Tournament.	2014	Position :
	Inter Collegiate Basketball Women Tournament.	2014	Position :
	Inter Collegiate Volley Women Tournament	2014	Position :
	Inter Collegiate Men Weight Lifting Competition	2014	Position :

**26. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of participants.**

- National Workshop on Research Methodology in 2010
- National seminar on Sports Medicine in 2011
- National workshop on Modern trends in sports in 2012
- National Workshop on Multidimensional Placements in Physical Education in 2013
- National Seminar on Recent Technology in Sports Science in 2013
- National workshop on multi dimensional placement in Physical Education in 2013
- UGC sponsored National Seminar on Women Sports Participation in India in 2014

**27. Code of ethics for research followed by the departments**

1. Colloquium will be conducted for scholars before submitting the proposal.
2. Prior permission from ethical committee to collect the data is made mandatory.
3. Primary data collected from the respondent for research will not be used for any other purpose.
4. The identity of the respondent will not be revealed.

## 28. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage
		Male	Female	
B.P.Ed.	206	36	62	100%
M.P.Ed.	111	38	12	100%
M.Phil.	7	21	1	100%
Ph.D.	10	4 (Regular)	2 (Part-time)	100%

## 29. Diversity of students (2014-15)

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.P.Ed.	80	20	-	-
M.P.Ed.	80	20	-	-
M. Phil.	100	-	-	-
Ph.D.	75	25	-	-

## 30. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S.No	Year	Net	Set
1.	2012-13	4	2
2.	2013-14	2	3

## 31. Student progression

Student	Percentage against enrolled
PG to M.Phil.	100%
PG to Ph.D.	80%
Ph.D. to Post-Doctoral	-
Employed	50%
• Campus selection	
• Other than campus recruitment	50%
Entrepreneurs	-

## 32. Diversity of staff

Percentage of faculty who are graduates	
From the same University	60%
From other Universities within the State	40%
From Universities from other States	--
From Universities outside the Country	--

## 33. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number	Name
M.Phil.	-	-
Ph.D.	2	Dr. R. Annadurai Dr. G. Kumaresan

## 34. Present details of departmental infrastructural facilities with regard to

Infrastructure	Details
Library	277
Internet facilities for staff and students	10
Total number of class rooms	4
Class rooms with ICT facility	1
Students' laboratories	4

Research laboratories	1	
Sports facilities	Handball court	2 Nos
	Volleyball court	2 Nos
	Basketball court	2 Nos
	Tennis court	3 Nos
	Ball Badminton court	2 Nos
	Kho-kho court	2 Nos
	Kabaddi court	2 Nos
	Football field	2 Nos
	Track	2 Nos
	Gym	1 No
	Throw ball court	1 No
	Hockey	1 No
	Multipurpose Stadium	1 No
	Swimming pool	1 No

### 35. List of doctoral, post-doctoral students and Research Associates

		Names
Doctoral	From the University	1. Sathishbabu N 2. Rajaram S. 3. Karthick M 4. Sathesh Kumar. P 5. Mohan Kumar T. 6. Suresh Kaliraj D. 7. GiridharaPrasath R.G 8. Guruvupandian C. 9. Hitler C.
	From other the University	1. Susatha. S
Research Associates	From the University	1. Nelson Raj A.E.
	From other Institution	Nil

### 36. Number of post graduate students getting financial assistance from the state Government / UGC / private trust / others

S.No	Course	State Government	UGC	Private trust	Men	Women
1	B.P.Ed	11	-	-		
2	M.P.Ed	3	-	-		
3	M.Phil.	9	-	-		
4	Ph.D.	1	-	-		1

### 37. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

During the assessment period no new programmes is introduced.

### 38. Does the department obtain feedback from

#### a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- Yes. Feedback from faculty members received regarding curriculum and teaching learning evaluation.
- Important revisions are being brought to Board of Studies Meeting and included for the next academic year.
- Updating of curriculum is also being followed for every academic year.

#### b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Yes. Feedback from students will be seriously looked after regarding staff, curriculum and teaching learning evaluation.
- The views of students on curriculum will be discussed during Board of Studies and

revised accordingly.

- Feedback on staff members will be discussed during Department Faculty Meeting and necessary legitimate decision are taken.
- c) **Alumni and employers on the programmes offered and how does the department utilize the feedback?**
- Feedback from alumni and the employers are seriously viewed in terms of evaluation and also on curriculum.
  - Frequent discussions held with alumni are brought into the notice during Board of Studies Meeting and Alumni meeting.

**39. List the distinguished alumni of the department (maximum 10)**

1. Dr. Nandhini (Physical Director, Avinashilingam University for Women, Cbe).
2. Dr. R. Ashok Kumar (Physical Director, N.G. Mahalingam College of Arts & Science, Pollachi)
3. Dr. Kalidasan (Physical Director, Islamia College, Elyankudi)
4. Dr. A.S. Logeswaran (Assistant Professor, Dept. of Phy. Edn-BU)
5. Dr. R. Kanthanathan (Physical Director, Govt. Her. Sec. School, Annur).
6. Dr. R. SivaramakrishnaKumar (Physical Director, PTMTM College Arts & Science, Kamuthi)
7. Mr. E. Balaji (Physical Director, CBM College of Arts & Science, Cbe)
8. Dr. M. Angel Robert (Exercise Therapist, Kovai Diabetic Foundation, Cbe)
9. Mr. R. Anburaja (Director, Sri. Sivakamalam Matric School, Pudukottai).
10. Ms. R. Karthika Banu (P.E.T, Thiyagi N.G.R. Hr. Sec. School, Cbe)

**40. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

S.No	Name of the Enrichment programme
1.	Workshop on "Track And Field Officiating"
2.	Workshop on "Handball Officiating"
3.	Workshop on "Kho-Kho Officiating"
4.	Workshop on "Kabaddi Officiating"
5.	Special lecture about "Carrom Rules and Regulations"
6.	Special lecture about "Wrestling Rules and Regulations"
7.	Special lecture about "Taekwondo Rules and Regulations"
8.	Special lecture about "Karate Rules and Regulations"
9.	Special lecture about "Weight Lifting Rules and Regulations"
10.	Special lecture about "Power Lifting and Best physique Rules and Regulations"
11.	Special lecture about "Silambam Rules and Regulations"
12.	Special lecture about "Communication Skill"
13.	Special lecture about "Interview Techniques"
14.	Special lecture on "Bio-mechanics in the Field of Sports"
15.	UGC Refresher course in Physical Education

**41. List the teaching methods adopted by the faculty for different programmes.**

▪ Chalk and talk	▪ Camp
▪ Power point presentation	▪ Trekking
▪ Working Model	▪ Educational Tour
▪ Practical Training (On field)	

**42. How does the department ensure that programme objectives are constantly met and Learning outcomes are monitored?**

1. Periodical monthly test
2. Skill test
3. Officiating test



**43. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc).**

S.No.	Name of the Faculty	Name of the Extension Activity	Year	No. of students participated
1	Dr. R. Annadurai (Assistant Professor)	National “B” Chess tournament for Blind	2013	150
2.	Dr.R.Annadurai (Assistant Professor)	State level athletic meet for deaf and Dum in the year	2010	600
3.	Dr.T.Radhakrishnan (Associate Professor)	Coimbatore District Inter-Schools west zone meet	2010	500
4.	Dr.T.Radhakrishnan (Associate Professor)	Coimbatore District Inter-Schools west zone meet	2011	600
5.	Dr.T.Radhakrishnan (Associate Professor)	Coimbatore District Inter-Schools west zone meet ,Inter zone meet	2012	1500
6.	Dr.G.Kumaran Assistant Professor)	Adventure sports (Trekking)	2011	180
7	Dr.T.Radhakrishnan (Associate Professor)	Adventure sports	2011	60
8	Dr.R.Annadurai (Assistant Professor)	Adventure sports	2011	60
9	Dr. P. Anbalagan	Conducted Inter Collegiate and Inter departmental Cultural competition as cultural co-ordinator	2013-14	600

**44. Give details of “beyond syllabus and scholarly activities” of the department.**

Apart from the regular activity in the University Department, we invite many experts to train the students in Fencing, Swiss ball, malkhamb many more. We had invited English language trainers to train students.

**45. State whether the programme / developing is accredited / graded by other agencies? If yes, give details.**

Yes. The B.P.Ed and M.P.Ed are accredited by NCTE

**46. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

1. Faculty recruitment from all sports fields.
2. Vigorous practice sessions
3. Focus on Research
4. Participating in all major sports events
5. Result based development
6. Produce quality research

**47. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths	Weaknesses	Opportunities	Challenges
1. Qualified Faculties 2. Standard Play Fields 3. Organizing Tournaments 4. Learning Environment 5. Practical Exposure	No Distinct Building (it is under construction)	1. Learning ambience 2. Practical Experience 3. Organizing ability 4. Multi discipline focus 5. Cent percent Placement	1. Research, 2. Practice sessions 3. Result based performances

**48. Future plans of the department (in terms of new programmes, research areas, national / International collaboration)****Future plans are**

- Proposed to lay out a synthetic track
- Construct a new Swimming Pool
- Biochemical Lab
- Recreation centre and Aerobic Dance hall.
- New courses to be offered on physical fitness, health and yoga Education.

**Research areas:** Proposed to establish a new Research lab in the near future.

**Collaborations:** to collaborate with government sports bodies for research and sports participation.

## **Department of Linguistics**

1. **Name of the Department :** Linguistics
2. **Year of establishment :** 1985
3. **Department comes under :** School of English and other Foreign Languages
4. **Names of programmes offered**
  - M.A. Linguistics (intake 15)
  - M.Phil. Linguistics
  - Ph.D. Linguistics
5. **Courses in collaboration with other Departments, Universities, Industries, Foreign Institutions, etc (Please give complete details)**  
Supportive papers are offered for other department students
6. **Details of programmes discontinued, if any, with reasons :** Nil
7. **Examination System:** Semester System under Choice Based Credit System
8. **Number of teaching posts sanctioned, filled and actual ( Professors / Associate Professors / Asst. Professors / others ) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	One (1985)	1985	2
Associate Professors	One (1986)	1987	-
Asst. Professors	Three (1986)	One (1987), One (1989), One (1990)	3

9. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. C. Sivashanmugam, Professor and Head (Retd.)	M.A. Linguistics M.A. Sociology Ph.D. Linguistics	Sociolinguistics Natural Language Processing Translation Studies English Language Teaching	31	3/0
Dr. V. Thayalan, Professor & Head 01.07.14	M.A. Linguistics M.A. Tamil Ph.D. Linguistics	Sociolinguistics Translation Studies Lexicography Tribal Studies Tamil Grammatical Theories	25	14/6
Dr. C. Sivakumar Associate Professor (Retired on June 2012)	M.A. Tamil M.Phil. Tamil and Special Tamil Ph.D. Linguistics	Language Teaching Tribal Literacy Material Production Tamil Grammar Folklore	20	1/0
Dr. T. Muthukrishnan Assistant Professor	M.A. Linguistics Ph.D. Linguistics	English Language Teaching Educational Linguistics Tribal Studies	20	12/3

Dr. P. Selvakumar (up to September 2010) Assistant Professor	M.A. Linguistics M.Phil. Applied Linguistics Ph.D. Linguistics	Translation Lexicography Language Teaching Sociolinguistics Computational Linguistics Visual Media Communication	15	2/0
Dr. V.M. Subramanian, Assistant Professor	M.A. English Literature M.A. Linguistics M.Phil. ELT Ph.D. ELT	English Literature English Language Teaching CALT Stylistics trans lation Sociolin- guistics Cognition studies Drama and film studies	12 (7 Years in China, 5 Years in Bharathiar University)	8/13
Dr. S. Sundarabalu, Assistant Professor	M.A. Linguistics M.A. Tamil B.Litt. Ph.D.Linguistics	Semantics Sociolinguistics Lexicography	8	4/3

**10. List of senior Visiting Fellows, temporary faculty, emeritus professors, Visiting Fellow:**

- Dr. V. Gnanasundaram, Former Professor cum Director, Central Institute of Indian Languages, Mysore – 570 006
- Prof. R. Perialwar, Former Professor of Tribal Studies, Tamil University, Thanjavur
- Dr. Willy Painiaye, 452, rue Rocade Sud, 97440 Saint-Andre, Reunion, Island

**11. Percentage of classes taken by temporary faculty programme-wise information : NA**

**12. Programme-wise Student Teacher Ratio**

- M.A. Linguistics 9/5 – 2:1
- M.Phil. Linguistics 3/5- 1:1
- Ph.D. Linguistics 7/5 – 2:1

**13. Number of academic support staff (technical) and administrative staff: sanctioned, filled as on date**

Sanctioned : Junior Assistant; 1; Office Assistant : 1  
Filled: Nil

**14. Research thrust areas as recognized by major funding agencies**

Tribal Languages

**15. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

S.No	Total No. of Faculties	Total No. of Research Schemes	Total No. of Projects undertaken	Amount (Rs. In Lakhs)	Year
1	Dr. S. Sundarabalu	UGC	A study on dialect variations in Tamil with reference to technical terms of selected occupational implements	Rs. 2.05	From 01.02.2011 to 30.04.2013
2	Dr. T. Muthukrishnan	UGC [Innovative Research]	“Exploring e-English of the Undergraduate and Postgraduate Students of Bharathiar University and compiling dictionary for e-English”	Rs. 0.5	From 2015
3	Dr. V.M.Subramanian	UGC [Innovative Research]	“A Study on the Creative Writing Skills of Bharathiar University Constituent College Students”	Rs. 0.5	From 2015

## 16. Inter-institutional collaborative projects and associated grants received National collaboration b) International collaboration

### National Collaboration

- ✓ Telugu University, Hyderabad has instituted a “Telugu Chair” in the tune of Rs. 2,50,000/- . At present available grant in this chair is Rs. 18,17,191/-

## 17. Department projects funded by UGC

- ✓ SAP-DRS-II (II Phase) – From 01.04.2011 to 31.03.2016 – Rs. 33.50 Lakhs
- ✓ Department Project: “Conservation of the indigenous Languages in the Western Ghats of Tamilnadu: An investigation on Linguistics, Education, Sociological and Cultural aspects of the Tribes” – 2.15 Crore

## 18. Research facility / centre with

S. No.	National Recognition	Facilities available
1.	Language Division Census of India, Kolkatta	Description of various Tribal Studies and Census
2.	Central Institute of Indian Languages, Mysore	Language Lab, Phonetic Lab
3.	Southern Regional Language Centre, Mysore	Language Lab, Phonetic Lab
4.	National Testing Service, Mysore	Technical –know-now and Testing a Evaluation
	<b>International Recognition</b>	
1.	University of Malaya, Kuala Lumpur, Malaysia	Linguistics Experts

## 19. Special research laboratories sponsored by / various functioning agencies

Phonetic Laboratory has been established using UGC grant.

## 20. Publications:

S.No.	Published in / Faculty	Dr. C.S.S.	Dr. V. T.	Dr. T.M.K.	Dr. V.M.S.	Dr.S.S.B.
1.	Number of papers published in peer reviewed journals (National / International)	3	7	4	4	3
2.	Monographs	-	-	-	-	-
3.	Chapters in Books	-	-	-	-	-
4.	Edited Books	8	8	4	3	3
5.	Books with ISBN with details of publishers	-	-	-	-	3
6.	Number listed in International Database	-	-	-	-	-
7.	Citation Index – Range / Average	-	-	-	-	-
8.	SNIP / SJR	-	-	-	-	-
9.	Impact Factor – range / average	-	-	-	-	-
10.	H-index	-	-	-	-	-
11.	ISSN Journal	2	2	2	2	2

## 21. Details of patents and income generated : Nil

## 22. Areas of consultancy and income generated

Out bound programme on Linguistics was conducted from 8<sup>th</sup> June to 28<sup>th</sup> July 2013 under the sponsorship of University of Malaya, Malaysia (Rs. 50,000/-)

## 23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

- ✓ Dr. S. Sundarabalu, Assistant Professor selected as a Visiting Professor to ICCR’s Chair to Tamil at Jagiellonian University, Krakow, Poland. (From 13.12.2013 to June 2014)

**24. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)**

**a) National committees**

**Dr. C. Sivashanmugam**

- ✓ Expert committee member – UGC MRP Programme – UGC,

**Dr. V. Thayalan**

- ✓ Expert committee member – UGC MRP Awarding – UGC,
- ✓ Expert Committee member – Project Fellow in department of Computational Linguistics, Dravidian University, Kuppam
- ✓ Potential for Excellence – Madurai Kamaraj University, Madurai

**25. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

**Dr. C. Sivashanmugam**

- Participated a paper entitled “ Comprehensive questionnaire for Tribal Languages” in the Workshop at the Department of Linguistics from Dec. 5<sup>th</sup> to 9<sup>th</sup> Dec. 2011.
- Participated and Presented a paper entitled “ Tamil Language Literature Grammar” in the National Seminar at School of Indian Languages, Tamil University, Thanjavur on 02.08.2012.

**Dr. V. Thayalan**

- Participated and Presented a paper entitled “Relative Participle in Tamil” in the National Seminar from 03.03.2010 to 05.03.2010
- Participated and Presented a paper entitled “A Study on Translation and Language Style” in the National Conference from 14.12.2010 to 15.12.2010
- Participated and Presented a paper entitled “A Study on Present status of the Irula Language spoken by Irula Tribe Living” in the National Seminar at Coimbatore Taluk of the Western Ghats of Tamilnadu from 21.01.2011 to 22.01.2011
- Participated and Presented a paper entitled “A Study on Evaluation of Translation” in the Seminar on 03.03.2011
- Participated and Presented a paper entitled “A Study on Secon Language acquisition by Tamil Students with Reference to Communicative Competence” in the Seminar on 04.03.2011
- Participated and Presented a paper entitled “Evaluation of Uniform Syllabus Education – Tamil Text Books” in the Seminar cum Workshop from 10.09.2012 to 12.09.2012
- Participated and Presented a paper entitled “Role of Linguistics in Language Teaching” in the National Seminar in Bharathiar University on 07.02.2014
- Participated and Presented a paper entitled “தமிழும் சுற்றுப்புறச் சூழல்சார் உயிரினங்களும் கோட்பாட்டாய்வு” in the International Conference at Kuala Lumpur, Malaysia from 28.01.2015 to 02.02.2015

**Dr. T. Muthukrishnan**

- Presented a Paper entitled “Role of Linguistics in Language Teaching” at Dept. of Linguistics, Coimbatore on 08.01.2014
- Participated a Workshop entitled” Soft Skills” at Department of Linguistics on 07.02.2015

**Dr. V.M. Subramanian**

- Participated and Presented a paper entitled “Ariviyal Tamil” in the Seminar at at GRD College of Arts and Science, Coimbatore on 08.01.2014
- Presented a paper entitled “Culture through Language at Literature” in the

International Conference at department of Foreign and English Languages, Bharathiar University on 07.02.2015

- Presented a paper entitled “Impact of Tamil Slangs on Culture and Society” in the International Conference at Kuala Lumpur, Malaysia from 28.01.2015 to 02.02.2015

## 26. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects – 100%
- Percentage of students doing projects in collaboration with other universities / industry / institute – Nil

## 27. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)

- Faculty

Name of the faculty	Details of Awards / Honors received
Dr. S. Sundarabalu	“Moliyiyai Cinthanai Cirppi” – Kalaittamil Sangam – Namakkal (for Academic Service)
Dr. S. Sundarabalu	Selected from Bharatiya Dalit Sahitya Akademi- “Baba Saheb Dr. Ambedkar National Fellowship Award – 2014” (Public Service)

- Students - R. MALAVIKA (2014) M.A. Student got Gold Medal for University First Rank

## 28. Seminars / Conferences / Workshops organized and the source of funding (National / International) with details of participants

- International Conference funded by Bharathiar University on Recent Advances in Linguistics during 15-16 December 2010
- Symposium funded by Home Ministry, Kolkata on Problems of Morphological Analysis of Indian Language from 06.02.2012 to 07.02.2012
- Symposium funded by Home Ministry, Kolkata on Tribal Languages planned during 25.02.2012
- Training programme funded by North Eastern Hill University, Shilong on Phonology of Dravidian Languages during 13.12.2012 to 18.12.2012
- Coordinator for conducting the International Symposia funded by Bharathiar University on Research Innovations for Quality Improvement in Higher Education during 10.10.2011 to 18.12.2012
- National Workshop funded by Bharathiar University on Setting for Collecting Speech data for Tribal Languages during 28.11.2011 to 02.12.2011
- National Workshop funded by Bharathiar University on Tribal Studies during 24.02.2012 to 26.02.2012
- International Training cum Workshop funded by University of Malaya, Malaysia on out bound programme during 08.07.2013 to 28.07.2013
- Orientation cum Workshop funded by CIIL, Mysore on Testing and Evaluation for Language Teachers Working in Middle School during 20.01.2015 to 24.01.2015
- National Seminar funded by Bharathiar University on Science Tamil at GRD College, Coimbatore during 08.01.2014 to 09.01.2014
- International Conference funded by Bharathiar University on Soft Skills during 19.01.2014 to 21.01.2014
- Coordinator of National Workshop funded by Bharathiar University on Positive Attitude and Constructive Thinking during 30.01.2014 to 31.01.2014
- International Conference funded by Bharathiar University and CIIL, Mysore on Recent Advances in Linguistics during 15.12.2010 to 16.12.2010

## 29. Code of ethics for research followed by the department

- To ensure the authority of the empirical data obtained by the researchers, the faculty members verify the data at the field.
- Before submission of thesis and publication of research papers the researchers have to submit their research findings in the research circle organized every Thursday at our department. The originality of the research is ensured besides avoiding plagiarism.

## 30. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG (2014-2015)	9	2	7	100	100
M.Phil. (2014-2015)	Nil	-	-	-	-
Ph.D. (2014)	7	3	4	-	-

## 31. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	55	40	5	-
M.Phil.	35	40	25	-
Ph.D.	35	30	25	10

## 32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Name & Class of the Student	Specify the Nature of Qualification	Month & Year of Passing
A. NATARAJAN, Ph.D. Scholar	NET - TAMIL	December 2011
A. VENNILA, Ph.D. Scholar	NET - LINGUISTICS	June 2011
R. SIVAKUMAR, Ph.D. Scholar	SET - ENGLISH	2012
K. VIJAYAKUMAR, Ph.D. Scholar	NET - LINGUISTICS	2014

## 33. Student progression

Student	Percentage against enrolled
PG to M.Phil.	100
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	All pass out candidates
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

## 34. Diversity of staff

Percentage of faculty who are graduates	
From the same University	14
From other Universities within the State	86
From Universities from other States	NIL
From Universities outside the Country	NIL

## 35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil



**36. Present details of departmental infrastructural facilities with regard to**

- a) Library – Department Library with 5000 books
- b) Internet facilities for staff and students – Faculty – 4, Students - 12
- c) Total number of class rooms - 4
- d) Class rooms with ICT facility - 1
- e) Students' laboratories - 1
- f) Research laboratories - Nil

There are 15 Computer systems with round the clock internet connectivity and the students are free to use them for the purpose of acquiring wide knowledge. The department has RENET software at 1:10 ratio in the language laboratory. Another important element of the laboratory is that it has a VCD recording facility

**37. List of doctoral, post-doctoral students and Research Associates**

- a) from the University – Nil
- b) from other institutions/Universities - Nil

**38. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others**

S.No.	Programme	No.	Detail
1	M.A.	20	State Government
2	M.Phil.	1	Rajiv Gandhi National Fellowship
3	Ph.D.	6	Rajiv Gandhi National Fellowship
4	Ph.D.	1	National Testing Service, Central Institute Of Indian Languages , Mysore
5	Ph.D.	6	University Research Fellowship

**39. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology.**

Yes, before introducing the PG programme, a need assessment has been done. The Knowledge requirement of Linguists has been identified from the domain at which they are to be placed. The students' feedback has regular been done to modify the syllabus and make it suitable for employability. Experts from industries, academic, alumni and subject experts have designed and evaluated the feasibility of course and course content.

**40. Does the department obtain feedback from?****a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Periodical faculty meeting is arranged to discuss the relevance of curriculum and methods of teaching by in house teachers and methods of learning adopted by the students, and evaluation strategies followed. The discussion has yielded fruitful suggestions for bettering the above.

**b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Every teacher has given fullest liberty to the students to comment on the performance of staff and on teaching – learning evaluation methods. A separate feedback form is given to students to articulate their feelings. Based on their feedback necessary modification has been done.

**c) Alumni and employers on the programmes offered and how does the department utilize the feedback?**

The Board of Study includes the alumni, industrialist and educationists as expert to design and reengineering the course curriculum and syllabus. They ensure the social and occupational relevance of the subjects being taught.

**41. List the distinguished alumni of the department (maximum 10) –**

- ✓ Mr. S. Rameshkumar, Professor of English in Wuzhou University in the People's Republic in China.

**42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- **Prof. R. Krishnan**, Professor, Department of Applied Linguistics and Languages, University of Malaya, Malaysia delivered a series of special lectures on Language Teaching in the Multilingual Context during 21<sup>th</sup> Junly 2011 (Participants- 24)
- **Prof. M.S. Thirumalai**, Editor of e-uournal Language in India, Minnesota, USA delivered a series of special lecture on Writing Skill, w.r.t. Thesis Writing during 23<sup>rd</sup> September 2011 (Participants – 20)
- **Prof. Kishore Kumar**, University of Asmara, Asmara, Eritrea delivered a series of special lecture on Communication Skills as a Soft Skill during 28<sup>th</sup> September 2011(Participants – 22)
- **Dr. George D. Begell**, Lecturer, Graduate Department of Linguistics, Payap University, Chiang Mai, Thailand delivered a special lecture on Communication Language Teaching during 17<sup>th</sup> October 2011(Participants – 25)
- **Dr. T. Krishnamurthi**, Professor of English, Sri Ramakrishna Mission Vidyalaya CAS, P.N. Palayam, Coimbatore delivered a special lecture on Soft Skills, Effective Communication during 12<sup>th</sup> October 2010 (Participants – 24)
- **Dr. Kannayya Kanchana**, Asst. Professor, Department of English, Government Arts College, Coimbatore delivered a special lecture on Communicative English Teaching during 31<sup>st</sup> January 2010 (Participants – 35)
- **Dr. Brunda Ravikumar**, Chief Executive, Gamin English. Com, P.N. Palayam, Coimbatore delivered a special lecture on Soft Skills during 1<sup>st</sup> February 2012 (Participants – 35)
- **Prof. G. Srinivasa Varma**, Former Director, CAS in Linguistics, Annamalai University, Annamalainagar delivered a special lecture on Vagiri Boli during 1<sup>st</sup> March 2012 (Participants – 30)
- **Prof. Sam Mohan Lal**, Former Reader cum Research Officer, CIIL, Mysore delivered a special lecture on Tribal Research during 2<sup>nd</sup> March 2012 (Participants – 30)
- **Prof. K. Rangan**, Former Professor, Dept. of Linguistics, Tamil University, Thanjavur delivered a special lecture on Syntactical Structure during 3<sup>rd</sup> March 2012(Participant30)

**43. List the teaching methods adopted by the faculty for different programmes.**

The faculty members adopt the following methods

1) Analytic, 2) Synthetic, 3) Eclectic, 4) Known to unknown, 5) Simple to compose, 6) Frequent to sale. These apart, embracing the modern smart class facility, effective presentation of course content is being carried out. Moreover the role play, seminar, micro teaching etc., have also been incorporated in the teaching learning process.

**44. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The syllabus of the PG programme has been designed so as to equip the students to have the skills required for serving as linguists in the contest of world in general and India in question. The changing need of the dynamic society is observed and it is incorporated into syllabus then and there and thereby job opportunities of pass outs are ensured.

**45. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.)**

- ✓ Our Department students have been taking coaching classes to the school children for teaching English Language.(2010-2015). Outcome: School children are able to speak English - Well
- ✓ Many of our students are the members of NSS. Through it, they periodically go to the society and serve to it.(2010 – 2015). Outcome: Sense of Social service has been developed to the students
- ✓ Faculties are quite often invited by the collectorate of Coimbatore to determine the community of certain people based on their Linguistics background.(2010-2015)Outcome: Community of certain people had been finalized by the collectorate of Coimbatore.
- ✓ Our students are taking class for tribal children of the Nilgris for teaching Tamil. Tribal children learn Tamil well (2010-2015).
- ✓ Whenever officials from Government offices ask for the Tamil terms for certain English technical terms, our faculty members have been coining or creating terms in Tamil. (2010-2015). Outcome: Many new terms in Tamil have been introduced
- ✓ Whenever, common public comes with Hindi/Telugu / Malayalam / Kannada texts, our faculty members have been translating them in Tamil or English.(2010-2015) Outcome: Common people got benefit

**46. Give details of “beyond syllabus and scholarly activities” of the department.**

Weekly Research Circle Meeting in our Department at every Thursday.

**47. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Nil**

**48. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- ✓ Tribal languages of the Western Ghats area have been extensively studied to document their age old “world knowledge” available in these tribal language in terms of linguistics trails and folkloristic traits and that paves way for academic research.
- ✓ The field of linguistics is popularized in terms of seminar / conference / workshop/ training to exploit it for imparting languages to the future generation.

**49. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

<b>Strengths</b> <ul style="list-style-type: none"> <li>➤ Diversified fields of experts. Accessibility to many linguistic communities.</li> <li>➤ Catering to International and National needs.</li> <li>➤ Application of Linguistics in Computer. Helping to Government</li> </ul>	<b>Weakness</b> <ul style="list-style-type: none"> <li>➤ Dearth of space.</li> <li>➤ No Phonetic lab.</li> <li>➤ No faculty members on Malayalam, Kannada, Telugu.</li> <li>➤ No awareness on the importance of Linguistics among students.</li> <li>➤ Linguists are not recognized by college.</li> </ul>
<b>Opportunities</b> <ul style="list-style-type: none"> <li>➤ India is a Linguistic hub.</li> <li>➤ Western ghats has more tribal language and works on Translation.</li> <li>➤ Opportunity in foreign countries. Natural language corpora creation.</li> </ul>	<b>Challenges</b> <ul style="list-style-type: none"> <li>➤ Students must be encouraged to come forward to study linguistics.</li> <li>➤ Attention of the government must the drawn to the arts subjects also.</li> <li>➤ College teacher recruitment board does not recruit linguists.</li> </ul>

**50. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- ✓ PG Diploma in Language Teaching / English Teaching will be introduced.
- ✓ Effort will be taken to obtain the III phase of SAP
- ✓ A project on Linguistic corpora creation for Tamil Language, will be undertaken obtaining financial support from the Government funding Agency.

### **Department of English and Foreign Languages**

1. **Name of the Department :** English and Foreign Languages
2. **Year of Establishment :** 2007
3. **Department comes under :** School of English and other Foreign Languages, Arts faculty
4. **Name of the programme offered :** B.A ,M.A- English Literature  
M.Phil., Ph.D.- English Literature&  
English Language Teaching
5. **Name the Interdisciplinary programmes offered :** Cognitive Science and Literature
6. **Details of programmes discontinued :** (CA) Computer Applications  
Nowadays, almost all the students have good knowledge of computer and its applications. In addition, we have included another subject (Cognitive Science) which is very much recent and relevant to the core subjects taught in our department. As such, with these reasons and the feedback from the students, we removed the subject Computer Applications.
7. **Examination System :** Semester under Choice Based Credit System
8. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS&CDS)
Professor	01	01	01
Associate Professor	01	01	Nil
Assistant Professors	03	2	2

9. **Faculty profile with name, qualification, Designation, area of specialization total experience-research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. / M. Phil. guided
			Teaching	Research	
<b>Dr. R. Saravana Selvan,</b> Professor & Head	M.A. Eng., M.A. (Pol.Sci.), M.Phil., M.Ed., P.G.D.J., P.G.D.T.E., Ph.D.	English Language Teaching and Literature	22	32	<b>Ph.D. - 10</b> <b>M.Phil. - 22</b>
<b>Dr. P. Nagaraj,</b> Assistant Professor	M.A. (Eng), M.A. (Mass Comm and Jour), M.A. (Eng Litt), M.A. Linguistics, M.B.A (HR) Ph.D.(ELT	English Language Teaching, Literature	16	7	<b>Ph.D. - 10</b> <b>M.Phil. - 21</b>
<b>Mr.B.Padmanabhan</b> Assistant Professor	M.A., M.Phil.	Existentialism	10	02	<b>M.Phil - 10</b>
<b>Dr. R. Palanivel</b> Assistant Professor	M.A., M.Phil., Ph.D.	Developmental Process in Narrative Fiction / Communication through Literature	23	30	<b>Ph.D. - 02</b> <b>M.Phil. - 03</b>

10. **List of senior visiting fellow, temporary faculty, emeritus professors:** Nil

11. **Percentage of classes taken by temporary faculty-Programme-wise information:** 23%

- 12. Programme-wise Student Teacher Ratio:** BA -1:3, M.A 17:1, M.Phil. 4:1, Ph.D. 4:1
- 13. Number of academic support staff (technical) and administrative staff:** Sanctioned, filled and actual as on date - 2 (Temporary Staff)
- 14. Research thrust areas as recognized by major funding agencies:** Nil
- 15. Number of faculty with ongoing projects from National / International funding agencies :** Nil
- 16. Inter-institutional collaborative projects and associated grants received:** Nil
- 17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE: DBT; ICSSR, AICTE, etc.:** total grants received.
- Established Confucius Chair in the Department, yet to receive fund from China Radio International, China.
- 18. Research facility / centre with**
- ❖ **State recognition** : Foreign Language Lab, funded by Government of Tamil Nadu
  - ❖ **National recognition** : State of Art English Language Lab.
  - ❖ **International recognition:**
    - MoU was signed between Yun Yang Teachers College and Huaihua University with Bharathiar University in 2007. Mr.Chen Deseng Full time Research Scholar completed his Doctoral Research in the year 2014.
    - Confucius classroom was established by signing an MOU between Bharathiar University and China Radio International.
- 19. Special research laboratories sponsored by / various functioning agencies – Foreign Language Laboratory.**
- 20. Publications:**

S.No	Published in / Faculty	Dr.R.S	Dr.P.N	Mr.B.P
1.	Number of Papers Published in Peer reviewed Journals (National / International)	12/5	11/8	1
2.	Monographs	-	-	-
3.	Chapters in Books	-	-	-
4.	Edited Books	-	-	-
5.	Books with ISBN with details of publishers	-	-	-
6.	Number listed in International Database	-	-	-
7.	Citation Index – Range / Average	-	-	-
8.	SNIP / SJR	-	-	-
9.	Impact Factor – range / average	-	-	-
10.	H-index	-	-	-

- 21. Details of patents and income generated:** Nil
- 22. Areas of consultancy and income generated:** Free consultation is given to Tribal Schools, Affiliated colleges, Office administration.
- 23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- Dr.R.Saravana Selvan, Professor and Head was appointed as the Director i/c. for Centre for Collaboration of Industry and Institution – CCII, Bharathiar University.

## 24. Faculty serving in

Faculty Name	Dr.R.Saravana Selvan	Dr. P. Nagaraj	Mr.B.Padmanabhan
National	ELTAI	Life member (Society for Educational Technology research and Development <b>SETRAD</b> )	1
International	-	-	-
Editorial Board	BOSC, Nagercoil	International Association of teachers of English and Foreign languages(IATEFC) Journal Indian Journal of Applied Research Journal CAMPTESOL, NELTA International journal of Scientific Research Global Journal of Research Analysis Reviewer in i-manager's journal of English Language Teaching	-
	LPC Bulletin on Research (a refereed Multi Disciplinary Research Journal)	-	-
Any Other	-	-	-

## 25. Faculty recharging strategies (UGC, Refresher/orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose)

### Dr. R. SARAVANA SELVAN

Principals conference organized by the Academic Staff College , BU.

### Dr. P. NAGARAJ

- UGC sponsored refresher course conducted by the UGC – Academic Staff College, Bharathiar University, Coimbatore from 20.01.2010 to 09.02.2010.
- One day orientation Programme on “Development of Self-Instructional Materials for Distance Learners” conducted by the UGC – Academic Staff College, Bharathiar University, Coimbatore on 31.03.2010.

### Mr. B. PADMANABHAN

- UGC sponsored 95<sup>th</sup> Orientation Programme conducted by the UGC – Academic Staff College, Bharathiar University, Coimbatore from 20.11.2012 to 17.12.2012.
- Symposium on Recent Trends in Research in English at National College, Trichy from 06.03.2014 to 08.03.2014

## 26. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects - M.A. Projects – 15%
- Percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 27. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose).

- Faculty - Dr. R. Saravana Selvan, Professor and Head has received an award of 25 years of Unblemished Service on 5<sup>th</sup> February 2015.
- Doctoral / Post Doctoral Fellows- Nil
- Students Awards:

### Awards:

- For the past three consecutive years, the department has won Championship in the inter-departmental cultural competitions.
- Student Ms.Kiruthikeyani.J of M.A. English Literature (Batch: 2009-11) has won the BUSTAS overall individual championship for the I and II year.
- Student Ms. Sathya.T of M.A. English Literature (Batch: 2009-11) won the second prize in the oratorical competition and won a cash award of Rs.3000/- at the Anna Centenary Celebration.
- Twenty two students of I and II M.A. English Literature participated in the National Integration Camp and National Youth Festival organized by Nehru Yuva Kendra Sangathan from 30<sup>th</sup> January to 6<sup>th</sup> February 2011 and won many prizes.
- Student Ms.G.S Agalyasri of II M.A English Literature(Batch:2013-15) got “Swami Vivekanandar Elaignar Sathanaiyalar Viruthu”
- Our Department students are taking part in the drama and poetry recitation competitions organized by Central University of Tamil Nadu, Thiruvavur every year and bringing laurels to the department by winning prizes.

### **28. Seminars / Conferences / Workshops organized and the source of funding (National / International with details of participants**

Sl. No	Date	National / International	Funding	No. of Participants
1.	19.01.2012 to 21.01.2012	International Conference on Science Fiction	University	Dr.Y.S.Rajan, former Vice Chancellor, Punjab Technical University and Chief Mentor ISRO Strategy Group, Padmashri Dr.R.M.Vasagam, former Vice Chancellor, Anna University and Chairman, National Design & Research Forum, Dr.Eric Miller of the U.S.A., Dr.Garimella Subramaniam, Senior Assistant Editor, The Hindu,
2.	21.02.2013 February	National conference on “Recent Researches in Language and Literature”	University	Dr.Sheela Ramachandran,Vice Chancellor, Avinashilingam University Dr.Shreesh Choudry, Professor of English, IIT Madras Dr. Willy Painiaye, Professor of English Language; University of PAU, France.
3.	31.01.2014	UGC sponsored National conference on “Post colonial perspectives in language and Literature”	UGC	Dr. Sujatha Vijaya Raghavan, Professor of English, Pondicherry University, Dr. G. Baskaran ,Professor of English, GRI University, Dr. S. Venkateswaran,Professor of English, RIESI
4.	6 <sup>th</sup> and 7 <sup>th</sup> February 2015	International Conference on “Culture through Language and Literature”	UGC	Prof. Dr. Edwin Zappe from Salzburg, Austria, Dr. Deena P. Forkan from Dhaka, Prof. Kandhaih Sriganeshan from Jaffna and Dr. P. Bhaskaran Nair from Chennai. Dr.Joseph Dorairaj, Professor of English,GRI, Dr.G.Baskaran, Professor of English, GRI, Prof.Dr.Latha Nair, ST.Teresa’s College, Cochin.



## 29. Code of ethics for research followed by the departments

Sl. No.	Code of ethics
1.	Entrance test and Interview for admission
2.	Monthly Presentations
3.	Regular Doctoral Committee meetings
4.	Annual Reports
5.	Maintaining Research Diary
6.	Paper Publications and presentations
7.	Pre-submission Presentations

## 30. Students profile programme –wise:

Name of the programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG Final Year B.A -2014-15	02	1	01	-	-
PG M.A -2014-15	253	15	31	-	-
M.Phil. -2014-15	54	05	08	-	-
Ph.D. - 2014-15	-	01	02	-	-

## 31. Diversity of Students

Name of Programme	% of Students from the same University	% of students from other universities within the state	% of students from other universities outside the state	% of students from other countries
UG	Nil	Nil	Nil	100
PG	57	32	10	01
M.Phil.	50	40	10	Nil
Ph.D.	50	40	10	Nil

## 32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Sl. No.	year	NET		year	SET	
		Male	Female		Male	Female
1.	2010-2015	01	06	2010-2015	-	03

## 33. Student Progression

Student	Percentage against enrolled
PG to M.Phil.	50% to 60%
PG to Ph.D.	40% to 50%
Ph.D. to Post Doctoral	Nil
Employed Campus Selection	43
Other than campus recruitment	10
Entrepreneurs	Nil

## 34. Diversity of Staff

Percentage of faculty who are graduates	
From the same University	Nil
From other Universities within the State	3
From Universities from other States	Nil
From Universities outside the Country	Nil

## 35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

### 36. Present details of departmental infrastructural facilities with regard to

- a) Library - Nil
- b) Internet facilities for staff and students - Yes
- c) Total number of classrooms -03
- d) Classrooms with ICT facility - 02
- e) Students's laboratories – 1. English Language Lab 2. Foreign Languages Lab
- f) Research laboratories –NA

### 37. List of doctoral, post-doctoral students and Research Associates

- a) From the University: List of doctoral
- b) From other institutions/Universities

Sl. No.	Awarded/Pursuing	Same University	Other University
1.	Awarded	15	08
2.	Pursuing	10	07

### 38. Number of post graduate students getting financial assistance from the state Government / UGC / private trust / order.

Sl. No.	PG Students		State government / UGC / private trust
	Year	No of students	
1.	2010-12	20	State government
2.	2011-13	17	State government
3.	2012-14	25	State government
	2012-14	01	Private Trust

### 39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology : No

### 40. Does the department obtain feedback from

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Feedback Questioner
- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feed back?  
Yes, feedback from faculty and students collected regularly. In the department staff meeting, the feedback of the students is discussed and remedial measures are planned. The execution of the remedial measures is observed by the Head of the department and is reported in the following staff meeting of the department. Necessary changes in the curriculum and teaching methods are incorporated according to the feedback.
- c) alumni and employers on the programmes offered and how does the department utilize the feedback?  
Periodical modifications in the syllabus and course objectives and Industry oriented training offered to the students based on the feedback.

### 41. List the distinguished alumni of the department

1. Dr. V.Radhakrishnan, Principal, KSR College of Arts and Science
2. Dr. D.Mathialagan, Associate Professor, IRTT, Erode
3. Dr. S. Jayalakshmi, Assistant Professor, Avinashilingam University for Women, Coimbatore
4. Dr. Ashitha Varghese, Guest Faculty, Bharathiar University
5. Dr. J.P.Vandhana, Assistant Professor, KIT College, CBE

6. Dr. Sreeja Balakrishnan, Assistant Professor, Avinashilingam University for Women, Coimbatore
7. Dr.S.Diravidamani , Assistant Professor, EGS Pillai College, Nagapattinam
8. Dr.T.Sathya, Assistant Professor, KPR Institute of Technology
9. Dr.P.Kiruthika, Assistant Professor, Kongu Engineering College
10. 11.Dr.K.Rajkumar, Assistant Professor, VLB Janakiammal College, CBE
11. 12.Mr.Boopathi, Assitant Professor, Periyar University, Salem
12. 13.Mr.Stephen Jayamani, Assistant Professor, KPR Institute of Technology
13. Mr.Prince Sam Paul, Assistant Professor, Professional Engineering College
14. Ms.N.Sneha, TCS

**42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Sl.No	Special Lectures	Seminars	Workshop
1	16	13	11

**43. List the teaching methods adopted by the faculty for different programmes**

Power point presentation, Short film, E-content, Flash, Mobile / Tablet Technology, LED Television, Smart class, Smart Board.

**44. How does the department ensure that programme objectives are constantly met and learning Outcomes are monitored?**

- Regular Audit, Regular Seminars, Special lectures, Workshops, Experts Interviews, periodical tests, Assignments etc.

**45. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.)**

**Extension activities carried out**

1. **Ms.Vandhana.J.P** and **Mr.Shanker.C** (Ph.D. and M.Phil.) Scholars gave two day Orientation Programme on Language and Literature to 120 B.A. and M.A. English Literature students of Bharathiar Arts and Science College, Valparai from 06.10.2010 to 07.10.2010.
2. **Mr.S.Diravidamani** remedial course in English was conducted for 90 SC/ST students of Bharathiar University Arts and Science College, Valparai
3. An e-learning module was designed for the visually challenged learners and **Ms.T.Sathya** conducted classes to 80visually challenged learners of St.Louis School for teachers and deaf and blind , adayar Chennai to improve their speaking skills .
4. II M.A English Literature Students(Batch:2013-15) went to train 900 tribal school students of Various Government Schools in and around Coimbatore from 1<sup>st</sup> Jan to 31<sup>st</sup>Jan 2015

**46. Give details of “Beyond syllabus and scholarly activities” of the department.**

The Department regularly organizes student seminars and invited lectures on relevant topics. Eminent personalities are invited from various parts. The Department has established Theatre Club, Eco Club, Cinema Club and have regular activities which help to develop transferable skills such as Communication and team work and offer a platform to involve in the learning process.

The Department organizes cultural competitions and offer placement training to the students. A mega placement event is organized every year.

**47. State whether the programme/department is accredited / graded by other agencies?**

If yes, give details: Nil

**48. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Department possesses a distinct research expertise in the field of English Language Teaching. Faculty of the Department perform innovative research: Attract, Teach and Mentor Exceptional students and engage in activities that benefit societies. Research focusing on learning disabilities, technology enabled learning and advanced language acquisition processes.

**49. Details five major strengths, weaknesses, opportunities and challenges (SWOC) of the Department.**

**Strengths:**

1. The Department follows a highly competitive and challenging curriculum which ensures overall development of students.
2. Adapts modern teaching learning practices
3. Learner centered teaching
4. Well qualified and committed faculty with strong research expertise
5. The Department attracts students from various parts of the Country and Abroad
6. Training given for E-Publishing and E-Content development.

**Weaknesses:**

1. Space constraints restrict the operations of the Department.
2. Unable to establish the Department Library due to lack of space
3. Lacks enough faculty strength

**Opportunities:**

1. The Department can introduce courses in Foreign Languages-Chinese, French, German, Spanish
2. Can train students in creative writing
3. The Department can establish a Writing Centre to train students and scholars in academic writing
4. Department can introduce courses in Business English that can benefit the industrial clusters of the City.
5. The Department can involve in emerging areas of Research.
6. Establishing Confucius Chair.

**Challenges:**

1. Maintaining the challenging curriculum to match the International standards
2. Attracting talents in the emerging global competition in Higher Education
3. Maintaining the cultural diversity of the students
4. Achieving global standards with limited resources

**50. Future plans of the department (in terms of new programmes, research areas, National / International Collaboration).**

1. The Department plans to introduce emerging areas like cognitive sciences into curriculum and focus areas for research.
2. Plans to introduce Foreign Language courses as electives
3. Plans to establish collaborative research programmes with internationally reputed Institutions.
4. Plans to involve in cutting edge research with social relevance. Establishing Confucius Classroom.

### **Department of Bio-Informatics**

1. **Name of the Department:** Bioinformatics
2. **Year of establishment:** 2007
3. **Is the Department part of a School / Faculty of the university:** School of Life Sciences
4. **Names of programmes offered :**  
M.Sc., M.Phil., Ph.D., PG Diploma in Cheminformatics
5. **Examination System:** Choice Based Credit System
6. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1		1
Associate Professors	1	1	0
Asst. Professors	4	3	3
Others			-

7. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.N.Jeyakumar Professor	Ph.D.,	Computational Biology and Bioinformatics	18 Years Teaching and Research	Ph.D., Awarded 4 Submitted 1 M.Phil. 8
Dr.P.Shanmugavel Assistant Professor	Ph.D., D.Sc,	Computational Biology	11 years Teaching and 20 Research	Ph.D., Awarded 13, Submitted: 1 M.Phil.,: 10
Dr.N.Sundara Baalaji, Assistant Professor	Ph.D	Structural Biology and Biophysics	8 years & 11 years	M.Phil: 10
Dr.M.Jeyam Assistant Professor	M.Sc., M.Phil., Ph.D., PGDBI	Biochematics	8 Years Teaching 12 Years in Research	M.Phil., :12

8. **Percentage of classes taken by temporary faculty – programme-wise information**  
No temporary faculty
9. **Programme-wise Student Teacher Ratio:** Ph.D., 8:1, M.Phil., 4:1, M.Sc., 40:4 (10:1)
10. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

S.No	Position	Sanction	Filled
1	System Analyst	1	-
2	ATO	1	-
3	OA	1	-
4	Peon	1	-

11. **Research thrust areas as recognized by major funding agencies**  
Bioinformatics, Computational Biology, Structural Biology, Biochemistry

**12. Number of faculty with ongoing projects from**

- a) National - 4
- b) International funding agencies - NIL
- c) Total grants received. – 2 cores

**Give the names of the funding agencies, project title and grants received project-wise.**

1. Dr.N.Jeyakumar, Data Mining of High Altitude Diseases, DRDO, Rs. 20.00 lakhs, 2014-2017
2. Dr.N.Jeyakumar, Biomedical Literature Mining of MTP, DBT-MRP, Rs.43.4 lakhs, 2013-2016
3. Dr.P.Shanmugavel, DBT Bioinformatics Centre, DBT, 37.30 lakhs, 2006-2015
4. Dr.P.Shanmugavel, Molecular Interaction studies of Human Neuronal  $\alpha 7$  Nicotinic Acetylcholine Receptor with Neurotoxins and Neurotransmitters. A Structure Based Drug Discovery paradigm, DBT, 23.179 laks, 2010-2013
5. Dr.P.Shanmugavel, Cheminformatics Programme, UGC, New Delhi, 50.0 laksh 2012-2017
6. Dr.P.Shanmugavel, Computational Identification of promoter regions in Fungal Genomes UGC, New Delhi, 10.39 lakhs, 2012-2015
7. Dr.P.Shanmugavel, In-silico molecular design of anti-HIV Microbicides and Preclinical Evolution, ICMR, New Delhi, 13.85 laksh, 2013-2017
8. Dr.N.SundaraBaalaji, Structural Characterization of integral membrane proteins with Proteolytic activity from pathogenic bacteria species, DST, 17, 90 Laksh, 2010-2013
9. Dr.N.SundaraBaalaji, Structural studies on Membrane Bound and Soluble Quorum Sensing Proteins of *Salmonella typhi*, ICMR, Rs: 28,60,090, 2012-2015
10. Dr.M.Jeyam, Isolation and *in silico* evaluation of bioactive compounds from Wheat seedlings for Depression and T-cell mediated autoimmune Diseases”, UGC-Major Research Project, Rs.8, 88, 700. 2009-2012

**13. Inter-institutional collaborative projects and associated grants received**

- a) National collaboration b) International collaboration : Nil

**14. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.****DBT Bioinformatics Centre:**

The Ministry of Science and Technology, Department of Biotechnology (Bioinformatics Division), Government of India, New Delhi has sanctioned a grant of Rs.49.9 lakhs to the Department of Bioinformatics, Bharathiar University, Coimbatore under the Biotechnology Information System Network (BTISnet) program of this department. Under this grant the Bioinformatics Infrastructural facility (BIF) for the promotion of BIOLOGY TEACHING THROUGH BIOINFORMATICS (BTBI) SCHEME OF BTISnet will be established in the Department of Bioinformatics of Bharathiar University.

**15. Research facility / centre with**

- **State recognition: Nil**
- **National recognition**

The Ministry of Science and Technology, Department of Biotechnology (Bioinformatics Division), Government of India, New Delhi has sanctioned a grant of Rs. 49.9 lakhs to the Department of Bioinformatics, Bharathiar University, Coimbatore under the Biotechnology Information System Network (BTISnet) program of this department.

**International recognition**

The computational Biology Division, Department of Bioinformatics, Bharathiar University, Coimbatore has Partnership with the Global Forest Information Service (GFIS), International Union of Forestry Research Organization (IUFRO), Vienna, Austria.

**16. Special research laboratories sponsored by / created by industry or corporate bodies : No****17. Publications:**

S.No	Published in / Faculty	Dr..N.J	Dr.P.S	Dr.N.S	Dr.M.J
1.	Number of Papers published in peer Reviewed Journals (National / International)	22	20 15 5	5	15
2.	Monographs	-	-	-	-
3.	Chapters in Books	2	5	-	2
4.	Edited Books	-	-	3	-
5.	Books with ISBN with Details of publishers	1	9	3	-
6.	Number listed in International Database	-	-	1	-
7.	Citation Index – Range/Average	-	574	-	2
8.	SNIP / SJR	-	-	-	-
9.	Impact Factor-range/Average	3	17	6.8	4.46(ICV)
10	H-index	11	13	-	4

**18. Details of patents and income generated : Nil****19. Areas of consultancy and income generated : Nil****20. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil****21. Faculty serving in****Doctortrial Committee**

- 1) SRM Univeristy
- 2) Karunya University
- 3) Kalasalinagam University
- 4) Periyar University

**Member, Board of Studies:**

- 1) Karunya University, Coimbatore
- 2) Avinasilingam University for women, Coimbatore
- 3) Chetenad Univeristy, Chennai
- 4) Periyar University

**National committees**

- 1) Mentor-DST Inspire Programme (2010-Till date) (Dr. P. Shanmugavel)
- 2) ICMR Grid Project (2009-12) (Dr. P. Shanmugavel)
- 3) ICMR Sub Group Committee Member – Microbicides-2011 to till date

**International committees**

1. IEEE Engineering in Medicine & Biology Society - Reviewer Committee – (2009-till date) (Dr. N.JEYAKUMAR, DR. P.SHAMUGAVEL)

## 22. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). (Give Faculty name)

- Dr.P.Shanmugavel Attended **National workshop on Computational Biology** organized by Department of Bioinformatics, Bharathiar University, India on **10.3.11 to 11.3.11**
- Dr.P.Shanmugavel Attended the **Short Term Course for Research Guides**, organized by UGC Academic staff college, Bharathiar University, Coimbatore, INDIA on **25.01.09 to 31.01.09**
- Dr.N.SundaraBaalaji. Attended **Refresher Course in Life Sciences** held at UGC-Academic Staff College, Bharathiar University, Coimbatore, during **19/11/2013 to 09/12/13**
- Dr.N.SundaraBaalaji Attended **National workshop on Positive Attitude and Constructive Thinking** organized by Bharathiar University, India on **30.7.12 to 1.8.12**
- Dr.N.SundaraBaalaji Attended **Orientation Course** held at UGC-Academic Staff College, Bharathiar University, Coimbatore, during Oct. 6<sup>th</sup> to Nov. 2nd, 2010.
- Dr.N.SundaraBaalaji Attended the **National Workshop on Bioinformatics**, organized by Department of Bioinformatics, Bharathiar University, INDIA on **03.03.10**
- Dr.M.Jeyam Participated in the **National Workshop on “Application of Molecular Modeling and Structural Informatics”** by Alagappa University in association with Schrodinger, USA, at Alagappa University, Karaikudi from 27-01-10 to 29-01-10.
- Dr.M.Jeyam Participated in **3<sup>rd</sup> Asian Lepidoptera Conservation symposium and Training Programme** in Bharathiar University, on 25-29 October 2010.

### Orientation :

- Dr.M.Jeyam Attended Orientation course (General) conducted by the Academic Staff College, University of Madras, Chennai from 06-08-2010 to 02-09-2010 and obtained Grade “A”.

### Refresher:

- Dr.M.Jeyam Attended Refresher course in Nanoscience (Interdisciplinary) was conducted by the Academic Staff College, Bharathiar University, Coimbatore from 01-12-2011 to 21-12-2011 and obtained Grade “A”.

## 23. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : 40%
- percentage of students doing projects in collaboration with other universities / industry / institute: 60%
- percentage of students who have done in-house projects including inter-departmental projects: 20%

## 24. Awards / recognitions received at the national and international level by

- Faculty - N. JEYAKUMAR, Nominated for Bhatnagar Prize  
Dr.P.Shanmughavel Nominated for Indian academy of Sciences, Bangalore, The National Academy of Sciences, Alahabad, Indian Academy of Agricultural Sciences, New Delhi, Indian National Science Academy, New Delhi.  
Dr. N. Sundara Balaji Nominated for INSA Young Scientist; Post Doctoral Scholar award from American Heart Association, USA
- Doctoral / post doctoral fellows - Nil
- Students - Ms.K.Ramya (GATE 2012)



**25. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. (Organizing faculty give no of participants and one key speaker name)**

1	One day National Seminar on Biodiversity informatics 30 <sup>th</sup> August 2013.
2	One day National Seminar on Current concepts in Bioinformatics 19 <sup>th</sup> March 2012
3	Two days National Seminar cum Workshop on Computational Biology March 10 <sup>th</sup> and 11 <sup>th</sup> 2011.
4	One National Level Seminar on Cheminformatics, April 2011
5	Two Days National Workshop for College Teachers, March 13 to 14, 2010
6	Opportunities in Bioinformatics 26 <sup>th</sup> February, 2009 No. of Participants: 50 Key Speaker: Dr.Madavan, Genetic Technology Pvt. Ltd.
7	National seminar cum workshop on fundamentals of Biochematics- NSWFB'13 7 – 13 February, 2013 No.of Participants: 19 Key Speakers: 1. Prof.Jayant Udganthan 2. Prof.M.Vijayan
8	MOTIF'15 – National Seminar on Bioinformatics and Biopharmaceuticals – NSBS – 03.03.2015 No. of Participants: 143 Key Speaker: Dr.Micheal Gromiha, Dr. Sindhum Sreejit

**26. Code of ethics for research followed by the departments**

- Obtain informed consent from all involved in the study and also give authorship to all them
- preserve privacy and confidentiality as per necessity
- Obtained approval from ethical committee for animal studies using biosafety laminar flow for fungal cultures to avoid environmental pollution with fungus and also to safeguard the students from fungus.

**27. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc., Bioinformatics 2010-2015 (Five year average)	50	5	10	100%	100%

**PG Diploma in Cheminformatics**

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG Diploma in Cheminformatics (2010-2015)	10	5	3	100%	100%

**28. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ph.D.	40%	60%	-	-
M.Phil.	30%	50%	20%	-
M.Sc	40%	30%	30%	-

**29. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

2012 GATE (33.73 percentile) – Ms.K.Ramya

### 30. Student progression

Student progression	Percentage against enrolled
PG to M.Phil.	25%
PG to Ph.D	50%
Ph.D. to Post-Doctoral	80%
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> <li>• Entrepreneurs</li> </ul>	NA
Entrepreneurs	Nil

### 31. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25
from other universities within the State	75
from universities from other States	-
from universities outside the country	-

### 32. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: D.Sc. -1

### 33. Present details of departmental infrastructural facilities with regard to Library – 1

- Internet facilities for staff and students : All students have well connected Internet facility Thorough University 8 Mbps network
- Total number of class rooms: 2
- Class rooms with ICT facility: 2
- Students' laboratories: 2
- Research laboratories: 4

### 34. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university : 9
- from other institutions/universities : 4

### 35. Number of post graduate students getting financial assistance from the university. 2 (1.Free education, 2.Single girl child)

### 36. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology : No

### 37. Does the department obtain feedback from

#### a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- The curriculum is being regularly analysed and changed based on the feedback from the faculty who is handling the respective papers. Their feedback is taken to the Board of Studies and with the permission of the board the papers are changed; As the evaluation pattern is common to all mostly the evaluation pattern is not changed; Based on the feedback from the faculty, the classrooms were fitted with LCD projectors and wifi connections. This has facilitated the staff to improve their teaching techniques.

#### b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- The feedback from the students was discussed among the faculty to identify the academically weak students. The course coordinator was directed to tend to the students need for their improvement; The staff evaluation feedback was sought from students

regularly. The Head of the department analyses the feedback and if needed he discusses with the specific faculty individually. The feedback from the students were also taken up for curriculum designing during the board of studies meeting.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

- The curriculum was revamped at regular intervals at Board of Studies meeting wherein the student alumni and industrial experts are also members. Based on the view of those members, the faculty who handles the paper and HOD, the contents in the paper is changed; Besides the regular curriculum, the course coordinator is advised to stress upon students for improving the soft skills mainly communication skills.

**38. List the distinguished alumni of the department (maximum 10) (Each faculty give 3 names)**

- 1) Mr.S.Vinoh is a Ph.D., Research Scholar at University of Natural Resources and Life Science, Vienna
- 2) Mirdul.R - HR, Devidhaah Apparels, Kinfra park, Thiruvananthapuram.
- 3) Nidhin.P.K - Food Quality assurance Officer, Sharjah.
- 4) Suda.P – Research Scholar in Germany

**39. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

1. On 12-12-2012, Dr.S.Subramanian, Professor and Head, Department of Psychology, Bharathiar University gave a lecture on personality development.
2. On 14-12-2012, Dr.M.Jeyakumar, Professor and Head, ECG&SW, Bharathiar University explained the placement opportunities for the Bioinformaticians.

**40. List the teaching methods adopted by the faculty for different programmes.**

Class room, PPT, on-line test, assignments, open book programming problems

**41. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Periodic tests (3 in semester) assignments (3 in semester), seminar (as per need)

**42. Highlight the participation of students and faculty in extension activities.**

Badminton (2012); Photography Club, Scientific Writing Club (annually from 2010 onwards); Trekking to Near by Hills like Sanjeevini Hill (2012)

**43. Give details of “beyond syllabus scholarly activities” of the department.**

MOTIF a student level symposium organized every year by the student this includes science quiz, Sudoku etc

**44. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No**

**45. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The dept. developed no. of databases on online computational tools name few Name includes PPInterFiner, HPMiner, MYCOTBBASE etc.

**46. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

The department is interdisciplinary with intersection of biology with IT, The faculty is specialized in both domains

Students have placements / project opportunities in IT industries as well Biotech Research

**47. Future plans of the department.**

- High End Data Mining servers
- Computational Biology major diseases
- Bio-Diversity Informatics
- Membrane protein purification and Modeling, Crystallization
- Screening medicinal plants for antioxidant and antifungal activity.
- Isolation of phytocompounds from nutraceuticals to combat neurodegenerative diseases.
- Evaluating the efficacy of polyherbal formulation against dermatophytes/ fungi through *in vitro* and *in vivo* studies.
- Identifying the drugs/leads from the phytocompounds for the treatment of dermatophytosis / fungal diseases.
- TLC bioautography for plant extracts against dermatophytosis.

### **Department of Botany**

1. **Name of the Department :** Botany
2. **Year of establishment :** 1977
3. **Department comes under** School of Life Sciences, Faculty of Science
4. **Name of programmes offered :** M.Sc., M.Phil. , Ph.D. in Botany
5. **Details of programmes discontinued, if any, with reasons :** Nil
6. **Examination System:** Choice Based Credit System and Semester pattern.
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	2	2	4
Associate Professors	3	2	Nil
Asst. Professors	2	1	3

8. **Faculty profile with name, qualification, designation, area of specialization, total experience – research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided	
				Ph.D.	M. Phil.
Dr. V. Narmatha Bai, Professor & Head	M.Sc., Ph.D.	Reproductive biology, Tissue culture, Conservation biology	26 & 30	17	26
Dr. V.R.K.Reddy, Professor	M.Sc., M.Phil., Ph.D.	Cytogenetics, Plant breeding, Molecular biology	26 & 30	21	40
Dr.A.Rajendran, Professor	M.Sc., Ph.D.	Plant systematic and Ethnobotany	15 & 25	26	42
Dr.V.S.Ramachandran, Professor	M.Sc., Ph.D.	Angiosperm Taxonomy, Ethnobotany	28 & 32	6	9
Dr.T.Parimelazhagan, Professor	M.Sc., Ph.D.	Phytomedicine	5 & 13	5	9
Dr.T.Muthukumar, Assistant Professor	M.Sc., M.Phil., Ph.D.	Root and Soil Biology, Environmental Botany, Bioinoculants	8 & 17	3	10
Dr. K. Vasanth, Assistant Professor	M.Sc., Ph.D.	Plant Molecular Biology	2 & 13	-	2
Dr. T. Sekar, Assistant Professor	M.Sc., Ph.D.	Phytochemistry	1 & 3	-	-

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors**

S. No	Name and Address	Purpose
1	Dr. Augustina Genia Fongod Dept. of Botany & Plant physiology, University of Buea, Cameroon	C.V Raman International Fellowship for African Researchers by DST during the month of May 2013
2	Dr. Sarasan, Scientist, Royal Botanic Gardens, Kew (RBG Kew), United Kingdom	Visited the Department and interacted with faculty and students and delivered lecture on Biodiversity conservation under TANSCHER visiting Professor scheme during the month of September 2013

**10. Percentage of classes taken by temporary faculty- programme wise information: Nil****11. Programme-wise Students Teacher Ratio**

M.Sc. Botany	M.Phil. Botany	Ph.D. Botany
40/8 = 5:1	16/8 = 2:1	64/8 = 8:1

**12. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

Staff	Sanctioned	Filled	Actual as on date
Technical	3	3	1
Administrative	1	1	1
Lab attender	1	1	NIL

**Research thrust areas as recognized by major funding agencies**

- Collection identification and documentation of endemic, RET (rare, endangered and threatened) plant species, medicinal and other economically useful plants (Biodiversity assessment). Documentation of traditional knowledge on food and medicinal plants for human welfare (Ethnobotany).
- Screening of underutilized plant species for their potential as food, feed, nutraceuticals and medicinal values (Bioprospecting).
- Propagation of plant species which need more immediate attention for conservation through *in vitro* techniques (Reproductive biology and plant tissue culture).
- Utilization of plant-microbe interactions and Bioinoculant technology for production and conservation of plant species (Microbiology).
- Improvement of crop plants for qualitative and quantitative characters. Biochemical and molecular characterization of genes (Cytogenetics and plant breeding).
- Genetic transformation (Plant molecular Biology).

**13. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:****National**

Dr.V.Narmatha Bai (Professor& Head):

- Survey, documentation, in vitro propagation and Ex situ conservation of orchids of Vellingiri Hills, Nilgiris biosphere reserve, Western Ghats. UGC-Rs.10,78,933 (2010-2013)

Dr. S. Manian, Professor (Rtd.) :

- Commercial trial of two selected natural sources of saponins as feed additive in poultry production. UGC – Rs.2,00,000 (2010-2011)

Dr. V.S.Ramachandran (Professor, Rtd.):

- Biodiversity Assessment of Karunya University Campus, Coimbatore. Karunya University – Rs. 60,000 (2009-2010)
- Inventorisation, Documentation and Conservation of Endemic Angiosperms of Nilgiris, Tamilnadu, Nilgiri Biosphere Reserve. UGC – Rs. 7,69,300 (2009-2012)
- Documentation, Cataloging and Domestication of Wild Ornamental Potential Plants from Nilgiris. CSIR – Rs. 15,23,000 (2013-2016).
- Status and Distribution Surveys Selected CR/EN/DD taxa in the Wild . TBGP- Rs. 6,29,520 (2013-2014)

Dr. A. Rajendran (Professor ):

- Assessment of Rare, Endemic and Endangered Plants of Velliangiri Hills, the Southern Western Ghats, India. UGC – Rs.8,03,800 (2011 – 2014)

Dr. T. Parimelazhagan (Professor):

- Phytochemical and pharmacological investigations of Rhodiola. DIHAR – DRDO- Rs. 9,97,000 (2008 – 2011)
- Nutritional and phytochemical investigations of Buckwheat. DIBER – DRDO – Rs. 9,92,000 (2010 – 2012)
- Evaluation of Passiflora species of Southern India for Nutritional and antioxidant properties. UGC- Rs. 10,25,00 (2010 – 2013)
- Qualitative extraction from tulsi leaves from Coimbatore region using organic solvents for quantification of bioactive compounds. INMAS-DRDO – Rs. 4,86,000 (2012 – 2013)
- Combinatorial chemopreventive potential of Ficus species and natural non-nutritive compounds against Breast cancer – a novel approach. DST-SERB – Rs. 12,00,000 (2013 – 2015)
- Development of Nutraceutical from underutilized seed embryo of Palmyrah. DRDO- BUCLS- Rs. 25,30,000 (2014-2017)

Dr. K. Vasanth (Assistant Professor):

- Cryopreservation of long term storage of endangered plant species. TNSCST- Rs.4,20,000 (2014-2016)

### **International**

Dr. T. Muthukumar (Assistant Professor):

- Indo-Swiss collaboration in Biotechnology project on Biofertilization and Bioirrigation for sustainable mixed cropping of Pigeon pea and Finger Millet. DBT- Rs.65,04,000 (2014-2017)

## **14. Inter-institutional collaborative projects and associated grants received**

### **a) National collaboration**

- Industrial collaboration with Parry Agro Industries Ltd. Valparai in disease forecasting for Tea plantations – One fellowship was awarded.
- Industrial collaboration with Suguna poultry farm Ltd., for feed supplements to poultry – One fellowship was awarded. (Grants received 5 Lakhs)
- Collaboration with DRDO labs (DIHAR, INMAS & DIBER) in the field of Nutraceutical development and phytochemistry of medicinal plants for the benefit of armed forces. Three projects were completed. One project is ongoing (Grants received 25.30 Lakhs)

### **b) International collaboration :**

- One faculty was granted Indo-Swiss collaboration in Biotechnology project on Biofertilization and Bioirrigation for sustainable mixed cropping of Pigeon pea and Finger Millet, Rs. 65, 04, 00 lakhs

## **15. Special research laboratories sponsored by/ various functioning agencies:**

- Departmental projects funded by DST-FIST, UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received
- The Department of Botany has been recognized by DST-FIST  
Total cost Rs. 29.50 lakhs for 5 years
- Submitted proposal for UGC-SAP

## **16. Publications:**

Details	Numbers
Number of papers published in peer reviewed journals (national / international)	150
Chapters in Books	20
Number listed in International Database (For e.g. Web of Science, etc.)	-

Citation Index – range /average	700
SNIP	3.74-14.37
SJR	-
Impact Factor – range / average	0.25 - 3.50
H-index	36

## 17. Details of patents and income generated

### Patents Filed

- Dietary supplement and method of manufacturing the dietary supplement (No.1119/CHE/2010)
- Method and Composition for Treatment of Wounds (No. 2088/CHE/2011)

## 18. Areas of consultancy and income generated: Nil

## 19. Faculty selected nationally / internationally to visit other laboratories / institutions / Industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)

Dr. S. Manian:

Type: International.

Purpose: Explore mutual areas of cooperation in faculty and student exchanges

Institution: University of Bedfordshire, UK; University of Montana, USA; Georgia

Institute of Technology, Atlanta, USA

Month & Year: September 2011

Dr. T.Parimelazhagan:

Type: International.

Purpose: Raman fellowship for post doctoral research

Institution: University of Hawaii, USA

Month & Year: December 2014 to November 2015

## 20. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. S.Manian

- Member in UGC & UPSC
- Member, Advisory committee in International conference held at Malaysia and Thailand

Dr. V. Narmatha Bai

- Reviewer for Current Science, Acta Horticulture, Indian Journal Biotechnology, African Journal of Biotechnology, African Journal of Agriculture

Dr. V. R. K Reddy

- Editorial member for Journal of Cytology & Genetics
- Elected as “Fellow” (FSCG) of Indian Society for Cytology and Geneticists

Dr. T. Parimelazhagan

- Editorial member Progressive Horticulture

Dr. T. Muthukumar

- Editorial Member of: Biology and Fertility of Soils, Springer Verlag Netherlands.
- Reviewer for: (Acta Physiologiae Plantarum, African Journal of Agricultural Research, African Journal of Biotechnology, African Journal of Food Science, African Journal of Plant Science, Anales de Biología, Archives in Agronomy and Soil Science, Biology and Fertility of Soils, Biomass and Bioenergy, Canadian Journal of Microbiology, International Journal of Plant Physiology and Biochemistry, Mycorrhiza.)



**21. Faculty recharging strategies (UGC, Refresher / orientation Programs, workshops,**

- Dr. A. Rajendran, Attended a workshop on “*Quality Management*” organized by Defence Institute of Quality Assurance, Bangalore on 19<sup>th</sup> September to 21<sup>st</sup> September, 2011.
- Dr. K. Vasanth attended Orientation Programme organized by UGC-Academic Staff College, Bharathiar University, Coimbatore (11.05.2011-08.06.2011)
- Dr V S Ramchandran, Dr T Parimelazhagan & Dr T Muthukumar attended workshop on Academic Performance Indicators, organized by UGC-Academic Staff College, Bharathiar University, Coimbatore (23/01/12 to 25/01/2012)
- Dr. K. Vasanth attended Refresher course in Life Sciences (Multidisciplinary) organized by UGC - Academic Staff College, Bharathiar University (19.11.2013-07.12.2013).
- Dr. T. Muthukumar attended Refresher course in Life Sciences (Multidisciplinary) organized by UGC - Academic Staff College, Bharathiar University (19.11.2013-07.12.2013).
- Dr. T. Sekar, participated in the UGC sponsored workshop on Educational Leadership and short term ‘e-content Development’ at Bharathiar University, Coimbatore.

**22. Students projects**

- Percentage of students who have done in-house projects including inter-departmental Projects: **97%**
- Percentage of students doing projects in collaboration with other universities/industry/institute: **3%**

**23. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)**

1. Prof. Dr. V. Narmatha Bai-25<sup>th</sup> Years of unblemished service (2014) Bharathiar University, India.
  2. Prof. Dr. V.R.K. Redddy-25<sup>th</sup> Years of unblemished service (2014) Bharathiar University, India.
  3. Dr. R. Senthilkumar - Post doctoral fellow (2013) Southeast University, China
  4. Dr. K. Sowndharajan - Post doctoral fellow (2012) Kangwon National University, Republic of Korea.
  5. Dr. Blassan P George - Post doctoral fellow (2013) University of Johannesburg, South Africa.
  6. Dr. K. Arunachalam - Post doctoral fellow (2014) Federal University of Mato Grosso, Brazil
  7. Dr. S. Saravanan - Post doctoral fellow (2014) Federal University of Sergipe, Brazil
  8. Dr. G. Mahendran - Kothari Post doctoral fellow (2014) UGC, Govt. of India
- **Students**
    1. Elizabeth George-GATE cleared (2013)
    2. Murugan R.-Young Scientist Award in EVOGEN-2013, Organized by Karunya University, Coimbatore (2013)
    3. S. Gowtham- Summer research fellowship, IISc, Bangalore (2013)
    4. Aravindhan V-SET qualified (2013)
    5. Swathi Krishna-DST-INSPIRE fellowship (2013)
    6. Amal.T.Cheeran-Best presentaion award National conference on Recent Trends in Plant Biotechnology, Bharathidasan University, Tiruchirapalli. (2013)
    7. C. Udhayavani-Summer research fellowship, IISc, Bangalore (2012)

8. Sajeesh T.-Cleared CSIR-UGC Eligibility for Lectureship (NET) (2012)
9. Dhivya S.-Post graduate merit scholarship by UGC (2012-2014)
10. Abirami T.-Post graduate merit scholarship by UGC (2012-2014)
11. Revathi P. -DST-INSPIRE fellowship (2012)
12. M. Iniyavan-Best poster award in International Workshop on Phytochemical analysis of Therapeutically Active constituents of Pharmaceutically Important Medicinal Plants”, , University of Pune, Maharashtra (2012)
13. Sajeesh T.-GATE cleared (2011)
14. Elizabeth George-Post graduate merit scholarship by UGC (2011-2013)
15. Arunachalam K-RGNF-UGC (2011)
16. Jayanthi P.-RGNF-UGC (2011)
17. Gomathi R.-DST-INSPIRE fellowship (2011)
18. M. Linga Devi-Best presentation award in National Conference on Genomics, organized by Periyar University, Salem. (2011)
19. Sajeesh T.-GATE cleared (2010)
20. Selvalexshmi S-DST-INSPIRE fellowship (2010)
21. Rahul Chandran-DST-INSPIRE fellowship (2010)
22. K. Arunachalam-Best poster award in International conference on Medicinal plants and herbal drugs: challenges and opportunities in cultivation, sustainable, utilization and conservation, Pachaiyappa's College, Chennai (2010)

**24. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants**

S. No	Date & Duration	Title of the Activity	Funded by	No. of Participants			
				Within State	Outside State	Foreign	Total
1	8 & 9 <sup>th</sup> Sept. 2010	National Conference on Herbal Medicine	DRDO, DBT, MOEF and CSIR	300	100	-	400
2	26 <sup>th</sup> & 28 <sup>th</sup> Nov. 2010	XX <sup>th</sup> Annual Conference of Indian Association for Taxonomy and International Symposium on Taxonomy, Plant diversity and Conservation	NBA, DST, IAAPT	200	200	1	401
3	8, 9 & 10 <sup>th</sup> Feb. 2011	Workshop on Recent Trends in Plant Sciences	UGC	30	--	--	30
4	3 <sup>rd</sup> Mar. 2011	Workshop on Botanical Techniques	UGC	30	--	--	30
5	11 & 12 Aug., 2011.	DRDO Sponsored Workshop on IPR: Opportunities, Issues & Challenges	DRDO	300	50	--	350
6	23 & 24 Feb., 2012	Workshop on Man and Medicinal Plants	ICMR	200	50	--	250
7	1 to 16 Mar., 2012	DBT Short Term Training Course on Bioprospecting of Medicinal Plants: A biotechnological approach	DBT	13	2	--	15
8	4 <sup>th</sup> and 5 <sup>th</sup> Oct. 2012	National Conference on Phytomedicine	DRDO,DST, DBT & MOES	250	150	--	400
9	9 <sup>th</sup> Mar. 2013	Oneday training Programme on Plant identification techniques	-	30	--	--	--

10	1 & 2 Aug., 2013	National Workshop on "Intellectual Property Rights - Enlightenment for Creative Thoughts and Creative Minds"	DRDO	250	50	---	300
11	16- 17August 2013	Reassessment of Neo-Endemic Plants from Southern Western Ghats, South India	NBA	150	--	--	150
12	13 Dec 2013	Current Scenario in Botanical Research	DST-PURSE	150	-	-	150
13	29 <sup>th</sup> & 30 <sup>th</sup> , January, 2014	"Emerging Trends in Biodiversity Conservation and Sustainable Utilization (NSBCS)" during funded by and members participated.	Bharathiar University under UGC – XI Plan Scheme	250	-	-	250

## 25. Code of ethics for research followed by the departments

- Usage of minimum number of animals for studies related to pharmacology
- Researchers are instructed not to indulge in plagiarism
- Issues pertaining to the researchers are settled amicably

## 26. Students profile programme-wise

Name of the Programme (refer to question no.4)	Applications received	Selected Male	Selected Female	Pass percentage Male	Pass percentage Female
PG 2014-15	61	4	15		
M.Phil. 2014-15	5	-	3		
Ph.D. 2014-15	13	4	3		

## 27. Diversity of students

Name of the Programme	% of Students from the same university	% of students From Universities Within the State	% of students From Universities Outside the State	% of Students From Other Countries
PG	80	14	6	-
M.Phil	60	35	5	-
Ph.D.	70	20	10	-

## 28. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S.No.	Name	SET/GATE Cleared	Year
1	Elizabeth George	GATE cleared	2013
2	Aravindhan V	SET qualified	2013
3	T. Betty	SET qualified	2012
4	Sajeesh T.	Cleared CSIR-UGC Eligibility for Lectureship (NET)	2012
5	Sajeesh T.	GATE cleared	2011
6	Sajeesh T.	GATE cleared	2010

## 29. Students progression

Student	Percentage against Enrolled
PG to M.Phil.	50
PG to Ph.D.	10
Ph.D. to Post-Doctoral	3
Employed	
• Campus selection	NIL
• Other than campus recruitment	30

**30. Diversity of staff:****Percentage of faculty who are graduates**

- From the same University : 50
- From other Universities within the State : 40
- From Universities from other States : 10
- From Universities outside the Country : Nil

**31. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil****32. Present details of departmental infrastructural facilities with regard to**

- a) Library : Total No. of books: 150
- b) Internet facilities for staff and students : 10
- c) Total number of class rooms : 03
- d) Class rooms with ICT facility : Nil
- e) Students' laboratories' : 02
- f) Research laboratories : 07

**33. List of doctoral, post-doctoral students and Research Associates**

- a) from the University : Nil
- b) from other institutions / Universities
  - Dr. Sree Kala Nair (PDF –DST)
  - Dr. Augustina Genia Fongod (PDF-DST)
  - Dr. T. Balu Prakash (RA-CSIR)

**34. Number of post graduate students getting financial assistance from the state government / UGC / Private trust/order**

S.No	Name	Awards	Year
1	Dhivya S.	Post graduate merit scholarship by UGC	2012-2014
2	Abirami T.	Post graduate merit scholarship by UGC	2012-2014
3	Elizabeth George	Post graduate merit scholarship by UGC	2011-2013
4	S. Ranganayaki	Indira Gandhi Single girl child Scholarship by UGC	2011-2013

**35. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: NA****36. Does the department obtain feedback from**

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Yes. The Faculty members give their inputs for the revision and upgradation of syllabus periodically and the same are included in the syllabus in consultation with the Members of Board of Studies.
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - At the end of every semester, the feedback from students on the programme and the contents of syllabus and also on the teachers are obtained and their feedbacks are discussed in the faculty meeting for further improvement.
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - Periodically the course content is sent for critical evaluation to alumini and their suggestions are included in updating the syllabus.

- One each from alumni and from industry is included as members of Board of studies in Botany.

**37. List the distinguished alumni of the department (maximum 10)**

- Dr. Blassan P George: Post doctoral researcher, Laser research centre, Faculty of health science, University of Johannesburg.
- Dr. R. Senthilkumar: Postdoctoral Fellow, Department of Hematology and Oncology, Zho- ngda Hospital Medical School, Southeast University, Nanjing, Jiangsu 210009, China
- Dr. D. Sowdhararajan: Postdoctoral Researcher, Department of Biological Environment, College of Agriculture and Life Sciences, Kangwon National University, Chuncheon-si, Gangwon-do, 200-701, Republic of Korea
- Rev. Fr. Biju John: Principal, Silver Heil Matriculation Higher Secondary School Calicut
- Dr. N. Loganayaki: Scientist, Suguna Poultry Pvt. Ltd.
- Dr. R. Ragupathi: Principal Scientist, Central Soil & Water Conservation Research & Training Institute, Ooty
- Dr. G. Mahendran: Post Doctoral fellow Dr. Kothari Fellowship, 2014, Bharathidasan University, Trichy
- Dr. Ananthalakshmi: Scientist –IFGTB
- Mr. S. Kumar: Research Associate –Taiwan University

**38. Give details of student enrichment programmes (special lectures / workshops / seminar) Involving external experts.**

- The student enrichment programmes are organised by Dept. of Botany by inviting distinguished external experts.
- Dr. V. Kabilan, Assistant Professor, Oral Biology, University of Medicine and Dentistry of New Jersey, delivered guest lecture on 1) Application of human lactoferrin in the treatment of oral infections and 2) Saliva as diagnostic tool for human infectious diseases on 10<sup>th</sup> Aug 2010
- Dr. G.R. Shivamurthy, Professor (Retd), Department of Studies in Botany, University of Mysore, delivered guest lecture on Biology of Parasitic Angiosperms on 17<sup>th</sup> Aug 2010
- Dr. H.S. Suresh, Scientist, Center for Ecological Sciences, Indian Institute of Sciences, Bangalore, delivered guest lecture on variability and sensitivity of dry forests to climate change: A long term study from Maruthamalai dry forests, Southern India on 30<sup>th</sup> Aug 2010
- Prof. A.S. Sankaranarayanan, Native Medicine, Charitable Trust, Coimbatore, delivered guest lecture on Opportunities for Botany Students on 24<sup>th</sup> Feb 2011
- Dr. V. Sivaram, Associate Professor, Department of Studies in Botany, Bangalore University, Bangalore, delivered guest lecture on Bees and bee keeping for multiple economic benefits on 22<sup>nd</sup> March 2011
- Dr. S. Ramasamy, Assistant Professor, Department of Molecular Biology, Madurai Kamaraj University, Madurai, delivered guest lecture on Mitochondrial dynamics during health and disease on 31<sup>st</sup> Jan 2012
- Dr. R. Venkatajothi, Senior Lecturer, Department of Microbiology, Asian Institute of Medicine Science and Technology (AIMST) University, Malaysia, delivered guest lecture on Modern trend in herbal remedies for cancer research on 14<sup>th</sup> Feb 2012
- Dr. P. Gopal, Assistant Professor, Centre for Plant Molecular Biology, Madurai Kamaraj University, Madurai, delivered guest lecture on A study on Bendi Yellow Mosaic Virus on 14<sup>th</sup> Feb 2012

- Dr. Viswanathan Palanisamy, Assistant Professor, Medical University of South Carolina, USA, delivered guest lecture on RNA binding protein in oral cancer on 26<sup>th</sup> July 2012
- Dr. M.V. Rao, Professor and Head, Department of Plant Sciences, Bharathidasan University, Trichy, delivered guest lecture on Biodiversity Conservation on 25<sup>th</sup> Feb 2013
- Dr. V. Kaviyarasan, Assistant Professor, Department of Botany, Centre for Advance Studies in Botany, University of Madras, Chennai, delivered guest lecture on Bioprospecting of Medicinal Mushrooms on 1<sup>st</sup> March 2013
- Dr. Vasudevan Ayyappan Scientist, College of Agriculture & Related Sciences, Delaware State University, USA, delivered Guest lecture on “Development and application of epigenomic methods towards a better understanding of the common bean Genome” on 19.08.2014.
- Mr. Joe R. L & D Consultant delivered Guest lecture on “Communication and Skill Development” on 04.02.2015.

**39. List the teaching methods adopted by the faculty for different programmes.**

- LCD
- OHP

**40. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through feedback from the teachers, students, alumni and industries ‘

**41. Highlight the participation of students and faculty in extension activities (year, Nature, Outcome etc.).**

The faculty members and students are involved in the following extension activities:

- Taxonomical Identification of plants for the students and research scholars
- Propagation methods for medicinal plants and horticultural plants to the rural people
- Participation in National Service Scheme
- Participation in Cultural programmes
- Technical support for establishment of Tissue culture Lab

**42. Give details of “beyond syllabus and scholarly activities” of the department.**

- Every month special lectures by eminent scholars and subject experts through Department is arranged in which the advancement in Biological sciences is discussed.
- Botanical tours, field trips and industrial visits are made mandatory in the curriculum.

**43. State whether the programme/department is accredited / graded by other agencies? If yes, give details: NA**

**44. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The contributions in terms of research papers, discussions made with the researchers of other Institutions fetched collaborative projects to take up research in the fields of biodiversity conservation and bioprospecting of medicinal plants and microbes. This facilitates the exchange of students and faculty between the laboratories to learn advanced techniques. This enriched knowledge paved the way and lay good foundation for the establishment of newer area of research.
- The efforts mentioned above has enhanced job opportunities for the students

**45. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength** of our department is the extensive and advanced research in botany with more research facilities available in the form of sophisticated instruments. These have resulted in acquiring more number of research projects, research publications and also academic linkages with other Universities /Institutes. The Department is regularly conducting workshop/seminar/conferences by inviting experts in their respective area of specialization which enable in updating current research developments in plant science.

**Weakness**

Though the department is funded by DST-FIST, it is yet to be recognized as Centre of Excellence and UGC-SAP program.

**Opportunities and Challenges**

Since the University is located in the foot hills of Western Ghats, it is an opportunity to establish and develop a biodiversity centre for medicinal and endangered plants for *in situ* and *ex situ* conservation

**46. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- To strengthen the infrastructure of the laboratories to attract talented students for research and PG programmes.
- To forge more close interaction with Industries for obtaining sponsored research projects
- To strengthen the placement activities
- SAP
- Centre of Excellence.

### **Department of Environmental Sciences**

1. **Name of the Department :** Environmental Sciences
2. **Year of establishment :** 1987
3. **Department comes under :** Faculty of Science under School of Life Sciences
4. **Names of programmes offered :** M.Sc., M. Phil, Ph. D. in Environmental Sciences
5. **Details of programmes discontinued, if any, with reasons**  
M. Sc. Environmental Management was discontinued for want of adequate number of students
6. **Examination System :** Semester Pattern under Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1-1987	1-2007	1
Associate Professors	2-1987	2-2009	2
Asst. Professors	3-1988	3- 2005, 2010, 2013	3

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. M.V.Usharani, Professor & Head	M.Sc., Ph.D.	Environmental Genetics	27 years 30 years	Ph.D. – 2 M.Phil. 1
Dr.P.Siddhuraju, Associate Professor	M.Sc., M.Phil., Ph.D.	Bioresource Technology	16 years 19 years	Ph. D. – 6 M. Phil – 2
Dr.A.Manimekalan, Associate Professor	M.Sc., Ph.D.	Biodiversity, Molecular Taxonomy&GIS	09 years 14 years	Ph.D. – 5 M.Phil.- 4
Dr.M.Muthukumar, Assistant Professor	M.Sc., Ph.D.	Waste Water Treatment	11 years 13 years	Ph. D. – 7 M.Phil. – 2
Dr.L.Arul Pragasam, Assistant Professor	M.Sc., Ph.D.	Environmental Ecology	3.5 years 11 years	M. Phil. - 2
Dr.D.Prabha, Assistant Professor	M.Sc. Ph.D.	Bioremediation	05 years 09 years	

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors**  
1. Dr. P. Lakshmanaperumalsamy, Emeritus professor - 2015
10. **Percentage of classes taken by temporary faculty – programme-wise information**  
M.Sc.: Environmental Sciences: 20%.
11. **Programme-wise Student Teacher Ratio:** Ph.D.: 8:1; M.Phil.: 1:1; M.Sc. : 4.4: 1
12. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

	Sanctioned	Filled
Technical Officer	2	1
Asst. Section Officer	1	1
Office Assistant	1	0
Gardener	1	1



**13. Research thrust areas as recognized by major funding agencies**

UGC, DBT, DST, MoEF, DRDO, ICMR, ISRB

Environmental Genetics, Bio resource Technology, Biodiversity, Aquatic Ecology, Environmental Chemistry, Environmental Impact Assessment, Environmental Pollution and Degradation

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.****Completed projects**

S. No	Name of the Faculty	Funding Agency	Title of the Project	Amount (Rs.)	Duration	
					From	To
1.	Dr. M.V. Usha Rani	UGC	The Etiology and Genetic perspectives that influence the onset of obesity in a semi urban population of Tamil Nadu	7,94,400	2009	2012
2.	Dr. P. Siddhuraju	UGC	Studies on nutritional evaluation and biofunctional properties of selected underutilised legumes, Bauhinia vahilii, Canavalia ensiformis and Vigna vexillata through in vitro and in vivo approaches	9,73,450	2009	2013
5.	Dr. A. Manimekalan	UGC	Fish germplasm inventory, habitat quality assessment and mapping of streams/river of Southern Eastern Ghats linking with GIS	8, 50, 000	2011	2014
4.	Dr. M. Muthukumar	DRDO	Degradation of Xenobiotics	1,50,00,000	2006	2011
5..	Dr. M. Muthukumar	UGC	Degradation of organochlorine pesticide using electrochemical oxidation and reduction process	8,43,000	2008	2011

The department has completed five projects funded by UGC, Jatropower AG, Switzerland, Alexander von Humboldt (AvH) Foundation, Bonn, Germany to the tune of **Rs. 1,96,10,850 (One crore ninety six lakhs ten thousand eight hundred and fifty)** during the assessment period

**Ongoing Projects**

S. No	Name of the Faculty	Funding Agency	Title of the Project	Amount (Rs. in Lakhs)	Duration	
					From	To
1.	Dr.A.Manimekalan	DST-SERB	Biodiversity, conservation and molecular characterization of endemic and threatened fishes of Nilgiri Biosphere Reserve, Western Ghats	Rs. 41.06	2013	2017
3	Dr.A.Manimekalan	UGC-XII plan	Fish diversity, habitat quality assessment and mapping of river Bhavani linking with GIS	Rs. 1.00	2015	2016

**15. Inter-institutional collaborative projects and associated grants received**

Name	Title of the Collaborative Research Program Project	Name of the Collaborating Agency	Amount (Rs. in Lakhs)
<b>a. National</b>			
Dr. P. Siddhuraju	Screening of Natural Saponins for Feed Additives in Poultry Production	Suguna Poultry Farm Ltd, Coimbatore with Dept of Botany, Bharathiar University	5.00

b. International			
Dr. P. Siddhuraju	Biochemical evaluation, biofunctional prospecting, assessment of genetic basis of variability and characterization of genetic markers of diverse germplasm of <i>Jatropha curcas</i> including a collection from different agroclimatic regions of South India	Jatropower AG, Switzerland	8.00
Dr. P. Siddhuraju	Studies on nutritional evaluation of differentially processed certain underutilized legumes as alternative food and feed sources through in vitro and in vivo experiments	Alexander von Humboldt (AvH) Foundation, Bonn, Germany	12.00

**16. Departmental projects funded by DST-FIST; CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: DST-FIST – Rs. 35 Lakhs**

**17. Research facility / centre with**

The department has research facilities with state, national and international recognition. The centre's at various levels associated with the research facility of our department include.

**State recognition**

**JSS University, Mysore:** MOU was signed between JSS university and Dept of Environmental Sciences for exchange of students and research work. Continuation with MOU one day national seminar was organized with financial support from JSS university. Sakthi Sugar and Tata Coffee, Coorg: Collaborative industry institute research

**Diabetic Research Foundation:** Collaborative research work was carried out and DNA sequencing was done with diabetic research foundation.

**KMCH and GEM hospital** provided blood samples and clinical data for research work. Ethical clearance was obtained for carrying out the research on obesity.

Tamil Nadu Forest department, Kerala Forest Department and National Aquatic Biodiversity Expert

**National recognition**

Bureau of Fish Genetic Resources, Lucknow has recognized one of the freshwater fish taxonomy expert.

**International recognition**

Alexander von Humboldt (AvH) Foundation Bonn, Germany: Equipment grant with research project,

Jatropower AG, Switzerland: International collaborative project

National Science Foundation, USA, St. Louis University, USA, Rio Tinto, Australia:

Recognized one of the freshwater fish taxonomist and ecologist

University of Concepcion, Chile: Collaborative research work

**18. Special research laboratories sponsored by / various functioning agencies**

DST has awarded nine crores under PURSE program in that Inductively Coupled Plasma Mass Spectrometry (ICP-MS) instrument which costs about Rs. 75 Lakhs was installed and housed in Department of Environmental Sciences. It has greater speed precision and sensitivity compared to atomic absorption technic. It can detect metal and nonmetal at concentration as low as one part  $10^{15}$  (PPQ). This is useful for all research work in life science department.

**19. Publications:**

Name	Dr. MVU	Dr. CN	Dr.PS	Dr.AM	Dr. MM	Dr. LA	Dr.DP
Papers (N/Int)	14	5	27	9	14	5	6
Monographs	-	-	-	-	-	-	-
Book Chapters	1	-	-	-	-	1	-
Edited Books	-	-	-	-	-	-	-
Books with ISBN with details of publishers	-	-	-	1 ISBN: 81-7754-381-4, AGROBIOS (INDIA), Jodhpur	-	1 ISBN: 978-81-920894-1-6, Pond Uni. Pub	-
Number listed in International Database	8 Gen Bank NCBI Submissions	-	-	30 21 Gen Bank NCBI Submissions	-	-	-
Citation Index – range / average	603	1758	401	26	325	53	19
SNIP/SJR						-	-
Impact factor Range/ average	1.5/article		2.803/article		2/article	-	2.97/article
h-index	10	28	26	4	8	3	2

**20. Details of patents and income generated:**

A process for Denitrification of ground water (Govt. of India, The Patent office Patent NO.236768 application No.1433/DEL/2003 Dt. 19/11/2003) valid for 20 years from 19/11/2003.

**21. Areas of consultancy and income generated**

Rio Tincto, Australia based diamond mining company had a consultancy service to carry out the EIA work on fish biodiversity survey in the proposed diamond mining project site located in Chattarpur district of Madhya Pradesh, near small Municipal town of Bakswahathrough Minenviron System Nagpur. The department has generated a gross revenue of Rs.59,000/- from Rio Tinctoas consultancy fee.

**22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)**

Year	Name	Institution	Purpose
2010	Dr.C.Namasivayam	Finland, UK	Visiting Professor
2013	Dr.A.Manimekalan	National Research Institute of Fisheries Science, Fukuura, Yokohama, Japan	Visiting Scientist
2013	Dr.M.Muthukumar	North Carolina State Agricultural and Technology University, Greensboro, USA University of Cincinnati, Ohio, USA	For Collaborative Research

**23. Faculty serving in**

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

	Dr. MVU	Dr. PS	Dr.AM	Dr.MM
National	-	-	2	2
International	1	-	-	-
Editorial Board	3	3	1	-
Any Other	-	-	2	-

**24. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

**Dr. P. Siddhuraju, Associate Professor**

1. *Water Management Training* organized by Central Ground Water Board, Ministry of Water Resources, SECR, Chennai Water Technology Centre, Coimbatore, TN, during 8<sup>th</sup> and 9<sup>th</sup> December, 2010
2. *Designing and Development of Curriculum*”, organized by TNSTC organised by Curriculum Development Cell, Bharathiar University, Coimbatore during 25.02.2013 to 02.03.2013

**Dr. A. Manimekalan, Associate Professor**

1. Geospatial Technology and application, JSS University, Mysore. Sponsored by DST from 6<sup>th</sup> to 27<sup>th</sup> August, 2012.
2. Bioinformatics Tools & Resources in Fisheries Establishment ” from 24<sup>th</sup> to 28<sup>th</sup> 2011 organized by National Bureau of Fish Genetic Resources, Lucknow, under the project of National agricultural Bioinformatics Grid in ICAR” funded by National Agricultural Innovation Project, New Delhi.
3. Application of atmospheric Science and remote sensing in environmental management” Organized by DRDO-BU CLS. Sponsored by ISRO from 17 May to 1<sup>st</sup> June 2010
4. Development of self – Instructional Materials for Distance Learners” organized by the school of distance education and Academic staff college on 31.03.2010 at Bharathiar University, Coimbatore.
5. Essentials of C #” organized by ICT Academy of Tamil Nadu, during 22 & 23 Feb 2010.

**Dr. M. Muthukumar, Assistant Professor**

1. Water Quality Management, organised by Center for Water Resources Development and Management (CWRDM), Kozhikode, Kerala from 26.02.2015 to 28.02.2015.
2. Advanced Oxidation Technique-Skill training and Demonstration, organised by Anna University, Chennai, during 01.10.2014
3. Development and Administration of distance education system for faculty members, organised by the School of Distance Education, Bharathiar University, from 12.03.2014 to 13.03.2014.
4. E-content development, organised by the UGC-Academic Staff College, Bharathiar University, from 12.02.2014 to 14.02.2014.
5. Refresher Course in Environmental Studies (M), organised by the UGC-Academic Staff College, Bharathiar University, from 19.11.2013 to 09.12.2013.
6. Administration and development of distance education system, organised by the School of Distance Education, Bharathiar University from 27.03.2013 to 28.03.2013.
7. Staff Training and Development, organised by the School of Distance Education, Bharathiar University, from 10.03.2012 to 12.03.2012.
8. E- resources under UGC-INFONET Digital Library consortium, organised by the Arignar Anna Noolagam, Bharathiar University, on 15.09.2011.
9. Faculty Development Program, organised by the UGC-Academic Staff College, Bharathiar University, from 24.05.2011 to 26.05.2011.

**Dr. L. Arul Pragasam**

1. Workshop on “Ocean Acidification Research, NWOAR 2015”, organized by Department of Marine and Coastal Studies, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai, held at Madurai Kamaraj University, Madurai during 25<sup>th</sup> to 27<sup>th</sup> February 2015.

2. UGC-Sponsored “Refresher Course in Environmental Studies (Multidisciplinary)”, organized by UGC-Academic Staff College, Bharathiar University, Coimbatore, during 03<sup>rd</sup> to 23<sup>rd</sup> December 2014 (**21 days**).
3. National Seminar on Emerging Trends in Environmental Science and Technology (NSETEST-2014), 14-15<sup>th</sup> March, Yogi Vemana University, Andhra Pradesh.
4. International Conference on “Harmony with nature in context of Ecotechnological intervention and climate change (HARMONY-2013)”, during 11<sup>th</sup>-13<sup>th</sup> November 2013 at Gorakhpur University, Uttar Pradesh.
5. “Tree Biotechnology 2013” organized at Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore, sponsored by the Department of Biotechnology and Department of Science and Technology during 23-24 September 2013.
6. “Haselfre PACT Programme on Positive Attitude & Constructive Thinking” organized by Bharathiar University, Coimbatore, held during 30<sup>th</sup> July to 1<sup>st</sup> August 2012.
7. UGC-Sponsored “Orientation Programme”, organized by UGC-Academic Staff College, Bharathiar University, Coimbatore, during 8<sup>th</sup> May 2012 to 4<sup>th</sup> June 2012 (**28 days**).
8. Training course on “National Training cum Workshop on Analytical and Technical Advancement in AAS and GC (WATA-AG)”, organized by the Department of Marine Science, Bharathidasan University, Tiruchirapalli, during 24-25 January 2012.
9. A Training Programme on “Reducing of CO<sub>2</sub> and other Air Pollutants through Phytoremediation Techniques” organized by the Department of Environmental Biotechnology, Bharathidasan University, Tiruchirapalli, during 29-30 December 2011.
10. “Barcoding: Identification of Flora and Fauna”, jointly organized by Department of Ecology and Environmental Sciences, and Department of Biotechnology, Pondicherry University, Puducherry, held at Pondicherry University, Puducherry on 22<sup>nd</sup> & 23<sup>rd</sup> February 2010.

#### **Dr. D. Prabha, Assistant Professor**

1. Participated in the Faculty Training programme on “E-Learning preparation”, March 24 – 30, 2014, organized by Internal Quality Assurance Cell, Bharathiar University, Coimbatore – 641 046.
2. Participated in the 102<sup>nd</sup> Orientation programme, 20.8.2014 – 16.9.2014, organized by the UGC- Academic Staff College, Bharathiar University, Coimbatore – 641 046.

#### **25. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects : 30%
- percentage of students doing projects in collaboration with other universities / industry / institute : 70%

#### **26. Awards / recognitions received at the national and international level by**

- Doctoral / post-doctoral fellows

Name Students	Name of the Award	Name & Place of the Institution from where the awards was received
Dr. S. Anbazhagi	DST Fast track Fellowship Sep 2014-2017	DST-New Delhi
Ms. Rani Varghese	DST Inspire' 2010	DST, Delhi
Ms. Veena George	DST Inspire' 2011	DST, Delhi
Ms. Shanty Paul	Shortlisted for DAAD Fellowship' 2012 Erasmus Deutsch Fellowship	Germany
Mr. K. Rajkumar	Senior Research Fellow (2011)	CSIR, New Delhi

Ms. T. R. Ambili	Moulana Azad Fellowship	UGC, New Delhi
Mr. Haneesh Mohammed	Moulana Azad Fellowship	UGC, New Delhi
Sonam Sree K.	Moulana Azad Fellowship	UGC, New Delhi
Mr. A. Arunkumar	Best poster Award	Ecotechnologies, Bharathiar University
Ms. K. Rajakokila	Best Poster Award' 2011	SV University, Tirupathi, AP.
Ms. A. Sathiya	Best Poster Award' 2011	Indian Institute of Crop Processing and Technology (IICPT), Thanjavur, TN
Mr. K. Rajkumar	Best Poster Award'2011	Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu
Ms. K. Usharani	Best Poster Award'2010	Centre for Environmental and Technology, Kottayam, Kerala, India

## 27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants,

1. National seminar on Biodiversity and conservation on 30.3.2015 to with support from university to create awareness about the importance of biodiversity and conservation, around 80 participant registered and attend the seminar
2. National seminar on "Water resources and sustainable development" on 23.03.2015 jointly with JSS university Mysuru University to create awareness on water resources management. 175 participant benefited.
3. National conference on Ecotechnologies for Wastewater Treatment: Present Challenges and Future Horizons during 20.1.2014 – 21.1.2014 with University Fund support to give awareness on water conservation. 200 Participants were participated.
4. National workshop on "Awareness on Venomous/Non-Venomous Snakes and Handling of Non-Venomous Snakes" on 22.10.2013 to create awareness about venomous and non-venomous snakes and also about snake bites, 60 participants were benefited.
5. Intensive training workshop on "Facing interviews fearlessly" with the funding support from University was conducted for the students and Research Scholar of Dept. of Env. Sciences during 13.2.2013-14.2.2013 to Preparing students for interviews/placements, 60 participants were benefited
6. Science Academies' Lecture Workshop on Carbon Sequestration in Mitigation of Global Warming, with the University funding support on 20.3. 2012 to give awareness on carbon credits and its importance in mitigation of global warming. 150 Participants got benefited
7. DST- INSPIRE program was organized for School toppers with funding support from DST during 4.1.2011-8.1.2011 (5 days), to motivate higher secondary school students to pursue higher education in pure science. 200 Participants got benefited.

## 28. Code of ethics for research followed by the departments

Whenever permission is required and it was obtained from the ethical committee for obtaining blood samples and for handling animal samples for conducting research.

## 29. Student profile programme-wise:

Name of the Programme	Applications received	Selected Male Female	Pass percentage Male Female
M.Sc. (2014-15)	25	M- 6; F - 4	100
M.Sc.(2013-14)	43	M-2; F-5	100
M.Phil.	27	M-1; F-2	100
Ph.D. Scholar	12	M- 10; F-7	

### 30. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2014-15				
M.Sc.	60	40	-	
M.Phil.	100	-	-	
Ph.D.	25	50	25	

### 31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

UGC- NET( Four candidates cleared NET)

Ms. Shanty Paul –( 2010), Mr. Sathishkumar – ( 2011); Ms. Geethu – (2012)

Mr. Shalu Mon –( 2013)

### 32. Student progression

Student	Percentage against enrolled
PG to M.Phil.	16.2
PG to Ph.D.	7.4
Ph.D. to Post-Doctoral	20
Employed	
• Campus selection	
• Other than campus recruitment	80
Entrepreneurs	Nil

### 33. Diversity of staff

Percentage of faculty who are graduates	
From the same University	25%
From other Universities within the State	50%
From Universities from other States	25%
From Universities outside the Country	Nil

### 34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period – 1 Ph.D. (Dr. D. Prabha –Assistant Professor)

### 35. Present details of departmental infrastructural facilities with regard to

- Library - Yes. Apart from the Centralized common library, 500 reference books are maintained in the department.
- Internet facilities for staff and students - Yes, through local area network lines in the department and WiFi in the University.
- Total number of class rooms- 3
- Class rooms with ICT facility - 4
- Students' laboratories – 2+1 computer lab
- Research laboratories – 6 (Environmental Toxicology & Genetics, Bioresource Technology, Biodiversity & Conservation, Environmental Engineering, Environmental Chemistry, Ecology) + ICPMS Room + Instrumentation Room

### 36. List of doctoral, post-doctoral students and Research Associates

- A total of 13 doctoral student from the University and one Postdoctoral from other university

**37. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others:**

Year	State Govt	UGC	Private trust	Other
2014-2015	8	-	1	1
2013-2014	-	1	-	-
2012-2013	10	-	-	1
2011-2012	8	-	-	1
2010-2011	4	-	-	-

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Need Assessment is not done

**39. Does the department obtain feedback from**

**a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

YES. Weaker students were identified and extra care is taken for them.

**b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, there is a semester wise evaluation of teachers, using the Questionnaire, developed by IQAC itself. The feedback from the student is considered and accordingly we do the changes in the curriculum and in teaching.

**c) Alumni and employers on the programmes offered and how does the department utilize the feedback? –**

Yes. Both post graduate alumni and working professionals are interacted with and their feedback which enrich the discussions within the department with regard to course upgradation. Industry experts and Alumni Entrepreneurs are also on the Board of Studies as well.

**40. List the distinguished alumni of the department (maximum 10)**

1. Dr. Sushmitha Baskar, Assistant Professor, IGNOU, New Delhi
2. Dr. K. Prabhakar, Assistant Professor, Govt. Arts College, Moosiri. Aff: Bharathidasan University.TN
3. Dr. S. Rajakumar Assistant Professor, Bharathidasan University, Tiruchirappalli TN
4. Dr. K. Karthikeyan, Scientist & In-Charge (Laboratories), Division of Coastal and Marine Ecology, Gujarat Institute of Desert Ecology, Mundra Road, Bhuj – Kachchh, Gujarat - 370001.
5. Dr. K. Nantha Kumar, Scientist, TERI, New Delhi.
6. Dr. S. Sumitra, Assistant Professor, Yogi Vemana University, Kadappa, Andhra Pradesh.
7. Dr. S. Suryanarayana, Assistant Professor, JSS University, Mysore, Karnataka
8. Dr. M. Jayanthi, Assistant Professor, Periyar University TN
9. Dr. P.Thangavelu, Assistant Professor, Periyar University TN
10. Dr. P.Senthilkumar, Assistant Professor, Periyar University TN

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

1. 3.07.2014 Dr. Ramesh Sivan Pillai. Research Scientist-Remote Sensing. Dept. of Botany University of Wyoming, University Ave, Laramie, WY, USA, Forestry and RSGIS
2. Dr. A. G. Devi Prasad, Associate Professor, Dept. of Environmental Sciences, Mysore University, Mysore, Environmental Law and Policies Bioremediation



3. 11.3. 2014 Dr. J. Narayana, Professor and Head, Dept. of Environmental Science Kuvempu University Shimoga Karnataka, Wetlands and their Conservation Strategies– I & II
4. 07.03.2014 Dr. P. Rakkiyappan, Principal Scientist Crop Production Division, Sugarcane Breeding Institute, Coimbatore, Organic Recycling in Integrated Nutrient Management for Sugarcane
5. 03.03.2014 Dr. Ayyasamy, Professor (Retd), Tamilnadu Agricultural University, Coimbatore, Statistics and Research Methods in Environmental Management.
6. 03.01.2014 Dr. Ihara Jeffrey Land Landscape Ecologist Mira Costa College, Oceanside, USA, Effect of climate change on Southern California Marine Ecosystem
7. Nov.2012 Dr. K. Baranidharan, Ass. Prof., Divn. Of Biology and Wildlife, Forest College, Mettupalayam, Wild Flora and Fauna of Western Ghats
8. Dec. 2012 Dr. Sreenath Subramaniam Senior Endeavour Fellow, Charles University, Australia, Topical Environmental Challenges Today- Management Perspective
9. Aug 2011 Dr.N. Muniasamy, Director, Centre for Cellular and Molecular platforms, NCBS, Bangalore, Development of Expression systems for structural and functional studies
10. Sep 2011 Mr. M.K.Saravanakumar, News Editor, Earth Quake Researcher, News Now, Trichy Road, Coimbatore, Awareness about Earthquakes and Precautionary measures
11. Feb 2011 Dr. G. T.Chandrappa, Associate Professor, Dept. of Chemistry, Central College Campus, Bangalore University, Bangalore, Nanomaterial - synthesis, characterization and application as adsorbents for Environmental Remediation
12. Feb 2011 Dr.Takayoshi Suzuki, Section Chief, Division of cellular and gene Therapy Products, National Institute of Health Sciences, Tokyo, Japan, Plant toxins and Biomarker in Arsenic Toxicity
13. Dec 2010 Dr. Joshy V. Cherian, Managing Director, Omega Ecotech Products Pvt. Ltd. Ganapathy, Coimbatore, Organic Farming and Recycling Agricultural Solid Wastes

**42. List the teaching methods adopted by the faculty for different programmes.**

- Usual classes involving power point presentations, chalk-talk method and student seminars for PG students.
- Classes with power point presentations and student seminars and organizing special lectures for PG & Research scholars (both M. Phil and Ph.D.).
- Audio Visual Aids, Seminars, Group Discussions, Assignments, Projects, Workshops, Industrial Visits and field trips.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through continuous evaluation by internal assessments, assignments, student seminars.
- The first year PG students are undertaking summer projects and Second year PG students carry out their projects in various industries and research institutes and other university departments.

The research progress of the research students is evaluated by the regular lab meets by the respective research supervisor and also by the DC meetings which are implemented.

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

1. DST- INSPIRE program was organized for higher secondary school students (School toppers in 10<sup>th</sup> standard) with funding support from DST during 4.1.2011-8.1.2011. 200 Participants got benefited.

The students of the department have participated in

- Plastic free campaign 2010
- Census of animals at Sathyamangalam and Anamalai Forest 2010, 2011
- Planting saplings during World Environment Day( 2010, 2011, 2012, 2013)

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

- a. Students were taken for more industrial visit to get exposure on industrial activity and management, pollution and pollution control and waste management.
- b. Students were taken to field visit to various national park, wildlife sanctuaries and protected area to get knowledge on importance on wildlife conservation.
- c. Experts are invited from various field and made the student to interact with them
- d. Visiting remote villages for Creating Awareness in the activity practiced to take the students beyond syllabus.
- e. Students were creating awareness program related to usage of plastics and conservation importance of wildlife and nature.

**46. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The department shines achieving academic excellence both in teaching and research is reflected in the creation of sophisticated technological and manpower base in frontier areas of science and technology such as environmental genetics chemistry, engineering, GIS, satellite remote sensing, pollution studies, environmental monitoring of air, water and soil quality, environmental impact analysis, genome and biodiversity, occupational health survey etc.. Solving the scientific and environmental problems of the future will demand broad-based knowledge, flexible thinking and a passion for wrestling with tough questions. The Environmental Science discipline in the university is designed to make the graduate problem-solvers of the future, professionals who have the tools to answer questions that are yet to be answer.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weakness	Opportunities	Challenges
Open to feedback	50% of the students have language problems	Globalization has resulted in expansion of job opportunities	Recognition of the course by Teachers Recruitment Board
Focused approach	UG programme on Environmental Sciences is not offered by state universities	Industry is ready for collaboration	To increase funding for higher education by Government
Innovative		Many allied educational programs for upgradation (HRD, Industry)	Entry of foreign educational providers

Open door policy with students (Approachable staff)		alumni are well placed which encourages for openings and placements	To create more awareness on conservation strategies which is the need of the hour to meet the future demands of the society in general, environment in particular.
Encourages inter department programmes		Good number of openings in industry consultancy, Pollution Control Boards, Natural resource management and also in the hospitals.	

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

To become a leading University Department in the state through highest standards of teaching, research, creative expression and service to the community, the department plans to focus its research activities in the following thrust areas during the coming years. The thrust areas are:

- a. Environmental Genomics,
- b. Bio resource Technology,
- c. Environmental Monitoring and Impact Assessment,
- d. Sustainable Development of wetland & wasteland,
- e. Industrial Safety and Disaster Management,
- f. Natural Hazard Assessment and Risk using Remote Sensing and GIS,
- g. Conservation of Biodiversity and natural resource management,
- h. Water and wastewater treatment and technology,

### **Department of Zoology**

1. **Name of the Department :** Zoology
2. **Year of establishment :** 1982
3. **Is the Department part of a School / Faculty of the University?**  
School of the University. School of Life Sciences
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**  
PG: M.Sc. Zoology, M.Phil. in Zoology,  
Ph.D. in Zoology  
D.Sc. in Zoology
5. **Details of programmes discontinued, if any, with reasons :** Nil
6. **Examination System:** Semester system under Choice Based Credit System (CBCS)
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) :**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	2	2
Associate Professor	2	1	1
Assistant Professor	3	3	3
Others	----	----	----

8. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
<b>Dr. K. Murugan,</b> Professor and Head	M.Sc., M.Phil., Ph.D., D.Sc.	Entomology, Vector Biology and Pest Management.	24	Ph.D.:9 M.Phil.:13
<b>Dr. M. Ramesh,</b> Professor	M.Sc., M.Phil., Ph.D.	Aquatic Toxicology, Limnology	14	Ph.D.:7 M.Phil.:11
<b>Dr. P. Saravanabhavan,</b> Associate Professor	M.Sc., B.Ed., Ph.D.	Crustacean Biology.	12	Ph.D.:7 M.Phil.:11
<b>Dr. V. Ramasubramaniam,</b> Assistant Professor	M.Sc., M.Phil., Ph.D.	Aquatic Biotechnology and live feed culture.	11	Ph.D.:6 M.Phil.:13
<b>Dr. C. Gunasekaran,</b> Assistant Professor	M.Sc., M.Phil., Ph.D.	Conservation Biology	6	Ph.D.:3 M.Phil.:10
<b>Dr. P. Sundararaj,</b> Assistant Professor	M.Sc., M.Phil., Ph.D., D.Sc.	Nematode Diversity	3	-

9. **List of senior Visiting Fellows, adjunct faculty, emeritus professors :**  
Emeritus Professors: Dr. K. SASIKALA Former Professor and Head, Department of Zoology, BU, CBE.
10. **Percentage of classes taken by temporary faculty – programme-wise information:** Nil
11. **Programme-wise Student Teacher Ratio:**  
M.Sc. Zoology: I year - 35:6 and II year 25:6  
M.Phil. in Zoology: 8:1  
Ph.D. in Zoology: 8:1

## 12. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :

	Sanctioned	Filled	Actual (including CAS &MPS)
Technical Officer	2	0	0
Assistant	1	0	0
Lab. Attender	1	0	0
Office Assistant	1	0	0
Animal House Attender	1	1	1

## 13. Research thrust areas as recognized by major funding agencies

Research Thrust Area	Major Funding Agencies
Entomology	UGC, DRDO
Vector Biology and Pest Management	CSIR, DST - SERB
Toxicology	UGC, DRDO
Crustacean Biology	UGC, DST-SERB
Aquatic Biotechnology & Live Feed Culture	UGC, DBT
Conservation Biology	UGC
Nematode Diversity	UGC

## 14. Number of faculty with ongoing projects from :

- a) National: 6 Projects
- b) International funding agencies: 1
- c) Total grants received. : 1.12 Crore

Give the names of the funding agencies, project title and grants received project-wise.

Sl. No	Name of the Principal Investigator	Funding Agency	Title of the Project	Amount (Rs. in Lakhs)	Duration		Status
					From	To	
1.	Dr. K. Murugan	DRDO	Environmental Management Sub project on "Use of GIS-RS for the prediction of mosquito vectors and mosquito Borne diseases.	Rs.1.00	2005	2010	Completed
2.	Dr. K. Murugan	DRDO	Evaluation of Bacterial Larvicides, <i>Bacillus sphaericus</i> (DRL, Tezpur, Isolates) for the control of Mosquito vectors	Rs.4.27	2008	2012	Completed
3.	Dr. K. Murugan	UGC	Integration of Botanicals and Novel Microbial (Spinosad) Insecticides for the Control Mosquito Vectors and for the Development of Eco-Friendly Biopesticides	Rs.7.09	2009	2012	Completed
4.	Dr. K. Murugan	UGC	Integration of Novel Bacterial Insecticide (Spinosad) and Botanicals for the Control of Mosquito Vectors at the Endemic area of Tamil Nadu, India	Rs.10.56	2009	2012	Completed

5.	<b>Dr. K. Murugan</b>	Tamilnadu A State Council for Science	Integration of Botanical Pesticides and Entomopathogenic Fungi ( <i>Metarizhium anisopliae</i> ) for the Control Mosquito Vector at different Agro-climatic Regions of Tamil Nadu, India	Rs.15.17	2009	2012	Completed
6.	<b>Dr.P.Saravanabhavan</b>	UGC	Health management through low cost plant feed for better survival, growth and production of economically important freshwater prawns <i>Macrobrachium rosenbergi</i> and <i>Macrobrachium malcolmsoni</i>	Rs.7.01	2009	2012	Completed
7.	<b>Dr.V.Ramasubramanian</b>	UGC	Development of new feed formulations towards technological empowerment of aquaculture farmers	Rs.6.18	2009	2012	Completed
8.	<b>Dr.K.Murugan</b>	DRDO	Integration of Nanoparticles with Botnicals and Microbial Insecticides for the control of Malarial vector, <i>Anopheles stephensi</i> and malarial parasites	Rs.19.44	2010	2012	Completed
9.	<b>Dr.K.Murugan</b>	DRDO	Development of Novel Neem, formulations for the control of Apple Coding Moth, <i>Pomonella</i>	Rs.9.97	2011	2014	Completed
10.	<b>Dr.K.Murugan</b>	UNDP	Vector-borne disease control by community participation and natural products in rural environments: one tool, three cultures, under the South-South Cooperation between India, Argentina and Uganda.	US\$ 24,000/-	2012	2014	Completed
11.	<b>Dr.P.Saravanabhavan</b>	DST	DNA BAR coding in fresh water prawn species of the genus <i>macrobrachium</i>	Rs.41.06	2014	2016	Ongoing
12.	<b>Dr.C.Gunasekaran</b>	UGC	Impact of climate change on terrestrial invertebrates in protected areas of Nilgiri Biosphere reserve, South India	Rs.4.33	2014	2016	Ongoing
13.	<b>Dr.P.Sundarraaj</b>	UGC	Nematode Diversity with respect to flora		2014	2016	Ongoing

			distribution at marudamalai in Tamilnadu.	Rs.13.80			
14.	<b>Dr.M.Ramesh</b>	DRDO	Cytotoxicity and genotoxicity studies of toxicants and nananoparticles using Zebra Fish genotoxicity studis of toxicants and nano particles	Rs.20.20	2014	2017	Ongoing
15.	<b>Dr.K.Murugan</b>	DST	A green protocol for Synthesis Nanopesticides for Sustainable management of Crop pests and Vector Mosquitoes	Rs.12.00	2014	2016	Ongoing

### 15. Inter-institutional collaborative projects and associated grants received:

a) National collaboration b) International collaboration

#### I. National Organisations:

Tamil Nadu Agricultural University, Coimbatore; Institute of Forest Genetics and Tree Breeding and Colleges, Coimbatore; DRDO- Tezpur and Delhi; IISC, Bangalore; Salim Ali Centre for Ornithology and Natural History, Coimbatore; Fisheries Developmental Corporation, Aliyar; Tamil nadu Fisheries Department, Coimbatore; Sugarcane Breeding Insittute, Coimbatore.

#### II. Non-Government Organisations:

Hospitals in and around Coimbatore; CPR Environmental Education Centre, Chennai; Centre for Environmental Education, Coimbatore

#### III. International Organisations:

- Department of Science and Technology - South Korea – Training
- Chinese Academy of Sciences, China – Research
- Department of Fisheries, KhonKaen University, Thailand- Research
- State Key Laboratory of Environmental Aquatic Chemistry (SKLEAC)-China- Research

#### IV. Other Institutions:

Colleges affiliated to Bharathiar University and other Universities in Tamil Nadu

### 16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

DST – FIST – Rs. 26 Lakhs

### 17. Research facility / centre with:

- state recognition, national recognition, international recognition

### 18. Special research laboratories sponsored by / created by industry or corporate bodies:

1.Aqua Nova Hatcheries (P) Ltd., Chennai. Aqua Nova Hatcheries (P) Ltd., Chennai has created a separate research Laboratory at Chennai. Our M.Sc, Second Year Students are taking training in the Hatchery for Summer Project work. The Students and research scholar are visiting every year to the Aqua Nova hatchery

**19. Publications:**

S.No	Published in / Faculty	Dr.K.M	Dr.M.R	Dr.P.SB	Dr.V.R	Dr.C.G	Dr.P.S
1.	Number of Papers Published in Peer reviewed Journals (National / International)	132	48	40	38	22	13
2.	Monographs	-	-	-	-	-	-
3.	Chapters in Books	2	5	-	-	-	-
4.	Edited Books	1	-	-	-	-	-
5.	Books with ISBN with details of publishers	-	-	-	-	-	-
6.	Number listed in International Database	-	-	-	-	-	-
7.	Citation Index – Range / Average	1924/ 0-30/ 14.57	687/ 0-15/ 19.91	400/ 0-18/ 20	412/ 1-10/ 10.84	23/ 0-5/ 0.95	86/ 0-7/ 0.015
8.	SNIP ,SJR	-	-	-	-	-	-
9.	Impact Factor – range / average	0-3.80/ 1.93	0-3.20 /1.6	0-3/ 0.90	0-3/ 0.39	0-2/ 0.19	0-3/ 0.25
10.	h-index	25	17	8	18	17	5

**20. Details of patents and income generated: N.A.****21. Areas of consultancy and income generated: N.A.****22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

September 5th to 10th, 2010 <b>Dr.K.Murugan</b>	11th World congress and environmental congress on environmental health in Vancouver, British Columbia, Canada
12-14, October, 2012 <b>Dr.K.Murugan</b>	Second Cross Straits Workshop on Marine Biodiversity from at National Taiwan Ocean University, Taiwan.
January 3-7, 2013 <b>Dr.P.Saravanabhavan</b>	100 <sup>th</sup> Indian Science Congress, Kolkata. India.
March 15-18, 2013 <b>Dr.K.Murugan</b>	International Conference on Challenges in Aquatic Sciences”, organized by Professor Dr. Jiang Shiou Hwang, Institute of Marine Biology, National Taiwan Ocean University, Taiwan
23rd January, 2010 <b>Dr.M.Ramesh</b>	International Symposium on Trace organic Pollutants in the Environment at Department of Ecobiotechnology, Bharathidasan University, Tiruchirappali -620 024, India
15th to 17th Dec, 2010. <b>Dr.M.Ramesh</b>	Attended 15th Biological Science Graduate Congress at Department of Biological Sciences, University of Malaya, Malaysia
12 to 14th February, 2011. <b>Dr.P.Saravanabhavan</b> <b>Dr.M.Ramesh</b>	International Conference on Biodiversity and Aquatic Toxicology, at Department of Zoology and Aquaculture, Acharya Nagarjuna University, Najarjuna Nagar, 522 510, Andhra Pradesh
5 to 7th November, 2012 <b>Dr.M.Ramesh</b>	National Workshop on Capacity Building in Disease Control & Sustenance (CBDCS-2012) & Mini Symposium on Parasitic Diseases at Department of Zoology, University of Allahabad, Allahabad
3 to 7th January, 2013 <b>Dr.M.Ramesh</b> <b>Dr.V.Ramasubramanian</b>	Regional Science Congress on Science for Shaping the Future of India, at Department of Zoology, Kongunadu Arts and Science College, Coimbatore -29 on 16th December, 2012. The Indian Science Congress Association, Kolkata.
15-18, Jun 2012 <b>Dr.K..Murugan</b>	Bioenrichment of live feeds available in India presented in the international conference on (1) Dormancy in Crustaceans: Research Finting and application. (2) Zooplankton Behavior, Ecology and Aquaculture. Held at Instute of Marine Biology, National Taiwan Ocean University. Keelung, Taiwan.



February 29-March- 2, 2012 <b>Dr.V.Ramasubramanian</b>	International Conference on Aquaculture America 2012 held at Las Vegas, Nevada, USA “during and given invited Lecture on “Studies on the Induced Spawning of Green Mussel <i>Perna perna</i> at Different Temperatures”.
February 7-9, 2013, 8th July 2013 <b>Dr.V.Ramasubramanian</b>	Attended National Seminar on “Murrel culture” During at Palaymcottai. 26..
Oct 28-29 2011 <b>Dr.M.Ramesh</b>	16 <sup>th</sup> International forestry and Environmental Symposium- 2011,University Sri jayawardenepura
November 19-20, 2012 <b>Dr.P.Sundarraaj</b>	Invited speaker for the “Second National Symposium on Innovative Approaches and Modern Technologies for Crop Productivity, Food Safety and Environmental Sustainability” Organized by the Society for Applied Biotechnology on at Thrissur, Kerala and presented a paper “Sustainable and Eco-friendly Approaches for Sugarbeet Production in Idaho, USA”.
November 19-20, 2012 <b>Dr.P.Sundarraaj</b>	Invited speaker for the “Second National Symposium on Innovative Approaches and Modern Technologies for Crop Productivity, Food Safety and Environmental Sustainability” Organized by the Society for Applied Biotechnology on at Thrissur, Kerala and presented a paper “Nematode Diversity in the Agricultural Ecosystem of Idaho. USA”

### 23. Faculty serving in:

	<b>Dr.K.M</b>	<b>Dr.M.R</b>	<b>Dr.V.R</b>
<b>National</b>			
<b>International</b>			
<b>Reviewer</b>	1. Entomological Science, Blackwell, Japan 2. International Journal of Pest Management Science, Wiley Interscience. 3. Journal of Applied Entomology, Wiley Interscience, Germany 4. Ecological Indicators, Elsevier. 5. ActaTropica, Elsevier. 6. Arabian Journal of Chemistry, Elsevier	1. Entomological Science, Blackwell, Japan. 2. Tissue and cell chemosphere 3. Journal of Experimental Biology.	Journal of Basic Applied Zoology
<b>Any Other</b>			

### 24. Faculty recharging strategies (UGC, ASC, Refresher / Orientation programs, workshops, training programs and similar programs).

Refresher Courses in Life Sciences: 1, Refresher Courses in Zoology: 2

S.No	Faculty Name	Course Title	Years
1	<b>Dr.V.Ramasubramanian</b>	Course in Life Sciences	19.11. to 09.12.2013
2	<b>Dr.P.Saravanabhavan</b>	Course in Zoology	03.10. to 23.10.2012
3	<b>Dr.P.Sundarraaj</b>	Course in Zoology	03.02. to 24.02.2012

### 25. Student projects :

- Percentage of students who have done in-house projects including inter-departmental projects

PG students are having project work in the final semester and 100% students undertake in house projects with multidiscipline including Entomology, Toxicology, Crustacean Biology, Aquatic Biotechnology, Conservation Biology and Nematology.

- Percentage of students doing projects in collaboration with other universities / industry / institute –

Ph.D. students – Approximately 20% students are doing collaborative work with other institutions and Industries such as University of Madras, Bharathidasan University. IFGTB, Tamilnadu Agricultural University, Stanes Industry and Aqua nova hatchery.

**26. Awards / recognitions received at the national and international level by : Nil****27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any**

- 3<sup>rd</sup> Asian Lepidoptera Conservation Symposium and training Program (2010), sponsored by DST, DBT and 200 participants were participated
- National Level workshop on “Freshwater fish culture using bio encapsulated live feeds towards technological empowerment of fishermen and self-help group members” (2010) Sponsored by DST, DBT, CSIR and 250 participants were participated
- Second International Conference of Global warming on Biodiversity of Insects Management and conservation (2011) Sponsored by DST, DBT, CSIR, ICMR and 225 participants were participated
- International Symposium on Environmental Risk Assessment (2011) Sponsored by DST, DBT and 250 participants were participated.
- Training programme on “Freshwater fish and ornamental fish culture” for fishermen and self-help group members. (2011) Sponsored by NADARD and 50 participants were participated
- Training programme on “Freshwater fish and ornamental fish culture” for fishermen and self-help group members. (2011) Sponsored by NADARD and 50 participants were participated
- National Conference on “Biotechnological Approaches in Aquaculture” during. (2012) Sponsored by MoES, DBT, DST and 245 participants were participated
- Third International Conference of Global warming on Biodiversity of Insects Management and conservation (2013) Sponsored by DST, DBT, CSIR, ICMR and 250 participants were participated

**28. Code of ethics for research followed by the departments:**

All the research projects are submitted to Institutional ethics committee (IEC) or institutional animal ethics committee (IAEC) of the University for approval.

**29. Student profile programme-wise:**

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Zoology (2014)	57	9	25	100 %	100 %
M.Phil. (2014)	12	1	3	100 %	100 %
Ph.D. (2014)	16	3	9	100 %	100 %

**30. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG	56	--	44	--
Ph.D.	87.30	--	11.12	1.58

**31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

2014	NET	1
2011	SET	5

### 32. Student progression

Student progression	Percentage against enrolled
UG to PG	90
PG to M.Phil.	----
PG to Ph.D	5
Ph.D. to Post-Doctoral	----
Employed	Nil
<ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment Entrepreneurs</li> </ul>	60% approx.
Entrepreneurs	

### 33. Diversity of staff

Percentage of faculty who are graduates	
of the same university	33
from other universities within the State	67
from universities from other States	0
from universities outside the country	0

### 34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : D.Sc.- 1 Dr.K.Murugan

### 35. Present details of departmental infrastructural facilities with regard to:

- Library – 50% (The department has about 3000 books in a separate section).
- Internet facilities for staff and students – 100% (A Wifi line connection to 4 terminals is available to the faculty. The students use the common facilities).
- Class rooms with ICT facility – All are enabled.
- Students' laboratories – 1 No.
- Research laboratories – 6 Nos.

### 36. List of doctoral, post-doctoral students and Research Associates (2010-2015)

	From the host Institution / University	From other Institutions / Universities
Doctoral Scholars	41	10
Post Doctoral Scholars	6	2
Research Associates	1	-

#### List of doctoral, post-doctoral students and Research Associates (2014-2015)

	From the host institution / University	From other institutions / University
Doctoral Scholars	6	2
Post Doctoral Scholars	5	2
Research Associates	-	-

### 37. Number of post graduate students getting financial assistance from the university. 6 students' approx per year.

### 38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil

### 39. Does the department obtain feedback form: Yes

#### A. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

The design of the courses and framing of syllabi were carried out by the faculty and external experts. Regular meetings were held in the department to discuss and review this matter. Two faculty members of the department are also on the Board of Study. Hence the curriculum is constantly being reviewed for relevance.

**B. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

The questionnaires administered by the Department give valuable feedback to each professor. This is reviewed by the teacher and the Head of the Department and action was taken immediately.

**C. Alumni and employers on the programmes and what is the response of the department to the same?**

The department has alumni who are proud to belong to this institution and who display a great sense of loyalty. This is the 32th year of the Zoology section and the alumni have shown great enthusiasm. Some of them take guest lectures for the students and contribute to bringing in industry experience to the classroom.

**40. List the distinguished alumni of the department (maximum 10)**

1.	Dr.N.Krishnakumar	Director, CCF,TN,Forest Department, Chennai
2.	Dr.S.Sivamakrishnan	Assistant Professor & Head, Bharathidasan University, Trichy.
3.	Dr.D.Jeyabalan	Assistant Professor, Govt. Arts college, Ooty
4.	Dr.S.Senthilnathan	Assistant Professor, Manonmaniam Sundaranar University, Tirunelveli
5.	Dr.N.Senthilkumar	Professor & Head, Mizoram University, Assam, India
6.	Dr.R.Babu	Scientist, ZSI, Calcutta.
7.	Dr.A.Chezhian	Assistant Professor, CAS Marine, Annamalai University.
8.	Dr.R.Sampathraj	P.G. Assistant, Govt. Hr. Sec. School. Tripur.
9.	Dr.P.Badrisriman Narayanan	Principal (Retired) NGM College, Pollachi, Coimbatore.
10.	Dr.A.Nareshkumar	Assistant Professor, Periyar University, Salem.

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

**Special Lecture series 2014-2015**

1	09.03.2015	<b>Dr. P.Santhanam,</b> Assistant Professor Department of Marine Science, Bharathidasan University, Tiruchirappalli-620024.	Live feeds Marine resources
2	26.03.2015	<b>Dr. M. Sri Hari</b> Assistant Professor Dept. of Communication & Media Studies Bharathiar University Coimbatore-641046	Digital Eyes which Capture Nature's Dark Eye Documentation in Wild Life and Biodiversity Conservation

- Guest Lecture series have been regularly arranged from 2005 onwards. The Eminent Professors and Scientists from reputed Universities and Institutions were given the lecture.
- The students are expected to complete their assignment which includes Power Point Presentations, group work, discussions and field trips to industrial organizations.
- The Zoology Section incorporates the Aquaculture development, conservation management of ecosystem.
- In order to enrich the student capability, lectures were arranged to the research scholars, soft skills development workshops, English speaking camps and student exchange programmes and many more extra-curricular activities.
- The students are encouraged to participate in various Inter-Collegiate Competitions and have done so with distinction and aplomb.

**42. List the teaching methods adopted by the faculty for different programmes.**

Chalk and Board, Power Point Presentation, OHP Presentation, Audio-Visual Aids (Films and Videos on subject related topics) Case Study Method, Group Discussion Method.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Student's feedback report, continuous internal assessment, classroom seminar sessions, faculty feedback report, regular department meetings of faculty to take stock and plan.

**44. Highlight the participation of students and faculty in extension activities.**

Training programmes were arranged for Self help group members every year. Mosquito control programmes were conducted at the nearby University area. Wild life week awareness programme was conducted every year.

**45. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: N.A.****46. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

By arranging applied programme in Zoological aspects and through research publication in national and international journals with high impact factors.

**47. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths	Weakness	Opportunities	Challenges
Highly qualified faculties	A laboratory facility for P.G.students is inadequate.	Job led education with placement opportunities in basic sciences, applied biology, medicine, agriculture, forensics, teaching, research, education, administration.	To maintain quality teaching and research in the department with a limited faculty. To carry out innovative research within the limited available facility.
Individual Faculties having sponsored projects funded by National and International agencies			
The faculty members have research publications with High Impact Journals			
Sophisticated instrumental facilities.			
Creamy layer students were selected for admission			

**48. Future plans of the department:**

1. Formulation of multi disciplinary integrated research programs catering to the needs of the society. 2. Modernization of teaching and research labs equipping with multimedia support system. 3. Syllabi updating and strengthening for holistic human resource development in Zoology. 4. Accreditation for inclusion of the Department in UGC -CAS program. 5. Transfer of technologies developed in laboratories for applications by appropriate clientele in the field.

### **Department of Textiles and Apparel Design**

1. **Name of the Department:** Textiles and Apparel Design
2. **Year of establishment:** 2011
3. **Is the Department part of a School/Faculty of the university?** – School of Life Sciences
4. **Names of programmes offered** - M.Sc, M.Phil. - (FT/PT), Ph.D. - (FT/PT)
5. **Details of programmes discontinued, if any, with reasons** – Nil
6. **Examination System:** Semester and Choice Based Credit System
7. **Participation of the department in the courses offered by other departments** – Supportive classes offered by other departments
8. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned Post	Sanctioned	Filled Post	Filled	Actual (including CAS & CDS)
Professor	1	2013-2014	1	2014	1
Associate Professor	2	2013-2014	1	2014	1
Asst. Professor	3	2013-2014	3	2014	3

9. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. Rupa Gunaseelan, Professor & Head-in-Charge	M.Sc., M.B.A., Ph.D.,	Performance management, Skill Development	18 yrs	Ph.D-10 M.Phil-8
Dr. K.Sangeetha, Professor	M.Sc., MPhil., Ph.D.	Natural Fibres and Natural Dyes	Teaching- 13.5 Research-7 yrs	M.Phil -8
Dr.S.Grace Annapoorani, Associate Professor	M.Sc., M.Phil., Ph.D.	Technical Textiles	16 yrs	M.Phil - 1
Dr.M. Sumithra, Assistant Professor	M. Sc, M.Phil, Ph.D.	Herbal finishes	Teaching-14 Research-8	M.Phil. -5
K.Amutha, Assistant Professor	B.Tech.,MBA., M.Sc., NET.,	Textile Testing, Apparel Production.	6 yrs	-
M. Jayakumari, Assistant Professor	B.Sc., M.Sc., NET	Textile Dyeing (chemical & natural dyes)	7 years 8 months	-

10. **List of senior visiting fellows, temporary faculty, emeritus professors:** Nil
11. **Percentage of classes taken by temporary faculty:** M.Sc. -10%
12. **Programme-wise Student Teacher Ratio:** M.Sc. -7:1, M.Phil. - 1:1, Ph.D. - 3:2

**13. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

Designation	Sanctioned	Filled
Technical Staff (ATO)	4	4
Administrative Staff	Assistant-1	Nil
	Office Assistant-1	1

**14. Research thrust areas as recognized by major funding agencies**

Apparel Designing and International Standardization, CAD in Fashion Designing, Alternative Fabrics and Textile Testing are the areas of specialization offered in department.

**15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received: Nil****16. Inter-institutional collaborative projects and associated grants received: Nil****17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. –**

UGC Innovative Programmes Under XII plan scheme sanction amount Rs. 60, 00,000/-

**18. Research facility / centre with State, National, International recognition: Nil****19. Special research laboratories sponsored by / created by industry or corporate bodies: Nil****20. Publications:**

S.No	Published in /Faculty	Dr. RG	Dr. K.S	Dr. S.G	Dr. M.S	Ms. K.A	Ms.M.J
1.	Number of Papers Published in Peer reviewed Journals (National /International)	-	9	8	15	-	1
2.	Online Journals	-	5	-	5	-	-
3.	Monographs	-	2	-	-	-	-
4.	Chapters in Books	-	1	-	1	-	-
5.	Chapters in edited books	-	-	11	8	5	-
6.	Edited Books	2	-	2	-	-	-
7.	Books with ISBN with details of publishers	1	5	2	2	-	-
8.	Number listed in International Database	-	-	-	-	-	-
9.	Citation Index – Range / Average	-	-	-	-	-	-
10.	SNIP ,SJR	-	-	-	-	-	-
11.	Impact Factor – Range / average	-	-	-	-	-	-
12.	H-index	-	-	-	-	-	-

**21. Details of patents and income generated**

– 2 patents applied by Dr. Sangeetha Krishnaswamy

1. Re: 5253/Che/2014: filed: October 21, 2014, Title: Sansevieria stuckyi fibres and yarns
2. Re: 5915/Che/2014: filed: November 26, 2014, Title: Swietenia Microphylla extracts for medical textiles

**22. Areas of consultancy and income generated: Nil****23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.): Nil**

**24. Faculty serving in National committees b) International committees c) Editorial Boards d) any other International committees**

S. No	Faculty Name	Institution
1.	Dr. Rupa Gunaseelan Head-in-charge	1. Member, National Enterprenership Network, New Delhi 2. Member, Management Teachers Consortium, New Delhi, India 3. Member, Cite Hr, Online HR Community
2.	Dr.K.Sangeetha Professor	Member, The Home Science Association of India in 2010

**25. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

- Dr.Rupa Gunaseelan and Dr. S. Grace Annapoorani attended Workshop on “Administration and Development of Distance Education System” at School of Distance Education & Dept of Education during 27/03/2013 to 28/03/2013
- Dr. S. Grace Annapoorani attended Faculty Development Programme at Sona College of Technology, Salem from 03/06/2013 to 15/06/2013 and at PSG College of Technology, Coimbatore from 7/11/2013 to 20/11/2013.
- Dr. S. Grace Annapoorani and K. Amutha attended “Biomechanical Engineering Design of Functional Textiles and Clothing” at PSG College of Technology during 07.11.2013 to 20.11.2013
- All faculty members attended Training session on “Web of Science” at Central Library Bharathiar University on 22.01.2015
- K.Amutha and M.Jayakumari attended short-term course on “Quality Assessment in Higher Education and e-Learning” at UGC Academic Staff College from 12.03.2015 to 13.03.2015.

**26. Student projects**

- Percentage of students who have done in-house projects including inter-departmental projects - 40%
- Percentage of students doing projects in collaboration with other universities/industry/institute - 60%

**27. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)**

S.No	Name of the Faculty	Year	Awards / recognitions	Agency Grantee
1	Dr.Rupa Gunaseelan	2012	Dr.Radha Krishnan Gold Medal Award 2012 GEPR	Global Economic Progress Research Association Chennai
		2013-14	Best Faculty Award – Senior Level	Nehru Group of Institutions
2	Dr.S.Grace Annapoorani	2013	Dr. Radha Krishnan Gold medal Award	Global Economic Progress Research Association , Chennai

**28. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of participants,**

- Seminar and FDP on “Fashion Insights” in association with Pearl Academy of Fashion, Chennai conducted during 09.02.2012 and 10.02.2012 – 40 participants
- State Level Vocational Training Programme on “Textile Testing and Equipment Handling” funded by Distance Education Council (UGC, New Delhi) from 22.03.2013 To 29.03.2013 - 75 participants



- Three different Skill Development Programmes for women, funded by EDI, Chennai from 21.11.2013 to 24.11.2013 - 150 participants
- Workshop on “ORBITO CAD Software” from 06.01.2014 to 10.01.2014 – 50 participants
- National Conference on “Emerging Trends in Textiles, Apparel Production and Management” funded by UGC (XII Plan) on 27.02.2014 - 150 participants
- Training programme on “Medical Textile Testing and Standards” funded by Distance Education Bureau, during 08.03.2014 and 11.03.2014 – 75 participants.
- Workshop on “Apparel Testing and Regulations for International Market” during 26.03.2015 and 27.03.2015 – 60 participants.

## 29. Code of ethics for research followed by the department:

- Every research work has to be unique and of industrial and social importance with original inputs from the past to researcher.
- In case of primary data collection, the respondents’ details must be kept confidential.

## 30. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Textiles & Apparel Design	28	2	19	100%	100%
M.Phil. Textiles & Apparel Design	6	2	2	Yet to attend the exam	
Ph.D. Textiles & Apparel Design	3	-	2	Yet to attend the exam	

## 31. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc Textiles	74%	-	26%	-
M.Phil.	100%	-	-	-
Ph.D.	100%	-	-	-

## 32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil.

## 33. Student progression

Student	Percentage against enrolled
PG to M.Phil.	6%
PG to Ph.D.	6%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	20%
• Other than campus recruitment	40%
Entrepreneurs	20%

## 34. Diversity of staff

Percentage of faculty who are graduates	
From the same University	17%
From other Universities within the State	49%
From Universities from other States	34%
From Universities outside the Country	-

**35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period –**

S.No	Name	M.Phil	Ph.D	Year
1	Dr. S. Grace Annapoorani	-	Ph.D.	2012
2	Dr. M. Sumithra	-	Ph.D.	2014

**36. Present details of departmental infrastructural facilities with regard to**

- Library- Nil
- Internet facilities for staff and students- Adequate (CAD Lab with Internet Facility)
- Total number of class rooms -2
- Class rooms with ICT facility- 1
- Students' laboratories - 4
- Research laboratories – Nil
- Seminar Hall- Nil

**37. List of doctoral, post-doctoral students and Research Associates**

- from the host institution/University - 1 Student in Ph.D.
- from other institutions/Universities - Nil

**38. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others**

S.No	Class	No. of Students	Financial assistance
1.	M.Sc. Textiles & Apparel design	19	State government, Vijayalakshmi Trust (Private trust)

**39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.: No**

**40. Does the department obtain feedback from?**

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes, the department generates feedback from students for every semester and the student's feedback is discussed in BOS meeting for improvement.
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes, the student's feedback is discussed in Department meetings for improvement.
- Alumni and employers on the programmes offered and how does the department utilize the feedback?** Yes, feedback from alumni and employers help the department to enrich curriculum.

**41. List the distinguished alumni of the department**

S. No.	Student Name	Year	Designation
1	Aswini.V	2012-14	Entrepreneur
2	Kavitha.S	2012-14	Entrepreneur
3	Rajkumar.B	2012-14	Entrepreneur
4	Sadhana.D	2012-14	Employed in Government

**42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

The department organizes seminars, workshops, special lectures on various topics inviting eminent faculty and industrial experts, every year.

- Workshop on "ORBITO CAD Software" from 06.01.2014 to 10.01.2014
- Training programme on "Medical Textile Testing and Standards" funded by Distance Education Bureau, during 08.03.2014 and 11.03.2014

**43. List the teaching methods adopted by the faculty for different programmes.**

Visual Aids, PPT, Demonstration, Power point method, OHP, Chalk and talk Quiz, & Interaction.

**44. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The programme is meant for advanced learning in textiles and apparels. Seminars, Conference, workshops and research activities in the department are conducted with this focus as fulcrum. The outcomes and scripts of the above programmes are taken into the syllabi through BOS platform.

**45. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

- State Level Vocational training for employees in textile field on “Textile Testing and Equipment Handling” funded by Distance Education Council (UGC, New Delhi) during 22.03.2013 To 29.03.2013 and “Medical Textile Testing and Standards” funded by Distance Education Bureau, during 08.03.2014 and 11.03.2014.
- Students participate and Won many prizes. To specify they won First Prize in the “Fashion Show” Organized by the department of Textiles and Garment Technology, GRG Polytechnic College, Coimbatore on 2<sup>nd</sup> February 2015.
- Women Entrepreneur Development programme (EDP), Organized by the Department of Textiles and Apparel Design, Women’s Studies, and Extension and Career Guidance from 21.11.2013 to 19.12.2013.

**46. Give details of “beyond syllabus and scholarly activities” of the department.**

The Department organizes various Training programmes and Seminars, Workshops, etc.

**47. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Nil**

**48. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Curriculum revamping as and when required.
- Seminars, Conferences, Training Programmes, and Industrial Visit from time to time.
- Integrated researcher through M.Phil., Ph.D. and others.

**49. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

<b>Strengths</b> Multidimensional expertise Well Equipped Laboratories Modernized Machines Teaching Methods	<b>Weakness</b> Inadequate Space Research Laboratories
<b>Opportunities:</b> Textile Industry Freelancer Fashion Industry	<b>Challenges:</b> The curriculum has to compete with the fast changing Textile Industry needs.

**50. Future plans of the department (in terms of new programmes, research areas, national / International collaboration).**

- Industry Collaboration Institute Collaboration
- MoU with Research Institute – SITRA, SIMA & Textiles Committee
- Collaboration with foreign Universities
- Collaboration with COE in Industrial Textiles (PSG’s Indutech)

### **Department of Mathematics**

1. **Name of the Department :** Mathematics
2. **Year of establishment :** 1978
3. **Department comes under :** School of Mathematics & Statistics, Mathematics faculty
4. **Names of programmes offered :** M.Sc., M.Phil., Ph.D. (Mathematics)
5. **Courses in collaboration with other Departments**  
Supportive paper will be offered by the benefit of other department students.
  1. Physics, Computer Science- Applied Mathematics-I
  2. Statistics - Applied Mathematics-II
6. **Details of programmes discontinued, if any, with reasons:** Nil
7. **Examination System:** Semester under Choice Based Credit System
8. **Participation of the department in the courses offered by other departments :**  
Supportive Applied Mathematics
9. **Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1978	1978	1
Associate Professors	1978	1978	1
Asst. Professors	1978, 2005, 2010	1978, 2005, 2010	3

10. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. K.Balachandran, Professor and Head	M.Sc., Ph.D.	Differential Equations / Control Theory	30Years	42/81
Dr. S. Saravanan, Associate Professor	M.Sc., M.Phil., Ph.D.	Fluid Dynamics	10 Years	5/38
Dr. N. Nithyadevi, Assistant Professor	M.Sc., M.Phil., Ph.D.	Computational Fluid Dynamics	6Years	1/17
Dr. R. Rakkiyappan, Assistant Professor	M.Sc., Ph.D.	Differential Equations	4 Years	1/19

11. **List of senior Visiting Fellows, temporary faculty, emeritus professors**

#### Visiting Fellow

- Prof.R.Parthasarathy - Rajaramana Fellowship
- Dr.G.Alagar Ramanujam - Special Lecturer
- Prof.Dr.Sivaguru S.Sritharan - Special Lecturer
- Dr.B.R Nagaraj - Special Lecturer
- Dr.A.S.Vasudeva Murthy - Special Lecturer
- Dr.G.Nagamani - CSIR – UGC Net Coaching Class
- Mr.R.Pandiyarajan - CSIR – UGC Net Coaching Class

#### Temporary Faculty

- Dr. E.K.Ramasami

- Dr.N.Barani Balan
- Dr.P.Sundaram
- M.Sambath

**12. Percentage of classes taken by temporary faculty – programme-wise information:** 33%

**13. Programme-wise Student Teacher Ratio :**

M. Sc. Mathematics 88/6 – 14 : 1

M.Phil. Mathematics 20/4 – 5 : 1

Ph.D. Mathematics 24/4 – 6 : 1

**14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

Sanctioned : Assistant Technical Officer : 1; Junior Assistant ; 1; Office Assistant : 1

Filled: Assistant Technical Officer : 1; Junior Assistant ; 1; Office Assistant : 1 [All are Casual labour]

**15. Research thrust areas as recognized by major funding agencies**

- NBHM Library Grant-Mathematics
- Stability, Robust H Control and Robust H Filter Design for Time-Delay Systems

**16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Name of the Principal Investigator	Title of the project	Amount sanctioned Lakhs	Funding Agency	Duration
<b>Completed Projects</b>				
Dr.S.Saravanan	Mathematical modeling of convective parametric instabilities	2.50	SERC	2009 - 2012
	Stability and Convacation in Rapidly Ratating Fluid Dynamics	12.50	CSIR	2008-2011
<b>Ongoing Projects</b>				
Dr.K.Balachandran	Computational Studies of Biological Models	24.00	DRDO	2013-2016
Dr R. Rakkiappan	Stability, Robust H Control and robust H Filter Design for Time-Delay Systems”	9.89	NBHM	2012-2015

**17. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration**

- TIFR and IISC, Bangalore - Partial Differential Equation
- University of Wyoming - Partial Differential Equation
- Yonsei University, Seoul, South Korea - Control Theory
- Pusan National University, Pusan, south Korea - Control Theory
- Doshibha University, Japan - Computational Fluid Dynamics
- Institute de Mathematics, UNAM. Mexico - Computational Fluid Dynamics

**18. Departmental projects funded by DST-FIST, UGC-SAP, etc.; Total grants received:** Nil

**19. Research facility / center with State recognition / National recognition/International recognition:** Nil

**20. Special research laboratories sponsored by / various functioning agencies:** Nil

**21. Publications:**

S.No	Published in / Faculty	Dr.K B	Dr.S S	Dr N N	Dr.R R
1.	Number of Papers Published in Peer reviewed Journals (National / International)	-/390	2/45	-/15	1/108
2.	Monographs	1	Nil	Nil	Nil
3.	Chapters in Books	Nil	Nil	Nil	1
4.	Edited Books	2	Nil	Nil	Nil
5.	Books with ISBN with details of publishers	1 Elements of control Theory Narosa Publishing House, New Delhi	Nil	Nil	Nil
6.	Number listed in International Database	350	45	Nil	Nil
7.	Citation Index – Range / Average	4293	-	-	14.40
8.	SNIP SJR	--	-	-	--
9.	Impact Factor – range / average	0.2-4.5	0-2.5/1	0.5-2.5	1.77
10.	H-index	31	10	9	25

**22. Details of patents and income generated:** Nil**23. Areas of consultancy and income generated:** Nil**24. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)**

Dr.K.Balachandran

1. ICIAM 2011 at Vancouver, Canada in July 2011. --Conference Participation
2. Hanoi University of Education, Hanoi, Vietnam in June 2011.-Invited Leturers
3. Sungyungkwan University, Suwon, South Korea in December 2011.-Invited Leturers
4. Naval Post-graduate School, USA (March –April 2012) .-Collaboration research.

Dr.S.Saravanan

1. ICIAM 2011 at Vancouver, Canada in July 2011. – Invited to conduct a symposium
2. International Conference on Structural Nonlinear Dynamics and Diagnosis held at Marrakech, Morocco in (April- May 2012). - Invited to conduct a symposium.

**25. Faculty serving in**

	Dr.K.Balachandran
National	<ul style="list-style-type: none"> <li>• Served as Mentor for DST INSPIRE programs conducted by various colleges for Higher Secondary Students of Tamil Nadu during 2010-13.</li> <li>• Served as Controller of Examinations, Bharathiar University, Coimbatore from January to May 2010.</li> <li>• Served as Co-Ordinator to the UGC-NET Examination conducted by Bharathiar University at Coimbatore during December 2009.</li> <li>• Served as Head, Department of Mathematics, Bharathiar University, Coimbatore from March 2006 to March 2007.</li> <li>• Served as an expert in the UGC Visiting Committee (X-Plan) for SriVenkateswara University, Tirupati during December 16 to 19,2002.</li> <li>• Served as an expert in the selection committees of various Universities and autonomous colleges in Tamil Nadu.</li> <li>• Chairman, Board of Studies in Mathematics, Bharathiar University, Coimbatore since March 2008.</li> <li>• Chairman, Board of Studies in Mathematics, Bharathidasan University, Trichirapalli (2005-2008); Member (2011-13).</li> <li>• Member, Board of Studies in Mathematics, Cochin University of Science and Technology, Cochin (2004-2007).</li> </ul>

	<ul style="list-style-type: none"> <li>Member, Board of Studies in Research, Bharathiar University, Coimbatore since October 2010.</li> <li>Member, Board of Studies in Mathematics, Mysore University, Mysore (2004-2007).</li> <li>Member, Board of Studies in Mathematics, Alagappa University, Karaikudi (2011-2014).</li> </ul>
Editorial Board	<ol style="list-style-type: none"> <li>Associate Editor Nonlinear Analysis , Hotrod System (Elsevier).</li> <li>Associate Editor, Int.J.Eng.Maths Hindawi</li> <li>Associate Editor, NEAA, South Korea</li> </ol>

## 26. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).

1. Dr.S.Saravanan, Summer School on Modelling, Numerical simulation and optimization in Fluid Mechanics, 6-10 September 2010, Herreualb, Germany.
2. Dr.N.Nithyadevi, Workshop on Quality Management at Defence Institute of Quality Assurance, Bangalore, September 19 – 21, 2011.
3. Dr.N.Nithyadevi, Participate 92<sup>nd</sup> Orientation programme at UGC- Academic Staff College, BU Coimbatore, May 8 – June 4, 2012.
4. Dr R. Rakkiyappan, Orientation programme at UGC-Academic Staff College, BU, Coimbatore, November 19 – December 16, 2013.

## 27. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 100%
- percentage of students doing projects in collaboration with other universities / industry / institute – Nil

## 28. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)

- Faculty  
Dr.K.Balachandran --- ONR Global research Award, US Navy (2012)

## 29. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants,

Conference / Seminar / Workshop	Period	Funding	Outstanding / No. of Participant
Two days National workshop on computational Mathematics	March 25 & 26, 2010.	University	Dr.K.Murugasan, NIT, Tiruchy /160
National Special Lecture Series on Navier-Stokes Equations	February 14 to 18, 2011.	University	Professor S.S.Sritharan, Naval Post Graduate School, Monterey, USA /150
National Special Lecture Series on Large Deviation Theory	February 16 to 22, 2012.	University	Professor S.S.Sritharan, Naval Post Graduate School, Monterey, USA /156
National Seminar on Partial Differential Equations	February 28 and 29, 2012.	University	Dr. A. K. Nandakumaran IISC Bangalore /180
National Special Lecture Series, on Mathematics of Turbulence, Random Waves and Quantum Fields	July 16 to 27, 2012.	University	Professor S. S. Sritharan, Naval Post Graduate School, Monterey, USA /160
National conference on Computational Biology	February 15-16, 2013.	DRDO-BU-CLS	Dr.P.L.Rao,DRDO, Dr. A. K. Nandakumaran IISC Bangalore /210
National Special Lecture Series, Quasi-Linear partial Differential Equation in Fluid Dynamics and Physics.	June 30-July 11, 2014.	University	Professor S. S. Sritharan, Naval Post Graduate School, Monterey, USA / 165

**30. Code of ethics for research followed by the departments-** Common code with the University.

**31. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
PG - 2010 – 2011	264	13	27	85%	85%
PG - 2011 – 2012	226	10	27	90%	85%
PG - 2012 – 2013	406	8	35	85%	90%
PG - 2013 – 2014	332	9	34	90%	95%
M.Phil. - 2010 – 2011	57	3	5	100%	100%
M.Phil. - 2011 – 2012	61	3	15	100%	100%
M.Phil. - 2012 – 2013	78	7	15	100%	100%
M.Phil. - 2013 – 2014	29	3	10	100%	100%
Ph.D. - 2010 – 2011	5	2	2	-	-
Ph.D. - 2011 – 2012	9	4	6	-	-
Ph.D. - 2012 – 2013	15	3	5	-	-
Ph.D. - 2013 – 2014	8	2	2	-	-

**32. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG - 2014 - 2015	50%	50%	--	--
M.Phil - 2014 - 2015	100%	100%	--	--
Ph.D - 2013 - 2014	100%	--	--	--

**33. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- K.Karupiah - NET – June 2012, & December 2012.
- V.Dinakar - NET – June 2012
- J.Manimaran - NET – June 2012 & December 2012.
- M.Suvinthra - SET– October 2012.
- C.Kausika - SET– October 2012.
- J.Sathiyaraj - SET– October 2012
- P.Boopathi - SET – October 2012
- K.Sivaranjani - Gate – January 2013.
- M.Suvinthra - NET – December2013
- C.Kausika - NET – December2013
- B. Kaviarasan - NET – December2013
- R. Mabel Lizzy - NET – December2014

**34. Student progression**

Student	Percentage against enrolled
PG to M.Phil.	
2010-2011	88%
2011-2012	56%
2012-2013	68%
2013-2014	62%
M.Phil. to Ph.D.	
2010-2011	100%
2011-2012	67%



2012-2013	75%
2013-2014	75%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

**35. Diversity of staff**

Percentage of faculty who are graduates	
From the same University	50%
From other Universities within the State	50%
From Universities from other States	-
From Universities outside the Country	-

**36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil****37. Present details of departmental infrastructural facilities with regard to**

- Library - Number of Books – 3000 Nos Amount 17.6 lakhs
- Internet facilities for staff and students - Yes (50 Nodes- IP Address 172.16.99.01 to 172.16.99.50 )
- Total number of class rooms - Four
- Class rooms with ICT facility - No
- Students' laboratories - 1 (PG Computer lab)
- Research laboratories - 3 (DRS Lab, Computational lab, Cluster Computer Room)

**38. List of doctoral, post-doctoral students and Research Associates**

a) from the University

S.No	Name	Ph.D Awarded
01.	Dr.N.Annapoorani	2010
02.	Dr.D.Brindha	2010
03.	Dr.R.Subhalakshmi	2010
04.	Dr.F.Paul Samuel	2010
05.	Dr.G.Devi Priya	2010
06.	Dr.A.David Maxim Gururaj	2011
07.	Dr.R.Umadevi	2011
08.	Dr.S.Aruna	2011
09.	Dr.M.Kayalvizhi	2011
10.	Dr.S.Gnanavel	2012
11.	Dr.B.Radhakrishnan	2012
12.	Dr.S.Kiruthika	2012
13.	Dr.G.Arthi	2012
14.	Dr.R.Sathya	2012
15.	Dr.J.Kokila	2013
16.	Dr.C.Sivaraj	2013
17.	Dr.L.Shanger Ganesg	2013
18.	Dr.V.Parthiban	2013
19.	Dr.K.Sumathy	2013

**39. Number of post graduate students getting financial assistance from the state Government / UGC / private trust / others**

SC/ST & Loan Scholarship Students	- 37
BC/MBC Scholarship Students	- 117

Indira Gandhi Single Girl Child Scholarship by UGC	-	2
First Rank holder Scholarship	-	6
Free Education	-	4
UGC PG merit scholarship	-	10

**40. Was any need assessment exercise undertaken before the development of new Programme (s)? If so, highlight the methodology.**

Yes, get the opinion of the experts from India and Abroad

**41. Does the department obtain feedback from?**

**a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes. Based on the feedback form, the curriculum has been revised 2 times within 5 years of time.

**b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes. Curriculum has been revised to make better opportunity to the students and teaching methods and method examinations were changed based on the feedback form for the betterment of the students.

**c) Alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes. The curriculum of the department is usually sent to the alumni's and gets their suggestions to improve the course.

**42. List the distinguished alumni of the department (maximum 10)**

- Dr.S. Karthikeyan - Assistant Professor, Periyar University
- Dr.N.Barani Balan - Assistant Professor, Central University of Tamil Nadu
- Dr. S.Gnanavel - Assistant Professor, Central University Of Kerala
- Dr.G.Arthi - Post Doctoral Fellow, China

**43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Conducted two days National workshop on computational Mathematics March 25 & 26, 2010.
- Conducted National Special Lecture Series by Professor S.S. Sritharan, Naval Post Graduate School, Monterey, USA on Navier-Stokes Equations from 14.02.2011 to 18.02.2011,
- Conducted National Special Lecture Series by Professor S.S. Sritharan, Naval Post Graduate School, Monterey, USA on Large Deviation Theory from 16.02.2012 to 22.02.2012,
- Conducted National Seminar on Partial Differential Equations at Department of Mathematics, Bharathiar University, Coimbatore on February 28 and 29, 2012
- Conducted National Special Lecture Series by Professor S.S. Sritharan, Naval Post Graduate School, Monterey, USA on Mathematics of Turbulence, Random Waves and Quantum Fields from 16.07.2012 to 27.07.2012 ,
- Conducted National Conference on Computational Biology at DRDO-BU-CLS, Bharathiar University, Coimbatore on 15 & 16, February 2013.
- Conducted two Refresher Course
- Conducted National Special Lecture Series by Professor S.S. Sritharan, Naval Post Graduate School Monterey, USA on Quasi-Linear partial Differential Equation in Fluid Dynamics and Physics from 30.06.2014 to 11.07.2014

**44. List the teaching methods adopted by the faculty for different programmes.**

- Chalk and Board
- Power Point Presentation
- Case Study Method
- Group Discussion Method
- Reference Book
- Journal Articles.

**45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Projects
- Continuous Internal Assessment
- Classroom Seminar Sessions
- Classroom unannounced Test
- Regular Department Meetings.

**46. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

S. No	Name	Title of the Workshop / Program	Institution
1.	Divya S	1.National Program on Differential Equations: Theory, Computations & Applications [NPDE-TCA], May 14- June 2 (2012).	IIT (Delhi)
2.	Suvinthra M	1.National Program on Differential Equations: Theory, Computations & Applications [NPDE-TCA] May 14- June 2 (2012).	IIT (Delhi)
3.	Kausika C	1. Winter School on Stochastic Analysis and Control on Fluid Flow, December 3 –20 (2012).	IISER (Trivandrum)

**47. Give details of “beyond syllabus and scholarly activities” of the department.**

- NET Coaching Class.
- Math Club.
- Invited talk and paper presentation by faculty at national and international level.
- Faculty participation in various seminars and workshops.
- Involvement of the faculty in the research activities. The students are motivated to prepare and write National Level Exams and lectures are arranged by the experts to provide an idea for the preparation these exams.
- The students are motivated to attend conferences / Seminars / Workshops / Symposia etc.

**48. State whether the programme/department is accredited / graded by other agencies? If yes, give details:** Not Applicable

**49. Briefly highlights the contributions of the department in generating new knowledge, basic or applied.**

Several Students obtained Ph.D. and almost all are observed as teachers, college and University. Published many papers in basic research

**50. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths

- a. Student’s hardworking nature
- b. Strong faculty qualification, talented, dedicated knowledgeable and great collaboration.

- c. Strong research potential with records of high quality research publications.
- d. Easy to involve students in projects via independent study.
- e. Good computing environment.

#### Weaknesses

- Lack of faculty
- No SAP
- No FIST
- No Advanced Computer Lab
- Lack of Space

#### Opportunities

- Student's hardworking nature
- Strong faculty qualification, talented, dedicated knowledgeable and great collaboration.
- Strong research potential with records of high quality research publications.
- Easy to involve students in projects via independent study.
- Good computing environment.

#### Challenges

- Restoration of SAP
- Going for FIST
- Establishing Computer Lab
- Increase Faculty Strength
- International Visitors

### **51. Future plans of the department (in terms of new programmes, research areas, national / international collaboration)**

The department is going to acquire Cluster Computer from the DST\_PURSE program; with this the research activity will be more regress in the following areas.

- Computational Fluid Dynamics
- Mathematical Biology
- Numerical Control Theory
- Numerical Statistics for Stochastic Differential Equations
- Numerical Studies on Neutral Network.

The department is interested in introducing new M.Sc. program in Mathematical / Computational Biology with the support of Biology department.

The department has collaborative research work with IIST, Central University of Tamilnadu and State Universities.

Further the department has made significant research collaboration with the following foreign Universities.

- Pusan National University
- Naval Postgraduate School, USA
- Yonsei University, Korea
- University of La Laguna, Spain
- Shandong Normal University, China
- Yeungnam University, South Korea
- Doshiba University, Japan
- National Cheng Kung University, Taiwan

### **Department of Applied Mathematics**

1. **Name of the Department :** Department of Applied Mathematics
2. **Year of establishment :** JUNE 2008
3. **Department comes under:** School of Mathematics and Statistics, Science faculty
4. **Names of programmes offered (PG, M.Phil., Ph.D., Diploma etc.)**
  - PG - M.Sc. Mathematics with Computer Applications
  - M.Phil. - Applied Mathematics
  - Ph.D. - Applied Mathematics
5. **Details of programmes discontinued, if any, with reasons:** Nil
6. **Examination System:** Semester System under Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	Yet to be sanctioned	2008	Placed as Professor & Head of Dept of Applied Mathematics
Associate Professors	Yet to be sanctioned	-	.
Assistant Professors	Yet to be sanctioned	2009 2011	Placed as Asst. Professor of Dept of Applied Mathematics (one number) One Asst. Professor under UGC XI plan for the Dept. of Applied Mathematics

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.S.P.Anjali Devi Professor & Head	M.Sc., Ph.D.	Fluid Dynamics, MHD, Computational Fluid Dynamics, Ferrofluids, Nanofluids & Mathematical Methods	Teaching: 34years, Research: 34 years	Ph.D.: 14(Awarded) 2(Synopsis submitted) 5(Guiding) M.Phil.: 84 (Awarded)
Dr.S.Narayana Moorthy Assistant Professor	M.Sc., M.Phil. Ph.D.	Fuzzy Mathematics	Teaching: 7 years, Research: 7 years	Ph.D.: 2(Awarded) 7(Guiding) M.Phil.: 16(Awarded) 5(Guiding)
Dr.M. Muthtamil Selvan Assistant Professor	M.Sc., M.Phil. Ph.D.	Computational Fluid Dynamics & Nanofluids	Teaching: 7 years, Research: 7 years	Ph.D.: 1(Awarded) 2(Guiding) M.Phil.: 6(Awarded) 5(Guiding)

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors:** Nil
10. **Percentage of classes taken by temporary faculty – programme-wise information**
  - M.Sc. Programme – 45%
  - M.Phil. Programme – 10%

**11. Programme-wise Student Teacher Ratio**

- M.Sc. Programme – 13:1
- M.Phil. Programme – 5:1
- Ph.D. Programme – 4:1

**12. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual as on date**

Actual as on date: Technical: 1 ATO (2014):

Administrative staff : 2 : One Assistant (2008): One Office Assistant (2008).

**13. Research thrust areas as recognized by major funding agencies**

As per Research projects, Research thrust area is Fluid dynamics.

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Name	Project	Period	Funding agency	Project title	Grants sanctioned
Dr.S.P.Anjali Devi	Major Research project	Feb.2010-Jan.2013	UGC	A Study on the effect of radiation on unsteady hydromagnetic flows over a stretching surface	Rs.11,99,800
Dr. M.Muthutamil Selvan	Major Research project	Sep. 2013-Sep. 2016	DST	Numerical Investigation of Oscillatory convection in a lid-driven cavity filled with Nanofluids	Rs.11,04,000
		Sep. 2013-Sep. 2016	CSIR	Effects of magnetic field on mixed convection flow in a 3-D lid-driven cavity filled with Nanofluids	Rs.10,84,000

**15. Inter-institutional collaborative projects and associated grants received**

a) National collaboration b) International collaboration: Nil

**16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE, DBT, ICSSR, AICTE, etc.; total grants received: Nil****17. Research facility / centre with: Nil****18. Special research laboratories sponsored by / various functioning agencies: Nil****19. Publications:**

S.No	Published in / Faculty	Dr.SPA	Dr.SNM	Dr.MM
1.	Number of Papers Published in Peer reviewed Journals (National / International)	31	51	20
2.	Monographs			
3.	Chapters in Books		2	
4.	Edited Books	1		
5.	Books with ISBN with details of publishers			
6.	Number listed in International Database			
7.	Citation Index – Range / Average	75	1	133
8.	SNIP /SJR			
9.	Impact Factor – range / average Highest Impact Factor	2.6	0.9	2.6
10.	H-index	4	1	3

**20. Details of patents and income generated: Nil****21. Areas of consultancy and income generated :**

Dr.S.P.Anjali Devi gave free consultancy to TCS people for solving one Technical problem, & Few PSG Tech., M.Tech. students in Mathematical modeling.

**22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)**

Dr.S.P.Anjali Devi visited Universiti Teknologi Malaysia and UTM centre for Industrial & Appl. Mathematics on invitation as a Short Term Visiting Professor for three weeks period for collaborative research and for delivering Invited talks during Feb. 2013. She has also visited National University of Singapore for delivering Invited talks and for fruitful deliberations with the faculty of Mech. Engg. Dept. during Feb. 2013.

- Dr. M. Muthamilselvan visited as a Visiting Professor Korea Maritime University, South Korea during May & June 2012.

**23. Faculty serving in**

	Dr. S.P. Anjali Devi
<b>National</b>	UGC Visiting Committing Member for IX plan appraisal and X plan proposal
<b>Editorial Board</b>	Acta ciencia indica and for Banyan Mathematical Journal(India)
<b>Any Other</b>	

**24. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

- Dr.S.Narayanamoorthy attended 84<sup>th</sup> orientation programme at UGC Academic College, Bharathiar University, Coimbatore, from 07<sup>th</sup> May to 03<sup>rd</sup> June 2010.
- Dr.S.Narayanamoorthy attended Refresher Course at UGC Academic College, Bharathiar University, Coimbatore, from 11<sup>th</sup> October to 01<sup>st</sup> November 2012.
- Dr.M.Muthamilselvan attended Faculty Development Programme at Bharathiar University, Coimbatore, from May 24<sup>th</sup> to 26<sup>th</sup> 2011.
- Dr.M.Muthamilselvan attended Faculty Development Programme entitled “Positive Attitude and Constructive Thinking” at Bharathiar University, Coimbatore, 30<sup>th</sup>, 31<sup>st</sup>, July and 1<sup>st</sup> August 2012.
- Dr.M.Muthamilselvan attended 99<sup>th</sup> orientation programme at UGC Academic College, Bharathiar University, Coimbatore, from 12<sup>th</sup> June to 9<sup>th</sup> July 2013.
- Dr.M.Muthamilselvan attended Workshop on Application of Computational Fluid Dynamics, National Institute of Technology, Trichy, 9<sup>th</sup> & 10<sup>th</sup> January 2014
- Dr.M.Muthamilselvan attended Workshop on e-content development, UGC Academic Staff College, Bharathiar University, Coimbatore, 12<sup>th</sup> to 14<sup>th</sup> February 2014

**25. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects – 100%
- percentage of students doing projects in collaboration with other universities / industry / institute – Nil

**26. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)**

- **Faculty**
  - Dr.S.P.Anjali Devi was awarded with “Best Woman Achiever Award 2012” by Anna University of Technology, Madurai during March 2012

- Dr.M.Muthutamilselvan received Top citation paper Award from Elsevier, 2012
- **Doctoral / post doctoral fellows**
- Dr. D. Prakash, Postdoctoral fellow, National Cheng Kung University, Taiwan
- **Students**
- M.Sc. Students received several prizes in various Inter-Departmental Competitions conducted by Bharathiar University during 2010- 2012
- Students received three prizes in various Inter-Collegiate Competitions held during “Bharathi Kalaivizha - 2013” organized by Bharathiar University

**27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants,**

S.No	Event	Date	No. of participants
1.	National Conference on Advances in Applied Mathematics	19.3.2010	162
2.	Placement Workshop on Aptitude Training & Skills Development	27.3.2010	90
3.	Placement Workshop on Communication Skills	16-17.3.10	90
4.	National Conference on Advances in Applied Mathematics	20-21.3.11	302
5.	Placement workshop on Soft skills	19.03.11	100
6.	Guest Lecture series on Modeling with FLUENT	04.8.11	100
7.	Guest Lecture series on Java Programming	10.8.11	100
8.	Guest Lecture series on Data structures and its impact	20-24.9.11	90
9.	Guest Lecture series on Java Programming and its impact	29.9.11	90
10.	NET / SET training programme –Phase I	15-16.2.12	100
11.	Software Training Programme	28-29.2.12	80
12.	National Conference on Advances in Applied Mathematics	27.3.12	149
13.	Placement workshop on Self Empowerment	22.3.12	110
14.	NET / SET training programme –Phase II	30-31.3.12	100
15.	Special Lecture series on Mathematical Modeling	19.6.12	100
16.	NET / SET training programme –Phase III	25.9.12	100
17.	Placement workshop on aptitude and Communication skills	30.1.13	110
18.	National Conference on Advances in Applied Mathematics	15.3.13	225
19.	Guest Lecture series on Actuarial Mathematics & its Applications	27-28.4.13	90
20.	Lecture series on Bio-fluid Mech. & Discrete dynamical system	16-30.8.13	110
21.	International Seminar on Advances in Applied Mathematics	26.8.13	150
22.	National Conference on Advances in Applied Mathematics	25.2.14	220
23.	National Conference on Advances in Applied Mathematics	12-13.2.15	250

**28. Code of ethics for research followed by the departments**

**Academic freedom:** The recognition of the right to academic freedom at the University entails the complete protection of freedom of investigation, thought, expression, publication of results and peaceful gathering.

**Researcher:** In the context of this Code, this includes any full-time or part-time member of staff or postgraduate or research student of the Dept. of Applied Mathematics taking part in any research activity.

**Integrity:** The consistent maintenance of ethical values in all words and behaviour.

**29. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (2014-15)	65	8	33	88%	97%
M.Phil. (2014-15)	21	2	8		
Ph.D. (2014-15)	3	1			



### 30. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (2010-11)	82.5%	15%	2.5%	-
M.Phil. (2010-11)	100%	-	-	-
Ph.D. (2010-11)	100%	-	-	-

### 31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

- Nil

### 32. Student progression

Student	Percentage against enrolled
PG to M.Phil.	45 to 50%
PG to Ph.D.	17%
Ph.D. to Post-Doctoral	-
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Those who were willing to go for employment got employed
Entrepreneurs	Three

### 33. Diversity of staff

Percentage of faculty who are graduates	
From the same University	67%
From other Universities within the State	33%
From Universities from other States	-
From Universities outside the Country	-

### 34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

### 35. Present details of departmental infrastructural facilities with regard to

- Euler's library- No. of books : 137
- In Dept. Library – UGC Books : 66, Dept. Books – 14
- a) Internet facilities for staff and students: Available
- b) Total number of class rooms – four
- c) Class rooms with ICT facility – Nil
- d) Students' laboratories - Two computer labs
- e) Research laboratories- Nil

### 36. List of doctoral, post-doctoral students and Research Associates

- c) from the University – 16 Ph.D. Scholars
- d) from other institutions/Universities - Nil

### 37. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others

UGC single girl child scholarship: 17, Private Scholarship: 13, Scholarships B.C. : 35  
M.B.C. : 6 S.C. : 5 S.T. : Nil

### 38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No

**39. Does the department obtain feedback from**

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- c) alumni and employers on the programmes offered and how does the department utilize the feedback?
- Feedback was taken in the students/parents/interaction meeting held on 5<sup>th</sup> Dec 2013. During the curriculum modification and Faculty meeting this feedback is considered in our department. Also separate Feedbacks are obtained, suggestions are already taken into consideration.

**40. List the distinguished alumni of the department (maximum 10)**

Dr. D. Prakash, Postdoctoral fellow, National Cheng Kung University, Taiwan  
 Dr. Anne Susan Georgena S., Asst. Prof., CSI Engg College, Ooty  
 Dr. Sr. Julie Andrews, Asst. Prof., St. Thomas College, Thrissur, Kerala  
 Dr. Wilfred Samuel Raj. J., Asst. Prof., Sri Sakthi Institute of Engg. & Tech., Coimbatore  
 Dr. Anu Kokila. P., Asst. Prof., PSG Arts & Science College, Coimbatore  
 Dr. Nagarajan. P., Asst. Prof., VSB Engg. College, Coimbatore

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

List is given in Question No. 27.

**42. List the teaching methods adopted by the faculty for different programmes.**

- ◆ For PG – With Board, With LCD Projector, Seminars allotted to students, Self study portion for the project
- ◆ For M.Phil. - with LCD Projector, Seminars, Self study methods

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The Objective are met through Guest Lectures, Projects, Power Point Presentations, Class interactions, Solving application oriented problems and the learning outcomes are monitored by their performance in text, solving problems, student seminars, assignments and group discussions.

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

Dr. S. P. Anjali Devi – Conducted “State level conference on Women health and Social Awareness” on 19<sup>th</sup> Dec 2010 along with Iswarya Hospitals, Coimbatore.

**45. Give details of “beyond syllabus and scholarly activities” of the department. Conduct of Seminar / Conferences in National/International levels, Workshops & Guest Lectures**

Participating in National/International Seminar & Conferences, Workshops & Training programmes, Paper Publications, Group discussions

**46. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. No**

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Department has produced a number of Ph.D. Scholars during 2010 – 2015. The research works done by these scholars have initiated to identify new problem areas and has motivated other students to investigate further. The courses offered in the Department are unique in nature. The selection of subjects in the curriculum covers both pure and Applied Mathematics thereby enabling the students to qualify in a wide range of career objectives such as in competitive exams, IT, Banks etc.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**Strengths

- Excellent course structure and the introduction of new subjects
- Department commitment to professional development.
- Flexibility in framing the syllabus and teaching methods
- Enhancement of research aptitude, Good counseling and advising.
- Caring, dedicated and vibrant teaching faculty with sound knowledge on the subject

Weaknesses

- Career related programmes, Alumnae Outreach, Communication skills, Limited exposure.

Opportunities

- Academic flexibility, Updating subject knowledge, Holistic development.
- Use of technology, To have more exchange programmes with foreign universities, Innovative methods of teaching, To train students to get better placement.

Challenges

- Relating the subject to real life situations.
- To bring awareness about the wide applications of Applied Mathematics.
- Integration of Technology.
- To enhance research publications of both Staff and students.
- First generation learners with very little exposure to English

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- To conduct more collaborative research projects with Foreign Universities
- To introduce certificate courses in subjects related to Applied Mathematics
- Modifying and updating teaching methods to develop the communication skills, soft skills, interview skills of the learners.
- To strengthen research collaborations with Foreign Universities.
- Entering into more MoUs and their executions with Foreign Universities
- Inviting more Foreign Professors to the Department

### **Department of Statistics**

1. **Name of the Department :** Statistics
2. **Year of establishment :** 1979
3. **Department comes under** School of Mathematics and Statistics, Faculty of Science
4. **Names of programmes offered :**  
 M.Sc., Statistics ,      M.Sc., Statistics with Computer Applications  
 M.Phil., Statistics,      Ph.D., Statistics
5. **Name the Interdisciplinary programmes offered if any :**  
 M.Sc., Statistics with Computer Applications
6. **Details of programmes discontinued, if any, with reasons :** Nil
7. **Exam system:** Choice Based Credit System- Semester Pattern
8. **Participation of the department in the courses offered by other departments**  
 I and II year Post Graduate students this department are enrolled themselves in each semester for their supportive courses offered by other departments of this university.
9. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1	1	2
Associate Professors	2	2	1
Asst. Professors	5+1*	5	3+1*

\* UGC XI plan post

10. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. K.K. Suresh, Professor and Head	M.Sc., M.Phil., Ph.D., PGDCA	SQC, Agricultural statistics, Econometrics, and expert systems	30/33	20/63
Dr. R. Vijayaragavan, Professor	M.Sc., Ph.D.,	SQC, Reliability / life testing sampling plans, statistical modeling.	25/29	5/9
Dr. R. Jaishankar, Associate Professor	M.Sc., M.Phil., Ph.D.,	Bio-Statistics, Stochastic modeling	23/26	0 /11
Dr. K.M. Sakthivel, Assistant Professor	M.Sc., M.Phil., Ph.D.,	SQC, Estimation Theory, Statistical Inference.	12/12	0 /11
Dr. R. Muthukrishnan Assistant Professor	M.Sc., Ph.D.,	Statistical Inference, Robust Statistics	15/18	2 / 8
Dr. V. Kaviyarasu, Assistant Professor	M.Sc., M.Phil., Ph.D., MCA.	SQC, Reliability studies, Data Analysis, Data Mining	10/10	0 / 7
Dr. K. Pradeepa veerakumari, Assistant Professor	M.Sc., Ph.D.,	SQC, Neural networks	6/10	1/ 3

**11. List of senior Visiting Fellows, temporary faculty, emeritus professors**

Two temporary faculties are working in the department as Guest Lecturers.

S. No	Chief Guest Name	S.No	Chief Guest Name
1	Dr. R. Ramanan, Associate prof.and Head, Department Of Statistics, Presidency college, Chennai.	2	Dr. K.Suresh Chandra Professor (Retd.,) Department of Statistics University of Madras, Chennai
3	Dr. K. Senthamarai Kannan, Prof. and Head department of Statistics M.S university , Thirunalveli.	4	Dr. G.Gopal Professor and Head (Retd.,) Department of Statistics University of Madras, Chennai

**12. Percentage of classes taken by temporary faculty – programme-wise information**

M.Sc., Statistics: 20%

M.Sc., Statistics with CA: 20%

**13. Programme-wise Student Teacher Ratio**

P.G. - 5:1,

M.Phil. Statistics – 2:1,

Ph.D., Statistics – 4:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

	Sanctioned	Filled	As on Date
Technical	1	1	1
Administrative	2	1	1
Daily wages	1	1	0

**15. Research thrust areas as recognized by major funding agencies**

Statistical Quality Control, Statistical Inference, Bio-Statistics and Data Mining

**16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Dr. R. Vijayaragavan	A Study on the Evaluation of Sampling Inspection Plans by Variables Based on Normal and Non -normal Distributions (2011-14)	5,85,300.00	UGC / National
Dr. K. M. Sakthivel	A Surveillance On Risk Factors Of Cardiovascular Disease, (2011-13)	1,40,000.00	UGC / National
Dr. R. Muthukrishnan	Robust Statistics And Its Applications In Computer Vision (2011-14)	7,93,051.00	UGC / National

**17. Inter-institutional collaborative projects and associated grants received**

c) National collaboration b) International collaboration : Nil

**18. Departmental projects funded by DST-FIST, UGC-SAP/ CAS, DPE, DBT, ICSSR, AICTE ect.**

The department has been identified under DST- FIST (level-1) for the period (2014 - 2017) and was sanctioned Rs. 45 lakhs. Proposal Submitted to UGC-SAP for 2015for 125 lakhs.

**19. Research facility/ centre with State / National / International recognition: Nil****20. Special research laboratories sponsored by / various funding agencies: Nil**

**21. Publications:**

\* Number of papers published in peer reviewed journals (national / international)

	Dr. KKS	Dr. RV	Dr. RJ	Dr.KMS	Dr.RM	Dr. VK	Dr. KPV
National	26	25	3	4	7	4	5
International	6	13	8	4	17	2	3

Papers published in reviewed journals indexing journals, like mathematical reviewers, Scopus and conference proceedings.

\* Citation Index – range / average : 5 - 10

\* Impact Factor – range / average : 0 to 2.5

\* H - index – 2 to 4

**22. Details of patents and income generated: Nil**

**23. Areas of consultancy and income generated:** The consultation are given free of cost towards application of statistical methods in Industries and research.

**24. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil**

**25. Faculty serving in**

a) National committees b) International committees c) Editorial Boards

Name of the faculty	Editorial board	UPSC / TNPSC / BPSC	Reviewer
Dr.K.K. Suresh		UPSC Examination	1). Journal of Applied Statistics. U.K 2). Journal of Modern Applied Statistics Methods, U.S.A 3).British Journal of Mathematics and Computer Science, USA 4). Physical science of International Journal, UK 5) Pakistan Journal of Statistics
Dr.R. Vijayaragavan		UPSC Examination, Karnataka Public Service commission	1). Journal of Applied Statistics 2).Communications in Statistics – Simulation and Computation 3). Journal of Testing and Evaluation 4).IEEE Tramactions an components packaging and Manufacturing Technology 5).Journal of King Saud University 6).World Applied Science Journal 7).Pakistan Journal of Statistics 8).Pakistan Journal of Statistics and Operations Research 9). Economic Quality Control
Dr.R.Muthukrishnan			1) Conference Proceedings (ICCSIT), 2011 2) Pakistan Journal of Statistics and Operations Research

**26. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

	Dr.KKS	Dr. RV	Dr. RJ	Dr.KMS	Dr.RMK	Dr.VKA	Dr.KPV
Orientation	-	-	-	-	-	-	1
Refresher	-	-	-	1	-	-	-
Workshop	3	3	7	5	10	10	3
Training	1	1	1	1	17	3	1
Conference	22	21	3	5	8	7	4

Details enclosed in Annexure I

## 27. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects: 100 % (Projects within the department as a part of curriculum)
- Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

## 28. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)

- Faculty : Dr. K.K. Suresh UGC-2012-BSR-OTG – 7 Lakhs
- Doctoral / post doctoral fellows : INSPIRE, DST-PURSE- Merit scholar

Student Name	Doctoral / post doctoral fellows	Year	Faculty Name
M.Radha	URF	2009 - 2011	Dr.R.Muthukrishnan
E.D.Boobalan	PF (UGC-MRP)	2011-2014	Dr.R.Muthukrishnan
K.Mahesh	DST-PURSE	2011-2014	Dr.R.Muthukrishnan
P.Aruna	URF	2012-2014	Dr.R. Vijayaraghavan
S. Banumathi	DST- INSPIRE	2011-2015	Dr.R. Vijayaraghavan
S. Uma	DST- INSPIRE	2011-2015	Dr.R. Vijayaraghavan
Anamiya Baby	DST- INSPIRE	2012-2015	Dr.K.K. Suresh
K. Indira	DST- INSPIRE	2012-2015	Dr.K.K. Suresh
S. Umamaheswari	DST- INSPIRE	2013-2015	Dr.K.K. Suresh
K. Usha	DST- INSPIRE	2013-2015	Dr.K.K. Suresh
K. Vinitha Xavier	URF	2014	Dr.K.K. Suresh
S. Azarudheen	URF	2014	Dr.K.Pradeepa Veerakumari
S.Kumar	URF	2015	Dr.K.M.Sakthivel
R.Rekha	URF	2015	Dr.R.Muthukrishnan

- Students: Rajiv Gandhi fellowship, Indra Gandhi fellowship for single girl child.

## 29. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants,

Event	Duration	Title	Funding Agencies	Participants
National Conference	21-23.09.2010	Recent Advances in Statistics & Computer Applications(RASCA) -2010	UGC	250
Workshop	24.02. 2011	Placement workshop on career in Statistics	UGC	175
Workshop	21.02.2012	Placement workshop on career in Statistics	UGC	125
Conference	27-28.03. 2014	National Conference on Advances in Statistics Theory, Modeling And Applications (NCASTMA)	DST- FIST	200
Workshop	21-22.08. 2014	National workshop on Applications of statistical software(NWASS-2014)	TNSCST	100
Workshop	2014	Workshop on data dissemination census - 2011 (DDC 2011) August-2014	UGC	100

## 30. Code of ethics for research followed by the departments:

Publication of Research paper in high quality journals of international / national repute with high index.

## 31. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Sc., Statistics	102	31	35	93.55	97.14
M.Sc., Statistics With Computer Applications	87	27	28	92.59	96.43
M.Phil, Statistics	52	20	22	100	100
Ph.D., Statistics	25	7	14	100	100

### 32. Diversity of students

Name of the Programme	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc., Statistics	70.15	22.39	7.46	0.0
M.Sc., Statistics With Computer Applications	58.49	24.53	16.98	0.0
M.Phil, Statistics	54.76	38.09	7.15	0.0
Ph.D., Statistics	71.58	28.42	0.0	0.0

### 33. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

### 34. Student progression

Student	Percentage against enrolled
PG to M.Phil.	30%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	20%
• Other than campus recruitment	60%
Entrepreneurs	

### 35. Diversity of staff

Percentage of faculty who are graduates	
From the same University	57.14%
From other Universities within the State	42.86%
From Universities from other States	0
From Universities outside the Country	0

### 36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Two members were awarded Ph.D. degree in 2013-14 academic year.

Name	Year	Degree Awarded
Dr. K.M. Sakthivel	2012	Ph.D.
Dr. V. Kaviyarasu	2013	Ph.D.

### 37. Present details of departmental infrastructural facilities with regard to

- Library : Yes (200)
- Internet facilities for staff and students : Yes
- Total number of class rooms : 2
- Class rooms with ICT facility : 1
- Students' laboratories : 2 (Computer lab)
- Research laboratories : Nil

### 38. List of doctoral, post-doctoral students and Research Associates

a) from the University : 21

S. No	Student Name	Course	S. No	Student Name	Course
1	P.Aruna	Ph.D. (URF)	12	E.D. Boobalan	Ph.D.
2	S. Banumathi	Ph.D. (DST INSPIRE)	13	H.M Aruna	Ph.D.
3	S. Uma	Ph.D. (DST INSPIRE)	14	R.Reka	Ph.D. (URF)
4	Anamiya Baby	Ph.D. (DST INSPIRE)	15	V. Nirmala	Ph.D.



5	K. Indira	Ph.D. (DST INSPIRE)	16	S. Kumar	Ph.D. (URF)
6	S. Umamaheswari	Ph.D. (DST INSPIRE)	17	G. Poonguzhali	Ph.D.
7	K. Usha	Ph.D. (DST INSPIRE)	18	C.S Rajitha	Ph.D.
8	K. Vinita Xavier	Ph.D. (URF)	19	M. Kokila	Ph.D.
9	S. Azarudheen	Ph.D. (URF)	20	Priyanka Challa	Ph.D.
10	P. Ponnaswari	Ph.D.	21	S. Suganya	Ph.D.(DST INSPIRE)
11	A.Vivian Clamanz	Ph.D.			

b) from other institutions/Universities: Nil

**39. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others**

**State government scholarship for BC / MBC / SC / ST, UGG single girl child scholarship, University scholarship towards free education.**

BC	MBC	SC / ST	Single girl child
14	35	13	3

**40. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil**

**41. Does the department obtain feedback from**

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The department has obtained duly filled feedback datasheet from the students and rectified the same.

- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The department observes the feedback and monitor the needs of students.

- c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

The alumni and employers feedback was observed and try to incorporate in the revised curriculum in the subsequent years.

**42. List the distinguished alumni of the department (maximum 10)**

Name of the alumni	Batch	Present Position	Contact
S. Tharanya	2010-11	TCS-Analyst	9980361611
S. Vimalraj	2010-11	TCS-Statistical Analyst	9538980832
D. Loganathan	2010-11	ICMR-Statistical Investigator	7708972689
G. Saranya	2010-11	TCS-Analyst	
N. Mouli	2010-11	ICON SAS Programmer	9787576522
K. Vijayan	2010-11	ICON SAS Programmer	9500235085
S. Vinothkumar	2011-12	TCS-Analyst	9940931240
Vipin Ragunathan	2011-12	Statistical Analyst	7738467619
S. Revathy	2010-11	SAS-Analyst	8892150510
K. P. Yoonus	2011-12	Statistician	773675846

**43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Every year the department is conducting series of lectures for the benefit of the students.

1. National Workshop on "Reliability Models and Stochastic Processes" on January 23-25, 2014
2. National Workshop on Applications of Statistical Software, August 21 -22, 2014
3. National Workshop on "Data Dissemination - Census 2011), sponsored by Directorate of Census Operations, Tamilnadu, Ministry of Home Affairs, Govt. of India.

**44. List the teaching methods adopted by the faculty for different programmes.**

Black board, ICT, Computer lab, PPT etc.,

**45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Through the conduct of seminar, monthly twice test, assignment and based on their placement.

**46. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

Delivery of lectures by the faculty to other discipline students and scholars.

**47. Give details of “beyond syllabus and scholarly activities” of the department.**

Motivation given to the students to write the ISS, SET/NET exam, series of seminar is conducted for the benefit of the students.

**48. State Whether the programme/ department is accredited/ graded by other agencies: Nil****49. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Developing software skills, soft skills and communication skills among the students is given importance. Books are issued to the students of PG in Statistics to prepare for Competitive Examinations at free of cost from the funds of University. Incorporating Insurance related papers for students,, placement in Insurance sector.

**50. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths	Weakness	Opportunities	Challenges
Infrastructure of the department	Only 3 colleges offer UG Programme in Statistics.	Good lab and library.	Placement for students
Effectiveness of Teaching	Less intake students	Easy access of e-journals	Publications in SCI Journals
Research Publications	Merit students are low because of backward and hill area.	Equality in gender and community	Motivation to higher studies
Fully qualified faculty	Responsibilities of students is reduced	Easy accessibilities of teachers	Enhancing knowledge through research
Friendly atmosphere among the students and faculty	Lack of knowledge in feeder college towards formulating statistical theory and application knowledge.	Conducive atmosphere for learning	Motivating the students for competitive examinations

**51. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

The department is proposed to start new courses M.Tech. Programme and PG programme in Bio-Statistics and Actuarial Sciences in future. The department is going to identify the new need thrust area for the research and proposed to collaborate with other university.

### **Department of Nanoscience and Technology**

- 1. Name of the Department :** Nanoscience and Technology
- 2. Year of Establishment :** 2007
- 3. Department comes under :** School of Physical Sciences, Faculty of Science
- 4. Names of programmes offered (PG, M.Phil., Ph.D., Diploma etc.)**  
M. Sc. Nanoscience and Technology [Physics, Chemistry and Biotechnology Based];  
M. Phil.; Ph. D. (Interdisciplinary)
- 5. Name the Interdisciplinary programmes offered if any :**  
Physics, Chemistry, Biotechnology
- 6. Courses in collaboration with other Departments, Universities, Industries, Foreign Institutions, etc :**  
Physics, Chemistry, Biotechnology
- 7. Details of programmes discontinued, if any, with reasons:** Nil
- 8. Examination System: Annual / Semester / Trimester / Choice Based Credit System :**  
Semester & Choice Based Credit System
- 9. Participation of the department in the courses offered by other departments**  
The Post-Graduate students are allowed to take the Physics and Chemistry Core Subjects offered by the respective departments.

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) till date**

Teaching Post	Sanctioned	Actual
Professor	1	2
Associate Professors	2	2
Assistant Professors	2	3

**11. Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr D. Mangalaraj, Professor and Head	Ph.D.	Thin Films, Nanomaterials,	33/37	6/10
Dr N. Ponpandian, Associate Professor	Ph.D.	Magnetic Materials	7/13	4/10
Dr R. T. Rajendra Kumar, Reader	Ph.D.	Thin films and fabrication of devices	6/13	2/8
Dr P. P. Vijaya, Associate Professor	Ph. D.	Biomedical Genetics and Biotechnology	15/15	2/14
Dr C. Viswanathan, Assistant Professor	Ph.D.	Nanomaterials for Energy Storage	7/10	3/10
Dr A. Balamurugan, Assistant Professor	Ph.D.	Ceramics and Bioglasses	5/12	-/4
Ms P. Premasudha, Assistant Professor	M. Phil.	Biological compounds	10/11	-/5

## 12. List of senior visiting fellows, temporary faculty, emeritus professors

### Visiting Fellow:

Dr Ruey Chang Hsiao, Department of Chemical Engineering and Materials Engineering, Lunghwa University of Science and Technology, Taiwan

### Temporary Faculties

Dr M. C. Harish [July '11 – Apr. '13] ; Dr S. Dhivya [July '12 – Apr. '13]

Ms E. M. Koushika [Aug. '12 – Apr. '13]; Ms K. Shakeera [Aug. '13 – Apr. '14]

Mr G. Ram Kumar [Aug. '14 – Till]; Ms R. Revathi [Aug. 2014 – Till]

## 13. Percentage of classes taken by temporary faculty – programme-wise information

M. Sc. Nanoscience and Technology – 25 %

## 14. Programme-wise Student Teacher Ratio

- M. Sc. Nanoscience and Technology 40/8 – 5 : 1
- M. Phil. Nanoscience and Technology 15/5 – 3 : 1
- Ph. D. Nanoscience and Technology 25/5 – 5 : 1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date

	Sanctioned	Actual (Temporary)
Assistant Technical Officer	1	1
Junior Assistant	1	1
Office Assistant	1	1

## 16. Research thrust areas as recognized by major funding agencies

- Nanomaterials and Thin Films for Magnetic, Energy Storage, bioactive and Biomedical Applications
- Nanostructured Metal Oxides - Environmental Monitoring and Remediation

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Name of the Principal Investigator	Funding Agency	Title of the project	Amount (Lakhs)	Duration		Status
				From	To	
Dr D.Mangalaraj	DRDO [National]	Fabrication of Nanostructured Thin Films for Microfabricated Gas Sensors to Assess the Quality of Food Products such as Meat and Milk	Rs. 260.00	2005	2010	Completed
Dr N. Ponpandian	DRDO [National]	Magnetocaloric effect in Nanostructures and Thin Films of $Gd_5(Si_xGe_{1-x})_4$ for Magnetic Refrigeration	Rs. 23.24	2010	2014	Completed
Dr C. Visvanathan	UGC [National]	Controlled growth of single crystalline $V_2O_5$ nanorod arrays for high storage capacity Li-ion batteries	Rs. 8.4	2010	2013	Completed
	DRDO [National]	Preparation and Characterization of ZnO nanorods for UV sensor applications.	Rs. 9.0	2010	2013	Completed
Dr D.Mangalaraj	UGC [National]	UGC – One Time Grant for Basic Science Research	Rs. 7.0	2010	2013	Ongoing

Dr N. Ponpandian	UGC-DAE CSR [National]	Ion Beam Synthesis and Characterization of Nanocomposite Exchange Spring Magnets	~7.0	1010	2015	Ongoing
	DST [National]	Development of Monodispersed Functionalized Superpara-magnetic Nanoparticles for Potential Biological Applications.	Rs. 22.64	2012	2015	Ongoing
	UGC [National]	Hollow Nanostructures of Hydroxyapatite and its Composites : Shape Controlled Synthesis and Photodegradation Studies	Rs. 12.76	2012	2015	Ongoing
Dr R. T. Rajendra Kumar	DST [National]	Fabrication of ZnO nanorods/polymer hetero-junction for solar cell application	Rs.30.00	2011	2014	Ongoing
	DST – Indo-Ireland Bilateral Project [International]	Investigation of interfacial charge transfer aspects of hybrid polymer/ZnO nanorod arrays as an initial step towards judging their potential for nano-light emitting devices	Rs. 3.07	2012	2015	Ongoing
	UGC – IUAC [National]	Influence of Swift Heavy Ion Irradiation on the structural and Magnetic Properties of Galferol (Fe <sub>1-x</sub> Ga <sub>x</sub> ) Thin Films	Rs.6.03	2012	2015	Ongoing
	DAE- BRNS [National]	Wetting control and electrowetting properties of superhydrophobic Si nanostructures	Rs.14.35	2012	2015	Ongoing
	DST-SERB [National]	Synthesis and characterization of reduced graphene oxide gas sensing applications	Rs. 27.60	2012	2015	Ongoing
	DRDO-BU CLS [National]	Development of carbon based nanostructures for nano biosensors	Rs. 25.50	2014	2017	Ongoing
Dr C. Viswanathan	DST [National]	Longmuier Blodgett Assembly of ordered SnO <sub>2</sub> /Graphene Nanocomposites Film for Energy Storage Applications	Rs. 20.00	2012	2015	Ongoing
Dr A. Balamurugan	DST [National]	Development of Calcium Phosphate / Silica Nanotube (SiNTs) based 3 D Porous Scaffolds : A candidate material for hard tissue regeneration	Rs. 26.6	2012	2015	Ongoing
	UGC [National]	Development and Evaluation of Corrosion Resistance Biocompatible Coatings on Titanium Alloys for Implant Applications	Rs. 8.0	2012	2015	Ongoing

	ICMR [National]	Development and Evaluation of Regeneration Sol-Gel Derived Nanoscale Bioactive Materials	Rs. 27.0	2015	2018	Ongoing
Ms P. Premasudha	DRDO-BU CLS [National]	Isolation, Characterization, Application of Pigment from Microorganisms	Rs. 14.9	2014	2017	Ongoing

## 18. Inter-institutional collaborative projects and associated grants received

### (a) National collaboration

- UGC – DAE CSR Project on Ion Beam Synthesis and Characterization of Nanocomposite Exchange Spring Magnets in Collaboration with Indira Gandhi Centre for Atomic Research, ~Rs.7 Lakhs for the period from 2012-2015.
- DST Project on Fabrication of ZnO nanorods/polymer hetero-junction for solar cell application with Cochin University of Science and Technology, Rs.30 Lakhs for the period of three years.
- Collaboration with DRDO labs (DMRL & SSPL) in the field of magnetism and IR sensors.

### (b) International collaboration

- Dr N. Sabari Arul has been invited by the Department of Chemical and Materials Engineering, Lungwa University of Science and Technology, Taoyuan, Taiwan for the period 6 months in 2009 -2010 with the support of travel and local expenses.
- Mr C. Madan Kumar has been invited by Shenyang National Laboratory for Materials Science, Institute of Metal Research, Shenyang, China for the period of one year from August 2011 to July 2012 with the financial support for his travel and local expenses.

## 19. Departmental projects funded by DST-FIST, UGC/SAP/CAS, DPE, DBT, ICSSR, AICTE, etc. total grants received

Project	Duration	Funding Agency	Funds Received
DST-FIST	2014-2019	DST	Rs. 85 Laks
DSA PHASE I	2015-2020	UGC	Invited for Presentation

## 20. Research Facility / Centre with State / National / International : Nil

## 21. Special research laboratories sponsored by / various functioning agencies

Project	Duration	Funding Agency	Funds Received
DST-FIST	2014-2019	DST	Rs. 85 Lakhs
DSA PHASE I	2015-2020	UGC	Invited for Presentation

## 22. Publications:

S. No.	Item	Total Numbers
1.	Number of papers published in peer reviewed journals	118
2.	Monographs	Nil
3.	Chapters in Books	2
4.	Edited Books	2
5.	Books with ISBN with details of publishers	Nil
6.	Number listed in International Database	
	<b>Web of Science</b>	
	Number of Articles	115
	Sum of the Times Cited	783
	Average Citations Per Item	6.81
	h – index	16



	<b>Scopus</b> Number of Articles Sum of the Times Cited Average Citations Per Item h – index		<b>129</b> <b>841</b> <b>6.62</b> <b>18</b>
7.	<b>Citation Index</b> Total Average		<b>841</b> <b>6.62</b>
8.	<b>SNIP</b>	Range Average	<b>2.29 – 0.404</b> <b>1.1.30</b>
9.	<b>SJR</b>	Range Average	<b>2.396 – 0.392</b> <b>0.905</b>
10.	<b>Impact Factor</b>	Range Average	<b>2 – 6.5</b> <b>2.6</b>
11.	<b>h - index</b>		<b>18</b>

### 23. Details of patents and income generated

- **Ms P. Premasudha:** Novel chitosan nano-herbal composites and process for preparation and application thereof (2015) [Filed on Dec. 29, 2014].
- **R.T.Rajendra Kumar,** ‘Wide bandgap nanostructures’, British patent application no. 0803709.5

### 24. Areas of consultancy and income generated

Bharathiar Nano-Innovation Centre functioning in the Department provides the nanomaterials to the researchers and the R & D companies with minimum benefit basis. The department faculties also provide research consultancy to the affiliated colleges through conducting several workshops on synthesis and characterization of various materials in their Institutes and research scholars in using the advanced characterization techniques available in the Department and data analysis.

### 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)

#### Prof. D. Mangalaraj

- **Chonbuk National University, Jeonju, Korea,** September 14 – 18, 2010 – Visiting Professor and also to exploit the possible collaboration for the Research Scholars and M. Sc. students
- **Pusan National University, South Korea,** September 20 – 24, 2010 - Visiting Professor and also to exploit the possible collaboration for the Research Scholars and M. Sc. students
- **National University of Singapore, Singapore,** September 27 – 30, 2012 – To exploit the possibility of signing MoU with NUS Singapore for the Student exchange Programme.

#### Dr R. T. Rajendra Kumar

- **Dublin City University, Ireland,** May 2010 – July 2010 – Visiting Professor

### 26. Faculty serving in

#### (a) National committees

##### Dr D. Mangalaraj

- Selection Committee Member – UGC Innovative Programmes- UGC, Govt. of India

#### (b) International committees

##### Dr N. Ponpandian

- Project Evaluation Committee Member in King Abdulaziz University (KAU), Saudi Arabia

**(c) Editorial Boards**

- **Dr D. Mangalaraj**—Editorial Board Member in Hindwai Publishers
  - **Dr N. Ponpandian**—Editorial Board member in Scientific Reports - Nature Publishing Group, UK
  - **Dr R. T. Rajendra Kumar**, Editorial Board member, Heliyon-Elsevier, UK
- (d) any other (please specify)**

**27. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

- **Dr C. Viswanathan**, Refresher Course on Nanomaterials Organized by Academic Staff College, Bharathiar University, Coimbatore on 01.12.2011 to 21.12.2011.
- **Dr P. Premasudha**, 93<sup>rd</sup> Orientation Course Organized by Academic Staff College, Bharathiar University, Coimbatore on 08.05.2012 to 04.06.2012.
- **Dr C. Viswanathan**, Refresher Course on Physics Organized by Academic Staff College, Bharathiar University, Coimbatore on 11.09.2013 to 01.10.2013.
- **Dr A. Balamurugan**, 100<sup>th</sup> Orientation Course Organized by Academic Staff College, Bharathiar University, Coimbatore on 19.11.2013 to 16.12.2013.
- **Dr P. Premasudha**, Refresher Course on Environmental Studies (Multidisciplinary), Organized by Academic Staff College, Bharathiar University, Coimbatore on 03.12.2014 to 23.12.2014.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects** 10 %
- **percentage of students doing projects in collaboration with other universities / industry / institute** 90 %

**29. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)**

**Faculty**

**Prof. Dr D. Mangalaraj**

- Tamil Nadu Scientist Award for Physical Sciences, Tamilnadu State Council for Science and Technology, Government of Tamilnadu, 2012.
- One time Research Grant for Innovation in Basic Science Research, University Grants Commission, Government of India, 2012

**Dr N. Ponpandian**

- Young Scientist Award, DST – SERB, Government of India, 2012.
- Best Faculty Award – Physics – Senior, Nehru Group of Institutions, Tamilnadu & Kerala, 2013
- Best-Poster Award, Magnetic Society of India and Pondicherry University, 2014.

**Dr R. T. Rajendra Kumar**

- DAE- BRNS Young Scientist Research Award, **DAE- BRNS, Govt. of India, 2012**
- DST – SERB Young Scientist Award, DST-SERB, Govt. of India, 2012.
- Best Faculty Award – Physics, Nehru Group of Institutions, Tamilnadu & Kerala, 2012

**Dr C. Viswanthan**

- Young Scientist Award, DST – SERB, Government of India, 2012.
- Best Faculty Award – Physics – Junior, Nehru Group of Institutions, Tamilnadu & Kerala, 2013.



### Dr A. Balamurugan

- Young Scientist Award, DST – SERB, Government of India, 2012.
- Sr Researcher, Institute of Nanomaterials and Technology, ENSER, Royale, 2009-2011.

### Doctoral / post doctoral Fellows

- Dr N. Sabari Arul, Research Professor at Dongguk University, South Korea
- Dr S. Thirumalairajan, Postdoc, University of Sao Paulo, Brazil.
- Dr P. Manivel, Research Fellow, NTU, Singapore.
- Dr S. Rajesh Kumar, Researcher, Chang Gung University, Taiwan.

### Students

- Many research Awards (Oral and Poster Presentation) by our Research Scholars.
- Council of Scientific and Industrial Research – SRF – Mr P. Manivel.
- Summer Internship – NUS, Singapore – Ms Bhaarithy Velmurugan and Mr Vishnuraj
- More than 60 % of our M. Sc. students in every year are continuing their higher studies in highly reputed National and International Research Laboratories.
- Indira Gandhi Scholarship for Single Girl Child - Ms K. P. Remya, Ms G. Pavithra, Ms R. Pavithra and Ms R. Rama -
- SET Qualified - Mr S. Boopathy (2012)

### 30. Seminars / Conferences/Workshops organized and the source of funding (National / International) with details of participants,

Conference / Seminar / Workshop	Period	Funding	Outstanding / No. of Participant
National Conference on Multifunctional Nanomaterials and Nanocomposites	February 4-5, 2010	UGC XI Plan Grant from University and DRDO	Dr M. R. Srinivasan, Former Chairman, Atomic Energy Commission and Secretary, DAE, Govt. of India /350
Second National Conference on Multifunctional Nanomaterials and Nanocomposites	March 25-26, 2011	Bharathiar University	Prof. Munichandraiah, Prof. G. Mohan Rao, IISc and Prof. MSR Rao and Prof. B. S. Murty, IIT Chennai/275
Refresher Course in Nanoscience (Interdisciplinary)	December 1-21, 2011	UGC Academic College, Bharathiar University	Dr V. Ganesan, Director, UGC-DAE CSR, Indore, Dr Peer Morgen, University of Southern Denmark, Denmark /25
National Workshop on Advanced Instruments for Characterization	March 27, 2012	DST-PURSE	Dr Ganesh, CECRI, Karaikudi/175
Refresher Course in Nanoscience (Interdisciplinary)	December 1-21, 2012	UGC Academic College, Bharathiar University	Professors from IITM, Chennai and IISc, Bangalore /25
Third National Conference on Multifunctional Nanomaterials and Nanocomposites	February 25-26, 2013	University	Dr N. Chandrasekar, IITM, Chennai and Dr R. N. Viswanth, IGCAR, Kalpakkam/200
National Symposium on Science of Nano (SciNo 2013)	December 5-6, 2013	University	Prof. G. Mohan rao, IISc, Bangalore / 300
Seminar on Expanding Horizons in Nanoscience	February 28, 2014	University XII Pan	Dr A. Sivathanu Pillai, CEO, BrahMos, New Delhi / 250
Short Term Training Course on Immobilization of Enzymes with Nanomaterials for Industrial Applications	September 8 – October 1, 2014	DBT, Government of India	DR R. Rajkumar, Managing Director, Cellzyme Biotech, Mettupalayam / 25
Two Days Training Course on Nanolab	December 4-5, 2014	Bharathiar University and JSS University	Dr Dhanabal, Principal, JSS Pharmacy College, Ooty / 50

### 31. Code of ethics for research followed by the department

**Sharing Scientific Knowledge** – Research Publication, Authorship and Collaborative Research, Scientific Misconduct (Fabrication, Falsification and Plagiarism).

**Laboratory Practice** – Practices of Image and data manipulation, data ownership and intellectual property guidelines, conflict of interest and commitment, industry sponsored research, sharing the data in the thesis.

### 32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
PG					
2014 - 15	31	11	8	100	100
M. Phil.					
2014 - 15	12	4	7	100	100
Ph. D.					
2014 - 15	11	3	3	--	--

### 33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
P G.	41.17	52.94	4.7	1.18
M. Phil.	70.83	29.17	--	--
Ph. D.	56.00	44.00	--	--

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise : SET - 1

### 35. Student progression

Student	Percentage against enrolled
PG to M.Phil.	20
PG to Ph.D.	70
Ph.D. to Post-Doctoral	90
Employed	
• Campus selection	--
• Other than campus recruitment	20
Entrepreneurs	--

### 36. Diversity of staff

Percentage of faculty who are graduates	
From the same University	43
From other Universities within the State	57
From Universities from other States	---
From Universities outside the Country	---

### 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

**38. Present details of departmental infrastructural facilities with regard to**

Infrastructural Facilities	Information
Library	300 Sq ft, 500 Books, Online Journal Access
Internet facilities for staff and students	40 nodes and Wi-Fi Connectivity
Total number of class rooms	3
Class rooms with ICT facility	2 (With Videoconferencing)
Students' laboratories	3
Research laboratories	6

**39. List of doctoral, post-doctoral students and Research Associates****(a) from the University**

Name of the Scholar	Year	Name of the Scholar	Year	Name of the Scholar	Year
D. Nithya Devi	2011	R. Sri Ram Prabha	2012	M. Divagar	2014
G. Bharath	2011	K. P. Remya	2012	D. Ranjith Kumar	2014
S. Viji	2011	D. Navadeepthy	2013	G. Jeevitha	2014
S. Priyatharshni	2012	M. Sekar	2013	V. Nivetha	2014
S. Poongodi	2012				

**(b) from other institutions/Universities**

Name of the Scholar	Year	Name of the Scholar	Year
M. Manoj	2010	K. Prem Ananth	2013
S. Sonia	2010	P. Durgamalathi	2013
N. Dhanpal Jayram	2011	R. Abinaya	2014
Likha Chandran	2013	P. Sivasakthi	2014
D. Murugesan	2013		

**(c) Post Doctoral fellow**

Name of the Scholar	Year
Dr Ambily Mathew	2013

**40. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others**

Indira Gandhi Single Girl Child Scholarship by UGC	: 4
State Government BC/MBC Scholarship	: 5/year
Sate Government SC/ST Scholarship	: 4/year

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil****42. Does the department obtain feedback from****a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes. curriculum has been revised 4 times within 7 years of time. More effective pedagogical and evaluation methodologies are evolved to improve the teaching-learning process including problem solving, batch learning, group and independent assignments, and micro-seminars.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes. Curriculum has been revised to make better opportunity to the students and teaching methods and method examinations were changed based on the feedback form for the betterment of the students.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes. The curriculum of the department is usually sent to the alumni and gets their suggestions to improve the course.

**43. List the distinguished alumni of the department (maximum 10)**

- Dr N. Sabari Arul, Research Professor, Dongguk University, South Korea
- Dr P. Manivel, Research Fellow, NTU, Singapore
- Dr S. Thirumalairajan, University of São Paulo, Brazil
- Mr M. VEDI Kuyil Azhagan, National Chemical Laboratory, Pune.
- Ms Carmal Mary Esther, Indian Space Research Organization, Bangalore
- Dr V. Umamaheswary, University of Saarland, Germany
- Ms Lakshmy Raveendran, Rhur University of Bochum, Germany
- Ms K. Karthiga, Leibnitz University of Hannover, Germany
- Dr E. Angelin, University of Greifswald, Germany
- Mr D. Vasanthan, Chungnam National University, South Korea
- Ms T. Kamatchi, KAIST, South Korea

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

National Seminars / Symposia / Workshops were periodically conducted to enrich the theoretical and experimental knowledge.

Weekly student seminars for M. Sc. students and Scholars separately.

M. Sc. students are allowed to do their internship in any National labs.

Special Lectures by Experts. Few of them are as follows:

- Dr R. N. Viswanath, IGCAR, Kalpakkam, December 8, 2011.
- Dr M. Manivel Raja, DMRL, DRDO, Hyderabad, December 14, 2011.
- Prof. Per Morgen, University of Southern Denmark, December 16, 2011.
- Dr R. Rajkumar, CSEM S.A., Switzerland, December 19, 2012.
- Dr V. Ganesan, Consortium for Scientific Research, Indore, Dec. 19, 2011.
- Dr J. Kumar, Professor, Anna University, Chennai 25, July 10, 2013.
- Dr Swadeshmukul Chandra, University of Central Florida, August 2, 2013.
- Dr A. Sivathanu Pillai, BrahMos, New Delhi, September 28, 2013.
- Dr K. Porsezhian, Pondicherry University September 28, 2013.
- Prof. Dr G. Mohan Rao, IISc, Bangalore, October 1, 2013.
- Dr T. M. Sridhar, Rajalakshmi Engg. College, Chennai, February 2, 2014.
- Dr K. Premkumar, Bharathidasan University, Tiruchy, September 12, 2014.
- Dr Sugi, Australian Institute of Nanotechnology, Australia, October 9, 2014
- Dr Joji Sonoda, BEL Private Limited, Japan, October 9, 2014.

**45. List the teaching methods adopted by the faculty for different programmes.**

Chalk and Board Method; Lecture Cum demonstration using LCD & OHPs; Micro Teaching; Submission of Subject Assignment periodically; Internet Based Online Courses; Project Method; Computer Based Simulation; ICT; Periodic Seminar; Conducting Continuous Internal Assessment Test

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Oral test has been conducted regularly and evaluated. Based on the performance of the student in the test, the student's capabilities are monitored.

**47. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

**Dr D. Mangalaraj** - Space Festival (July 9 – 14, 2012) - In collaboration with NASA, ISRO, DRDO – To showcase the achievements of mankind in space science, to expose the school and college students to raise their level of awareness on space science and

technology, to promote research outlook among rural students and to bring the space scientists to a broader platform for face – to – face interaction to inspire the young researchers.

**Dr N. Ponpandian** – Preparations for Competitive Examinations

**Dr C. Viswanathan** - Quiz for the Students of University Departments.

**Department Faculties** – Coaching Classes for GATE/NET examination for the Students from various University Departments and Affiliated Colleges.

**48. Give details of “beyond syllabus and scholarly activities” of the department.**

- Weekends classes for GATE and CSIR-NET examinations.
- Weekly Departmental Seminar for M. Sc. and M. Phil. students.
- Weekly research seminar for research scholars.
- Motivated to attend conferences/ seminars/ workshops/ symposia *etc.*
- Experts lectures from National Research Labs.
- Study tour to different research laboratories.
- Motivated to write National Level Exams and the experts to provide an idea for the preparation of these exams.

**49. State whether the programme / department is accredited / graded by other agencies?**

**If yes, give details:** Not Applicable

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Our Department has a Research Outreach Centre call it as Bharathiar Nano-Innovation Centre. This centre will provide the research consultancy to the researchers working in this area as well as to provide nanomaterials with minimum profit basis.
- The department may join with few companies to make pilot plants for removing heavy metals from water as well as degrading the industrial effluents (dyes) from the garment industries based on the available research expertise in the faculties of our department.
- Also, plan to make an array of sensors for the selective and sensitive detection of toxic gases come out from the food products like meat, milk *etc.*
- A national Level Seminar has been conducted every year to enrich the knowledge in the recent development in Nanoscience and Technology.

**51. Detail five major Strengths, Weaknesses, Opportunities and Threats (SWOC) of the department.**

**Strength**

- Multidisciplinary, dynamic and accomplished researchers.
- Strong tradition of publication in the best quality journals of the field.
- High quality syllabus and teaching, students highly appreciated in research institutions in India and abroad.
- Some high and good quality infrastructures.
- Handling a good number of research projects funded by leading organizations.
- Versatile international collaboration.

**Weakness**

- Decreasing researcher and doctoral student mobility and work ethic.
- Lack of faculties in the multidisciplinary research areas.
- Problems in student recruitment.
- Poor communication skills of students

**Opportunities**

- Increased profiling in recruitment and education; focus on quality not quantity.
- Tapping into the field's potential in solving the grand challenges facing humankind (energy, the environmental and natural resources).
- Good operational environment and infrastructures, which enable long-range development.
- To create awareness to the interdisciplinary teaching and research among the students and researchers.
- Focusing research with researcher –driven approaches and by utilizing existing strengths.

**Challenges**

- Difficult to maintain and upgrade infrastructure due to lack of funding.
- Increased difficulties in recruiting in quality students and researchers.
- Increased difficulties in the employment of doctoral degree holders.
- Level of research funding.
- Failure to attract industries to involve in the R & D.

**52. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- To strengthen the infrastructure facilities through the DST-FIST and UGC-SAP Programmes.
- To strengthen the activities of our Bharathiar Nano-Innovation Centre and have close interaction with some R & D companies and having collaboration with them through sponsored research projects.
- Motivate the students for National Level Examinations like GATE, CSIR, JEST.
- Indo-Taiwan Programme of Cooperation in Science and Technology – National Central University, Taoyuan, Taiwan.

### **Department of Physics**

1. **Name of the Department :** Physics
2. **Year of establishment :** 1974 (Madras University), 1982 (Bharathiar University)
3. **Department comes under:** School of Physical Sciences and Faculty in Science
4. **Names of programmes offered :** M.Sc., M.Phil., Ph.D., (Physics)
5. **Courses in collaboration with other Departments, Universities, Industries, Foreign Institutions, etc:** M.Sc., Medical Physics ( GKNMH)
6. **Details of programmes discontinued, if any, with reasons**  
P.G. Diploma in Nanoscience and Technology –Course transfer to Department of Nanotechnology from 2014 onwards
7. **Examination System :** Choice Based Credit System (Semester)
8. **Participation of the department in the courses offered by other departments**  
: Supportive Program
9. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1	1	2
Associate Professor	2	2	1+1 *
Assistant Professor	7	6	6+1 *

\* Under UGC FRP Scheme

10. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. / M. Phil. guided		
			Teach	Res.	Ph.D.		M.Phil.
					Awarded	Ongoing	
Dr.P.Kolandaivel, Professor and Head	M.Sc., Ph.D	Molecular Quantum Mechanics	31	35	2	6	7
Dr.K.Srinivasan, Professor	M.Sc., Ph.D	Crystal Growth	18	23	1	7	15
Dr. L. Senthilkumar, Associate Professor	M.Sc. Ph.D.	Molecular Quantum Mechanics	12	14	-	6	13
Dr.K. Ramachandran, Associate Professor (UGC)	M.Sc. M.Phil, Ph.D.	Plasma Material Processing & Simulation	16	20	1	2	2
Dr.M.Balasubramaniam Assistant Professor	M.Sc., PGDCA, Ph.D.	Nuclear Physics	9	17	1	3	10
Dr.D.Nataraj, Assistant Professor	M.Sc., Ph.D.	Physics of Nanomaterials and synthesis	9	18	4	6	15
Dr.K.Senthilkumar, Assistant Professor	M.Sc., M.Phil., Ph.D.	Molecular Quantum Mechanics	6	13	1	7	11
Dr. R. Kalai Selvan, Assistant Professor	M.Sc., M.Phil, Ph.D	Solid state Ionics	5	14	1	8	14

Dr. G. Shanmugavelayutham, Assistant Professor	M.Sc., Ph.D	Plasma Physics	5	16	-	5	7
Dr. R. Shankar, Assistant Professor	M.Sc., Ph.D.	Molecular Quantum Mechanics	5	9	-	3	1
Dr.Yekkoni L. Jeyachandran, Assistant Professor	M.Sc., Ph.D.	Surface and Biointerface	-	7	-	-	-

**11. List of senior Visiting Fellows, temporary faculty, emeritus professors:** Nil

**12. Percentage of classes taken by temporary faculty – programme-wise information:** Nil

**13. Programme-wise Student Teacher Ratio:** M.Sc. - 1:2

**14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date :**

Administrative Staff - 1 No

Academic Support staff (technical) - Nil

**15. Research thrust areas as recognized by major funding agencies:**

Materials Research, Theoretical & Computational Research

**16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Sl. No	Name of the Principle Investigator	Funding Agency	Title of the Project	Amount (Lakhs)	Duration		Status
					From	To	Completed /Ongoing
1	Dr.K.Srinivasan	CSIR	Investigation on the Crystallization, Polym-orphism, Habit Modification, Solution Mediated Phase Transformation and Optical Properties of the Amino Acid: L- Glutamic Acid	Rs.17.43	2007	2011	Completed
2	Dr.K.Srinivasan	DST	Investigation on the Crystallization, Polymorphism, Habit Modification, Solution Mediated Phase Transformation and Optical Properties of the Amino Acid: Glycine	Rs.11.28	2008	2012	Completed
3	Dr.M.Balasubramanian	DAE-BRNS	Studies on nuclear fission reaction process with orientation to nuclear data needs of India's advanced reactor program	Rs.12.11	2009	2013	Completed



4	Dr.M.Balasubramanian	UGC-MRP	A study of heavy ion collisions in the heavy and superheavy mass region and the related phenomena	Rs.6.09	2010	2013	Completed
5	Dr.D.Nataraj	DRDO BU CLS	Nanostructured thin film based gas sensor for food quality assessment	Rs.20.00	2005	2010	Completed
6	Dr.D.Nataraj	DRDO BU CLS	Fabrication of quantum dot based visible and IR photon detectors	Rs.22.00	2010	2012	Completed
7	Dr.D.Nataraj	DST	Synthesis and Photoluminescence characterization of Natural Biomolecule Beta-Carotene conjugated ZnS:Mn	Rs.20.40	2009	2013	Completed
8	Dr.K.Senthilkumar	DRDO	Theoretical studies on charge transport properties in organic field effect transistor	Rs.7.40	2009	2012	Completed
9	Dr.K.Senthilkumar	DST-SERB	Effect of structural fluctuations and environment on charge transport in $\pi$ -stacked and conjugated organic molecules	Rs.17.87	2009	2012	Completed
10	Dr.R.Kalai Selvan	DAE-BRNS	Development of cost effective electrode materials from <i>Eichhornia Crassipes</i> for electrochemical supercapacitors	Rs.18.86	2010	2013	Completed
11	Dr. P. Kolandaivel	DST (Cognitive Science Initiative -CSI)	Misfolding Process of Beta Amyloid Protein	Rs.15.6	2011	2015	Ongoing
12	Dr. P. Kolandaivel	DRDO	Structure, stability and molecular dynamics study of Bio-nanotubes	Rs.30.00	2014	2017	Ongoing
13	Dr.K.Srinivasan	UGC	Investigation on the ultrasound assisted control of nucleation, separation, shape, size and single crystalline growth of alpha lactose monohydrate ( $\alpha$ -LM) polymorphs for food and pharmaceutical applications	Rs.11.99	2013	2016	Ongoing

14	Dr.K.Srinivasan	DRDO	Development of deuterated and L-Alanine doped TGS Single Crystals for Uncooled Pyroelectric Infrared Detector Applications	Rs.25.20	2014	2014	Ongoing
15	Dr.L.Senthilkumar	DST-SERB	Theoretical Investigations on the structural and Functional properties of pure and metallated Protein – DNA complexes Protein – DNA complexes	Rs.21.14	2012	2015	Ongoing
16	Dr.R.T.Rajendrakumar	DST-Nanomis sion	Fabrication of ZnO nanorods/polymer hetero-junction for solar cell application	Rs.29.87	2011	2014	Ongoing
17	Dr.R.T.Rajendrakumar	DST – Indo-Ireland Bilateral Project	Investigation of interfacial charge transfer aspects of hybrid polymer/ZnO nanorod arrays as an initial step towards judging their potential for nano-light emitting devices (NANOLED)	Rs.3.07	2011	2013	Ongoing
18	Dr.R.T.Rajendrakumar	UGC-IUAC	Influence of Swift Heavy Ion Irradiation on the structural and Magnetic Properties of Galfenol ( $\text{Fe}_{1-x}\text{Ga}_x$ ) Thin Films	Rs.6.03	2012	2015	Ongoing
19	Dr.R.T.Rajendrakumar	DAE-BRNS, Young Scientist Award	Wetting control and electrowetting properties of superhydrophobic Si nanostructures	Rs.14.35	2012	2015	Ongoing
20	Dr.R.T.Rajendrakumar	DST-SERB Fast track	Synthesis and characterization of reduced 236rapheme oxide for gas sensing applications	Rs.28.0	2012	2015	Ongoing
21	Dr.K.Senthilkumar	UGC-MRP	Quantum mechanical and molecular mechanical studies on the reactions of pollutants in atmosphere and in water	Rs.13.48	2012	2015	Ongoing
22	Dr.R.Kalai Selvan	DST-SERB	Development of carbon coated mesoporous ferrite nanostructures	Rs.22.25	2012	2015	Ongoing

			embedded conducting polymers as electrodes in electrochemical supercapacitors				
23	Dr.R.Kalai Selvan	UGC-MRP	Shape and size controlled synthesis of $\text{Co}_2\text{AO}_4@\text{C}$ (A = Sn, Ti, V and Si) nanocomposites as an anodes for Li-ion batteries	Rs.6.89	2012	2015	Ongoing
24	Dr. G. Shanmuga velayutham	DST-SERB	Measurement of electrothermal efficiency, deposition efficiency of the plasma spray torch and development of a nanostructured lanthanum zirconate thermal barrier coatings	Rs.21.00	2013	2016	Ongoing
25	Dr. R.Shankar	DST-SERB	Quantum Chemical and molecular Dynamics Studies on DNA with intercalators, partial intercalators and Groove binding molecules	Rs.16.37	2012	2015	Ongoing
26	Dr.D.Nataraj	DRDO BU CLS	Design and fabrication of metal oxide hybrid nanostructure based prototype gas sensor device to detect the trace amount of CO and $\text{CO}_2$	Rs.24.28	2014	2017	Ongoing
27	Dr.D.Nataraj	DST SERI	Development of hot electron harvesting quantum dot based solar cell device for efficient energy conversion application	Rs.40.00	2015	2018	Ongoing

**17. Inter-institutional collaborative projects and associated grants received : Nil**

**18. Departmental projects funded by : DST-FIST, UGC-SAP, PG Diploma inv.**

Total grants received. : 2.70 Crores

Tamil Nadu State Govt. : 2.50 Crores

**19. Research facility / centre with**

- State recognition: "Centre of Excellence" for PG research programs by Govt. of Tamil Nadu.
- National recognition: Centre with Potential for Excellence in Particular Area (CPEPA) - under consideration
- International recognition : Nil

## 20. Special research laboratories sponsored by / various functioning agencies

X-Ray Diffraction (XRD) Laboratory – DST- FIST Support  
 Fourier Transform Infra red Spectrometer – DST- FIST Support  
 Differential Scanning Calorimetry – UGC-SAP Support  
 High Performance computing facility -DST- FIST Support  
 Single Crystal X-ray Diffraction Laboratory– DST- PURSE support

## 21. Publications:

- \* Number of papers published in peer reviewed journals - 533
- \* Monographs - Nil
- \* Chapters in Books - 6
- \* Chapters in Edited Books - Nil
- \* Books with ISBN with details of publishers - Nil
- \* Number listed in International Database - Web of Science, Scopus (12)
- \* Citation Index – range / average - 128-1200(Total 5364)
- \* SNIP - Nil
- \* SJR - Nil
- \* Impact Factor – range / average - 1.2-5.6
- \* h-index - 108

## 22. Details of patents and income generated : Nil

## 23. Areas of consultancy and income generated :

Dr. K. Ramachandran, Plasma Physics laboratory  
 (1)M/S Ion Arc Technologies Ltd, Coimbatore  
 (2) M/S Vedicore Pvt. Ltd, Australia  
 (3) M/s Jyoti Om chemical Researc centre Pvt.Ltd, Ankleshwas, Gujarat  
 For the development of plasma arc technologies for materials process and waste treatment.

## 24. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)

Sl.No	Name of the Faculty	Year	laboratories/institutions/industries	Purpose
1	Dr. P. Kolandaivel	2012	Fulbright- Nehru Administrator Award	To know higher education system in USA
		2012	JSPS Invitation fellowship Japan, Bio informatics unit, Department of Biotechnology, The university of Tokyo, Hongo campus, TOKYO	Collaborative research
2	Dr. L. Senthilkumar	2013	School of Chemical Engineering, University of Queensland	Collaborative research
3	Dr. D. Nataraj	2011-2012	Pohang University of Science and Technology (POSTECH), Pohang, South Korea.	Advanced study & collaborative study
4	Dr.R. Kalai Selvan	2012	As an INSA Visiting Fellow to IIT Madras, Chennai.	To learn new technique
5	Dr. G. Shanmuga velayutham	2012	JWRI, Osaka University, Osaka, Japan	Collaborative research

**25. Faculty serving in a) National committees b) International committees c) Editorial Boards**

Sl.No	Name of the Faculty	National / International Committees member
1	Dr. P. Koldaivel	Mentor : DST-INSPIRE Member: Faculty requirement - colleges and Universities Member: BOS in various universities Member in SAP advisory committee, M S University, Alagappa University
2	Dr. K. Srinivasan	Member: Academic Council in various Autonomous colleges. Member: BOS in various colleges Journal of Crystal Research and Technology- Editorial Advisory Board Member
3	Dr. L. Senthil kumar	Member Academic Body: Member, Board of studies (UG) Physics, KSR College of Arts and Science, Tiruchengode, Tamil Nadu, India
4	Dr. R. Kalaiselvan	Guest Editor – Advanced Carbon (ASP Journal)
5	Dr. G.Shanmugavelayutham	International executive committee in Institute of Applied Plasma Science ( IAPS), JWRI, Japan Member: Plasma Science Society of India (PSSI) and Society of Information Display(SID)-Japan
6	Dr. K. Ramachandran	Project review committee member for DST and BRNS

**26. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs).**Dr.M.Balasubramanian attended

- (i) UGC-Refresher Course in Physics, 09.11.2010-29.11.2010, ASC, Bharatiar University, Coimbatore

Dr.D.Nataraj attended

- (i) UGC-Refresher Course in Physics, 09.11.2010-29.11.2010, ASC, Bharatiar University, Coimbatore

Dr.K.Senthilkumar attended

- (i) UGC-Refresher Course in Physics, 09.06.2011-29.06.2011, ASC, Bharatiar University, Coimbatore  
(ii) UGC-Refresher Course in Physics, 11.09.2013- 01.10.2013, ASC, Bharatiar University, Coimbatore

Dr.R.Kalai Selvan attended

- (i) UGC-85th Orientation Programme, 06.10.2010 -02.11.2010, ASC, Bharatiar University, Coimbatore  
(ii) UGC-Refresher Course in Nanoscience (Interdisciplinary), 01.12.2012-21.12.2012, ASC, Bharatiar University, Coimbatore

Dr.G. Shanmugavelayutham attended

- (i) Faculty Development Programme, 24.05.2011- 26.05.2011, Bangalore  
(ii) Workshop On Quality Management, 19.09.2011-21.09. 2011, ASC, Bharatiar University, Coimbatore  
(iii) UGC - 93rd Orientation programme, 08.05.2012-04.06. 2012, ASC, Bharatiar University, Coimbatore  
(iv) Workshop on Positive Attitude and Constructive Thinking, 30.07.2012-01.08.2012, ASC, Bharatiar Univ., Coimbatore

Dr.R. Shankar attended

- (i) UGC – 95th Orientation programme, ASC, Bharatiar Univ., Coimbatore  
(ii) Workshop on Positive Attitude and Constructive Thinking, 30.07.2012-01.08.2012, ASC, Bharatiar Univ., Coimbatore  
(iii) Faculty Development Programme, 24.05.2011- 26.05.2011, Bangalore

## 27. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : 100%
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

## 28. Awards / recognitions received at the national and international level by (Faculty, Doctoral fellows & Students)

- Faculty:

Name of award	Faculty Name	Year	Agency
Indo-Australia Early Career Visiting Fellowship by Indian National Science Academy (INSA)	Dr. L. Senthilkumar	July 2013- June 2014	The University of Queensland, Brisbane, Australia

- Doctoral Students

Name of award	Scholars Name	Year	University/Agency
Internship Program	B. Senthil Kumar	2013	Murdoch university, Australia
Internship Program	S.T. Senthil Kumar	2013	Nanyang Technical University, University
Internship Program	S. Rajavel	2013	ASTRAL, Lappeenranta University of Technology, Ireland.
Internship Program	K.S. Ranjith	2012	Dublin City university, Ireland
INSPIRE Fellow	V.D. Nithya	2010-2015	Department of Science and Technology
INSPIRE Fellow	M.Kiruthika	2013-2017	Department of Science and Technology
INSPIRE Fellow	L. Sandhya	2011-2013	Department of Science and Technology
Senior Research Fellowship	A.Shanmugavani	2013-2015	Council for Scientific and Industrial Research
Senior Research Fellowship	S. Rajavel	2013-2015	Council for Scientific and Industrial Research
Senior Research Fellowship	S. Saranya	2012-2014	Council for Scientific and Industrial Research
UGC RGNF fellowship	A.Suganya	2012-2017	University Grant Commission
UGC- BSR Fellowship	G. Bharathi	2013-2017	University Grant Commission
UGC- BSR Fellowship	S.Yuvaraj	2013-2017	University Grant Commission
UGC- BSR Fellowship	C.Karthikraj	2013-2017	University Grant Commission
UGC- BSR Fellowship	S.Gopalakrishnan	2013-2017	University Grant Commission
UGC- BSR Fellowship	M.Sowmiya	2013-2017	University Grant Commission
DST-PURSE Fellowship	R.Kalaivanan	2012-2015	Department of Science and Technology
DST-PURSE Fellowship	K.Renugadevi	2012-2015	Department of Science and Technology
DST-PURSE Fellowship	P.Ganesan	2012-2015	Department of Science and Technology
Internship Program	A. Mano Priya	2014	University of Rennes1, France
Internship Program	M. Lalitha	2014	University of Queensland, Australia
Senior Research Fellowship	K.Renugadevi	2014-2016	Council for Scientific and Industrial Research

Senior Research Fellowship	C. Sudha	2014-2016	Council for Scientific and Industrial Research
UGC- BSR Fellowship	K. Praveen	2014-2018	University Grant Commission
UGC- BSR Fellowship	R. Saravanakumar	2014-2018	University Grant Commission
UGC- BSR Fellowship	A. Mano Priya	2014-2018	University Grant Commission
UGC- BSR Fellowship	C. Kavitha	2014-2018	University Grant Commission
UGC- BSR Fellowship	V. Saranya	2014-2018	University Grant Commission

• Students

Name of award	Student Name	Year	Agency	Purpose
Summer Research Fellowship	B. Sathyamoorthy	2010-2011	IISc, Bangalore	Research Project
Summer Research Fellowship	C. Klaiarasi	2010-2011	Chandra Bose Institute, Kolkata	Research Project
Summer Research Fellowship	N. Poongodi	2010-2011	Chandra Bose Institute, Kolkata	Research Project
Summer Research Fellowship	Manikandan	2011-2012	IISc, Bangalore	Research Project
Summer Research Fellowship	M.Preethi	2011-2012	IISc, Bangalore	Research Project
Summer Research Fellowship	M. Shankar	2012-2013	Anna university, Chennai	Research Project
Summer Research Fellowship	G. Janani	2012-2013	Anna university, Chennai	Research Project

**29. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants.**

Sl. No	Name of the Faculty	Name of Event	Source of funding	Participants details
1	Dr. P. Kolandaivel	Workshop on Theoretical Physics – 19 <sup>th</sup> to 22 <sup>nd</sup> December 2011	National	68 Participants from in and around Tamil Nadu
2	Dr. P. Kolandaivel	Workshop on Theoretical Physics – 17 <sup>th</sup> to 20 <sup>th</sup> December 2012	National	71 Participants from in and around Tamil Nadu
3	Dr. K. Srinivasan	National Seminar on Advanced Materials: Processing and Applications (NSAMPA-2012), March 29-30, 2012	National	200 Participants
4	Dr. K. Srinivasan	UGC-Research Methodology Training Programme in Physics for M.Phil/Ph.D Scholars, 16 <sup>th</sup> -20 <sup>th</sup> Dec. 2013	National	44 Participants
5	Dr. L. Senthilkumar	Refresher course in Physics, UGC-Academic staff college Bharathiar University, 9 <sup>th</sup> -29 <sup>th</sup> June 2011	National	35 Participants
6	Dr. L. Senthilkumar	Workshop on Theoretical Physics, Bharathiar University, 19 <sup>th</sup> -22 <sup>nd</sup> December 2011	National	68 Participants from in and around Tamil Nadu
7	Dr. L. Senthilkumar	Workshop on Theoretical Physics – 17 <sup>th</sup> to 20 <sup>th</sup> December 2012	National	71 Participants from in and around Tamil Nadu
8	Dr.M.Balasubramaniam	Workshop on Theoretical Physics, Bharathiar University, 19 <sup>th</sup> -22 <sup>nd</sup> December 2011	National	68 Participants from in and around Tamil Nadu

9	Dr.M.Balasubramaniam	Workshop on Theoretical Physics – 17 <sup>th</sup> to 20 <sup>th</sup> December 2012	National	71 Participants from in and around Tamil Nadu
10	Dr.M.Balasubramaniam	Workshop on theoretical physics – 9 <sup>th</sup> to 12 <sup>th</sup> December 2013	National	94 Participants from in and around Tamil Nadu
11	Dr. D. Nataraj	National Conference on Advanced Functional Materials (NCAFM) during 30 <sup>th</sup> – 31 <sup>st</sup> January 2014	National	130 Participants from in and around Tamil Nadu
12	Dr. K.Senthilkumar	Workshop on Theoretical Physics, Bharathiar University, 19 <sup>th</sup> -22 <sup>nd</sup> December 2011	National	68 Participants from in and around Tamil Nadu
13	Dr. K.Senthilkumar	Workshop on Theoretical Physics – 17 <sup>th</sup> to 20 <sup>th</sup> December 2012	National	71 Participants from in and around Tamil Nadu
14	Dr. K.Senthilkumar	Workshop on theoretical physics – 9 <sup>th</sup> to 12 <sup>th</sup> December 2013	National	94 Participants from in and around Tamil Nadu
15	Dr. G. Shanmuga velayutham	National level Workshop on Atmospheric plasma Processing (WAPP 2012), October 31, 2012– November 3, 2012	National	53 Participants from in and around Tamil Nadu

### 30. Code of ethics for research followed by the departments

- Organizing regular lecture series with eminent scientist from various University / Institutions
- Allow to work in various national research laboratories as a collaborative work

### 31. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.Sc. Physics	2010	260	06	14	100	93
	2011	194	07	13	100	100
	2012	312	08	13	100	100
	2013	207	07	13		
	2014	270	05	19		
M.Phil. Physics	2010	82	09	12	100	100
	2011	72	04	21	100	95
	2012	55	06	16	80	94
	2013	20	01	08		
	2014	37	06	19		
Ph.D. Physics	2010	17	07	05		
	2011	40	06	12		
	2012	27	07	02		
	2013	27	05	09		
	2014	22	04	06		
P.G. Dipl. in Nanoscience	2010	13	09	04	67	75
	2011	09	06	03	33	100
	2012	05	02	03	100	100

### 32. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
M.Sc	70	20	10	-
M.Phil	60	30	10	-
Ph.D	80	10	10	-



**33. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Mr. K.R.Vijayaraghavan GATE, NET, SLET

Ms. M. Sreevidhya GATE, NET

**34. Student progression**

Student	Percentage against enrolled
UG to PG	Not applicable
PG to M.Phil.,	48.65%
PG to Ph.D	18.18%
Ph.D. to Post-Doctoral	--
Employed	Nil
<ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment</li> </ul>	
Entrepreneurs	Nil

**35. Diversity of staff :**

Percentage of faculty who are graduates	
From the same University	70
From other Universities within the State	30
From Universities from other States	Nil
From Universities outside the Country	Nil

**36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**

**37. Present details of departmental infrastructural facilities with regard to**

- Library : 675 Books
- Internet facilities for staff and students : 100%, Separate computer and Internet Lab provided for the students
- Total number of class rooms : 2 Nos
- Class rooms with ICT facility : Nil
- Students' laboratories : 4 Nos
- Research laboratories : 10 Labs

**38. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution / University (doctoral) :**

Sl. No	Name	Sl.No	Name
1	Radha G.	31	Vinodhini K.
2	Rajavel K.	32	Ponnusamy S.
3	Ranjith K.S.	33	Sowmiya M.
4	Navamani K.	34	Koushika E.M.
5	Rajkumar K.	35	Radhika R.
6	Ganesan P	36	Pitchumani Violet Mary C.
7	Karthik Raj C	37	Surendran S.
8	Parimaladevi. P	38	Anithaa V.S.
9	Sritharan. K	39	Kathiresan R.
10	Umadevi P	40	Saravanakumar R.
11	Boopathi S.	41	Manigandan S.
12	Minitha C.R.	42	Kiruthika M.
13	Nivedita L. Raveendran	43	Lintu G Laly
14	Shanmugavani A.	44	Gnanaprakasam M.
15	Vijayapandiyan B.	45	Ramya S.
16	Prem Kumar S.	46	Saranya V.

17	Bharathi G.	47	Sreevidhya M.
18	Gopalakrishnan S.	48	Agnes Lincy A.
19	Keerthana S.P.	49	Aazaad B.
20	Lalitha M.	50	Krishnan S.
21	Revathi C.	51	Vinodha M.
22	Sangeetha S.		<b>PART TIME SCHOLARS</b>
23	Suganya A.	52	Vennila A.B.
24	Yuvaraj S.	53	Umadevi V.
25	Kalaivanan R.	54	Priyadarshini N.
26	Kannan S.	55	Jayasree K.V.
27	Mano Priya A.	56	Bhuvaneswari R.
28	Praveen K.	57	Shanmugadevi C.G.
29	Sivakumar S.	58	Vijaya Raghavan K.R.
30	Vijaya Sankar K.	59	Sivakumar P.

b) from other institutions / Universities : Nil

c) post-doctoral students and Research Associates : Nil

**39. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others : State Government**

S. No	Name	Class	No of fellowship
1	BC	M.Sc	86
2	MBC	M.Sc	32
3	SC/ST	M.Sc	34

**40. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. :No**

**41. Does the department obtain feedback from**

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?:Consider the feedback and implementing the new system
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :Consider the feedback and implementing the new system
- alumni and employers on the programmes offered and how does the department utilize the feedback? : Nil

**42. List the distinguished alumni of the department (maximum 10)**

- Dr.P. Saravanan, Scientist, Defence Metallurgical Research Laboratory, Defence Research and Development Organization (DRDO), Ministry of Defence, Kanchanbagh PO, Hyderabad-500 058
- Dr.P. Balasubramaniam, Professor, Department of Mathematics, The Gandhigram Rural Institute – Deemed University, Gandhigram – 624 302
- Dr.R. Karvembu, Head of the Department, Department of Chemistry, National Institute of Technology, Tanjore Main Road, National Highway 67, Tiruchirappalli – 620 015
- Mr. S. Sivarasu, Deputy Commissioner, Coimbatore City Municipal Corporation, Coimbatore – 641 018
- Dr. S. Balachandran, Director, Cyclone Warning Research Centre, Regional Meteorological Centre, 50 (New 6) College Road, Chennai 600 006.
- Ms. Roopa Prabhakar, Managing Director, Amulya Info Tech, Marudhamalai Road, Bharathiar University (Po), Coimbatore – 641 046

**43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Conducting weekly seminar and discuss the recent trends of science and technology
- Arranged frequent special lectures from eminent Professors/Scientists from various leading institutions
- Every year conducting theoretical workshop to enrich and facilitate the theoretical knowledge.
- UGC-SLET and NET remedial coaching class are conducted for the P.G. students
- UGC sponsored Research Methodology courses has been conducted for the M.Phil and Ph.D scholars

**44. List the teaching methods adopted by the faculty for different programmes.**

- ❖ Computer Visual aids
- ❖ Molecular Models
- ❖ Board and Chalk
- ❖ Video Lectures

**45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Based on the students feedback and their outcome in their academic achievements

**46. Highlight the participation of students and faculty in extension activities:** Nil

**47. Give details of “beyond syllabus and scholarly activities” of the department.**  
Conducting weekly seminar and special lectures from eminent Professors / Scientists,  
UGC-NET and CSIR coaching class

**48. State whether the programme / department is accredited / graded by other agencies?**  
If yes, give details : Nil

**49. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Faculty members have published some important research results in the high impact well reputed international journals which will be used in the international scientific community.

**50. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths:**

- ❖ The department was sponsored by DST-FIST, UGC-SAP, and UGC-Innovative course
- ❖ Received the status of “Centre of Excellence” from Tamilnadu Government and sanctioned 2.5 crores for the infrastructure.
- ❖ All the young faculties have been awarded DST-Fast Track young scientist award
- ❖ Average age of the faculties is below 40
- ❖ Each faculty has individual sponsored projects from various funding agencies
- ❖ Equal weight age of theoretical and experimental experts
- ❖ All the doctoral students received offer from foreign universities for Post doctoral research

**Weakness:**

- ✓ Core analytical theoretical scientist is not available
- ✓ Some more faculty members are needed in different area of physics

**Opportunities:**

- Almost all the doctoral students received Post Doctoral Fellowship from various foreign institutions

- During Ph.D the doctoral students are attracted by Exchange Visiting Fellowship

**Challenges:**

- To increase the pass percentage of competitive exams & NET.
- Try to publish Research articles Nature and Science journals
- Try to file Patents
- Development of Solar Energy materials.

**51. Future plans of the department :**

1. To strengthen the research collaboration with foreign universities
2. To increase the percentage of exchange scholars/faculties with leading international institutions
3. To establish new area of Astro physics and protein crystallography.

### **Department of Medical Physics**

1. **Name of the Department :** Medical Physics
2. **Year of establishment:** 2002
3. **Department comes under:** School of Physical Sciences and Faculty in Science
4. **Names of programmes offered :** M.Sc., M.Phil., Ph.D., (Medical Physics)
5. **Courses in collaboration with other Departments, Universities, Industries, Foreign Institutions, etc :** M.Sc., Physics and GKNMH
6. **Details of programmes discontinued, if any, with reasons :** Nil
7. **Examination System:** Semester System under Choice Based Credit System
8. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	--	--	--
Associate Professor	--	--	--
Assistant Professor	--	2	3

9. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. / M. Phil. Guided		
			Teach	Res.	Ph.D.		M.Phil.
					Awarded	Ongoing	
Dr.P.Kolandaivel, Prof. and Head i/c	M.Sc., Ph.D.	Molecular Quantum Mechanics	31	35	2	6	7
Dr.C. S. Sureka, Assistant Professor	M.Sc., Ph.D.	Medical Radiation Physics	07	14	-	5	2
Dr. S. Vijayakumar, Assistant Professor	M.Sc. M.Phil, Ph.D..	Molecular Quantum Mechanics	06	14	-	2	6
Dr..Harikrishna etti, Assistant Professor	M.Sc. M.Phil, Ph.D.		08	12	-	2	4

10. **List of senior Visiting Fellows, temporary faculty, emeritus professors :** Nil
11. **Percentage of classes taken by temporary faculty – programme-wise information :** Nil
12. **Programme-wise Student Teacher Ratio:** M.Sc. - 1:5
13. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date :**

Administrative Staff	-	1 No
Academic Support staff (technical)	-	Nil
14. **Research thrust areas as recognized by major funding agencies**  
Materials Research, Theoretical & Computational Research

**15. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Sl. No	Name of the Principle Investigator	Funding Agency	Title of the Project	Amount (Lakhs)	Duration		Status
					From	To	Completed / Ongoing
1	Dr. C.S. Sureka	BRFST	Fabrication and characterization of hybrid Nano dosimeter to measure neutron field and its evaluation to Radiation biology	Rs. 32.0	2012	2015	Ongoing
2	Dr C.S. Sureka	DST-SERB	In-vivo dosimetric study of Mammography using a realtime luminescence technique	Rs. 27.5	2013	2016	Ongoing
3	Dr. C.S. Sureka	AERB	Survey of effective dose receives by pediatric patients from Digital Ragiography at various hospitals in South India	Rs.17.95	2013	2015	Ongoing
4	Dr.S.Vijayakumar	DST-SERB	Quantum chemical (QM) and quantum mechanics / molecular mechanics (QM/MM) studies of catalytic mechanism and inhibition of cysteine proteases	Rs.19.9	2013	2016	Ongoing
5	Dr.S. Harikrishnaetti	CSIR	Purification Crystalization and Structure Analysis of Ribosome Inactivating Protein	Rs.5.1	2006	2009	Completed

**16. Inter-institutional collaborative projects and associated grants received : Nil**

**17. Departmental projects funded by : Nil.**

Total grants received. : Nil

Tamil Nadu State Govt. : Nil

**18. Research facility / centre with**

- State recognition: Nil
- National recognition: Nil
- International recognition : Nil

**19. Special research laboratories sponsored by / various functioning agencies: Nil**

**20. Publications:**

- \* Number of papers published in peer reviewed journals - 45
- \* Monographs - Nil
- \* Chapters in Books - Nil
- \* Chapters in Edited Books - Nil
- \* Books with ISBN with details of publishers - Nil
- \* Number listed in International Database - Web of Science, Scopus (12)
- \* Citation Index – range / average - 12-50
- \* SNIP - Nil

* SJR	-	Nil
* Impact Factor – range / average	-	1.2-5.6
* h-index	-	-

**21. Details of patents and income generated : Nil****22. Areas of consultancy and income generated: Nil****23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)**

Sl.No	Name of the Faculty	Year	laboratories/institutions/industries	Purpose
1	Dr. C.S.Sureka	2012	International Cancer Technology Transfer Fellowship (ICRETT), by Union for International Cancer Control (UICC), Columbia University Medical Centre, New York, USA, (Mar-Apr 2012).	Collaborative research
		(2012-2018).	ICTP Junior Associateship, International Centre for Theoretical Physics (ICTP), Italy	
		2011	Visiting fellowship, 'Monte Carlo Radiation Transport and associated needs for Medical Applications' organised by International Atomic Energy Agency (IAEA) held at ICTP, Italy.	
		2011	Visiting fellowship, Joint ICTP-IAEA School on Advanced Radiotherapy Techniques with Emphasis on Imaging and Treatment Planning.	
2	Dr.S.Vijayakumar	2012	Texas A&M University Galveston	Collaborative research

**24. Faculty serving in a) National committees b) International committees c) Editorial Boards**

Sl. No	Name of the Faculty	National / International Committees member
1	Dr.C.S. Sureka	Association of Medical Physicists in India (AMPI) Indian Brachytherapy Society (IBS) Affiliated member of AFOMP

**25. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs).**Dr.C.S.Sureka

- (i) Orientation Programme, 06.10.2010 -02.11.2010, ASC, Bharatiar University,
- (ii) Refresher Course in Life science (Interdisciplinary), 01.12.2012-21.12.2012, ASC, Bharatiar University.,

Dr.S. Vijayakumar,

- (v) Faculty Development Programme, 24.05.2011- 26.05.2011, Bangalore
- (vi) Workshop on Quality Management, 19.09.2011-21.09. 2011, ASC, Bharatiar University,
- (vii) Orientation programme, 01.02.2013-28.02. 2013, ASC, Bharatiar University
- (viii) Educational Leadership 28.01.2014-29.01.2014, Bharatiar University
- (ix) Refresher course in Physics 03.12.2014-23.12.2014, ASC, Bharathiar University

**26. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects : 100%
- percentage of students doing projects in collaboration with other universities / industry / institute : 100% (Final Project, Internship)

## 27. Awards / recognitions received at the national and international level by (Faculty, Doctoral fellows & Students)

- Faculty:

Name of award	Faculty Name	Year	Agency
Junior Associateship.	Dr.C.S.Sureka	2012	International Center for Theoretical Physics (ICTP) , Italy
Junior Associateship.	Dr.C.S.Sureka	2015	International Center for Theoretical Physics (ICTP) , Italy

Doctoral Students

## 28. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of participants,

Sl. No	Name of the Faculty	Name of Event	Source of funding	Participants details
1	Dr. C.S.Sureka	RADTECHS 2011	National	200 Participants from in and around Tamil Nadu
2	Dr. C.S.Sureka	RADTECHS 2012	International	250 Participants from india and different countries
3	Dr. C.S.Sureka	2014	National	100 Participants from in and around Tamil Nadu

## 29. Code of ethics for research followed by the departments

- Organizing regular lecture series with eminent scientist from various University/Institutions
- Allow to work in various national research laboratories as a collaborative work

## 30. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.Sc. Medical Physics	2014	78	10	6	100	100
M.Phil. Medical Physics	2014	--	--	--	--	--
Ph.D. Medical Physics	2014	--	--	--	--	--

## 31. Diversity of students

Name of the Programme	% of students from the same University	% of students from other universities within the State	% of students From Universities outside the State	% of students from other countries
M.Sc.	40	40	10	10
M.Phil.	-	-	-	-
Ph.D.	80	10	10	-

## 32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.: Nil

## 33. Student progression

Student	Percentage against enrolled
UG to PG	Not applicable
PG to M.Phil.,	-
PG to Ph.D.	25%
Ph.D. to Post-Doctoral	--
Employed	70%
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	Nil



### 34. Diversity of staff :

Percentage of faculty who are graduates	
From the same University	33
From other Universities within the State	77
From Universities from other States	Nil
From Universities outside the Country	Nil

### 35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

### 36. Present details of departmental infrastructural facilities with regard to

- a) Library : 150 Books
- b) Internet facilities for staff and students : 100%, Separate computer and Internet Lab provided for the students
- c) Total number of class rooms : 2 Nos
- d) Class rooms with ICT facility : Nil
- e) Students' laboratories : 4 Nos
- Research laboratories : 3 Labs

### 37. List of doctoral, post-doctoral students and Research Associates

- e) from the host institution / University:  
Doctoral Students

Sl.No.	Name
1.	Mayakannan K.
2.	Sethamil Selvan C.
3.	Venkat Raman P.
4.	Manikandan A.

- f) from other institutions/Universities : Nil
- post-doctoral students and Research Associates : Nil

### 38. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others: State Government

S. No	Name	Class	No of fellowship
1	BC	M.Sc.	86
2	MBC	M.Sc.	32
3	SC / ST	M.Sc.	34

### 39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.: No

### 40. Does the department obtain feedback from

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Consider the feedback from each and every student for implementing the new system based on the feedback
- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Consider the feedback and implementing the new system
- c) alumni and employers on the programmes offered and how does the department utilize the feedback? : Nil

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Conducting weekly seminar and discuss the recent trends of science and technology
- Arranged frequent special lectures from eminent Professors/Scientists from various leading institutions
- Also arranged special lectures from Medical Physicist from leading hospitals in India

**42. List the teaching methods adopted by the faculty for different programmes.**  
Computer Visual aids, Molecular Models, Board and Chalk, Video Lectures**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Based on the students feedback and their outcome in their academic and industrial achievements

**44. Highlight the participation of students and faculty in extension activities : Nil****45. Give details of “beyond syllabus and scholarly activities” of the department.**

Conducting weekly seminar and special lectures from eminent Professors/Scientists, and it is useful for the student to face the RSO exam.

**46. State whether the programme / department is accredited / graded by other agencies? If yes, give details : Nil****47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Faculty members have published some important research results in reputed journals which will be used in the international scientific community.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****Strengths:**

- ❖ Faculties have been awarded DST-Fast Track young scientist award
- ❖ Course is in collaboration with leading hospital GKNMH in south India
- ❖ Average age of the faculties is below 40
- ❖ Each faculty has individual sponsored projects from various funding agencies
- ❖ All the master student are employed in various hospitals.
- ❖ 100% employment

**Weakness:**

- ✓ Some more faculty members are needed in different area of physics

**Opportunities:**

- During Ph.D. the doctoral students have obtained Exchange Visiting Fellowship

**Challenges:**

- To increase the pass percentage in RSO exam.
- Try to increase the research strength in the department
- Try to file Patents
- Development of Radiation protection lab.

**49. Future plans of the department:**

1. To strengthen the research collaboration with other universities
2. To conduct more training programme for RSO exam
3. To establish new area of synchrotron radiation and non-ionizing radiation facilities.

### **Department of Electronics and Instrumentation**

1. **Name of the Department:** Electronics and Instrumentation
2. **Year of establishment:** USIC-1993 Renamed as Dept. of Electronics and Instrumentation - 2008
3. **Department comes under:** School of Physical Science, Faculty of Science

4. **Names of programmes offered:** PG, M.Phil., Ph.D.,

Programme
PG – M.Sc. Electronics and Instrumentation
M.Phil. Electronics and Instrumentation
Ph.D. Electronics and Instrumentation

5. **Details of programmes discontinued, if any, with reasons :** Nil
6. **Examination system:** CBCS-Semester
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	Nil	Nil	Nil
Associate Professors	1 (2005)	1 (2005) retired on 31.06.2011	Nil
Asst. Professors	2 (2005)	2 (2005)	2

8. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. S. Muruganand, Assistant Professor	Ph.D.	Embedded System, Nano Electronics, MEMS, DSP, Image processing, Wireless Sensor Network and Thin films	Teaching-19yrs Research-16yrs	Ph.D-9 M.Phil-14
Dr. Azha. Periasamy Assistant Professor	Ph.D.	Digital Electronics, VLSI, Bio-Medical Instrumentation, DSP, Molecular Physics	Teaching-20yrs Research-16yrs	M.Phil-14

9. **List of senior Visiting Fellows, temporary faculty, emeritus professors:** Nil
10. **Percentage of classes taken by temporary faculty – programme-wise information**
  - I M.Sc. theory and practical 19.0 Hrs/Week = 53%
  - II M.Sc. theory and practical 19.0 Hrs/Week = 53%
11. **Programme-wise Student Teacher Ratio**
  - Total teachers = 4
  - M.Sc. (26 students) = 7 : 1
  - M.Phil. (6 students) = 3 : 1
  - Ph.D. (8 students) = 8 : 1
12. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date :** Nil

**13. Research thrust areas as recognized by major funding agencies**

Nano Electronics, MEMS, Bio-Medical Instrumentation, Sensor Networking

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Sl. No.	Funding Agency	Name of the Principal Investigator	Title of the Project	Amount (Rs)	Duration	
					From	To
1.	UGC MRP	Dr. S. Muruganand	Design and fabrication of computer aided dip coating and studies of certain polymer films	Rs.1,95,000/-	1.2.11	30.1.13
2.	DST-WOS A	S. R. Vijayalakshmi (Principal Investigator) Dr. S. Muruganand (Mentor)	Real time monitoring of ubiquitous wireless pulse oximeter sensor node for medical care	Rs.8, 50, 000/-	1.11.11	30.11.13

**15. Inter-institutional collaborative projects and associated grants received : Nil**

**16. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil**

**17. Research facility / centre with : Nil**

**18. Special research laboratories sponsored by / various functioning agencies : Nil**

**19. Publications:**

- \* Number of papers published in peer reviewed journals (national / international)  
Paper presented = 10  
Paper Published = 51
- \* Monographs : Nil
- \* Chapters in Books : Nil
- \* Edited Books: 2 Nos. (Conference proceedings)
- \* Books with ISBN with details of publishers : Nil
- \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- \* Citation Index – range / average
- \* SNIP : Nil
- \* SJR : Nil
- \* Impact Factor – range / average
- \* h-index : Nil

**20. Details of patents and income generated: Nil**

**21. Areas of consultancy and income generated: Nil**

**22. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.): Nil**

**23. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify) : Nil**

#### 24. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).

S.No	Faculty	Types of programs	Duration	Place	Date	Purpose
1	Dr. S. Muruganand	Awareness program	One day	Bharathiar University	30.01.13	Participation
2	Dr. S. Muruganand	Seminar	One day	Coimbatore	06.03.13	Participation
3	Dr. S. Muruganand	Workshop	One day	CIT, Coimbatore	21.01.13	Participation
4	Mr. Azha. Periasamy	Awareness program	One day	Bharathiar University	30.01.13	Participation
5	Mr. Azha. Periasamy	Seminar	One day	Coimbatore	06.03.13	Participation
6	Dr. Azha. Periasamy	Refresher course	21 days	Pondicherry University	30.07.14 to 19.08.14	Participation

#### 25. Student projects

- percentage of students who have done in-house projects including inter-departmental projects = 60%
- percentage of students doing projects in collaboration with other universities / industry / institute = 40%

#### 26. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)

- Faculty : Nil
- Doctoral / post doctoral fellows

S.No	Name	Awards/Recognition National / International			
		Name of Award	Year	Agency grantee	Purpose
1.	S. R. Vijayalakshmi	Women scientist	2011-2013	DST-WOS-A	Doctoral
2.	S. R. Vijayalakshmi	Women PDF	2015-2017	UGC	PDF

- Students

SNo	Name	Awards / Recognition National / International			
		Name of Award	Year	Agency	Purpose
1.	S. Sathya	INSPIRE	2014-15	DST	1 <sup>st</sup> Rank holder in Post Graduation

#### 27. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of participants.

- ✓ Two day National Seminar On Recent Trends in Electronics from 10.03.2011 to 11.03.2011, 175 participated.
- ✓ One day National Seminar on Industrial Based PLC and SCADA on 06.01.2012, 250 participated.
- ✓ One day workshop on Image Processing and its Application on 17.09.2012, 130 participated.
- ✓ One day National workshop on ARM Processor and its Application on 13.01.2013, 140 participated.
- ✓ Two day National Conference on “Recent trends in Electronics and Instrumentation” on 20.09.2013 & 21.09.2013, 200 participated.
- ✓ Two day National workshop on “Recent trends in Electronics and Instrumentation” from 28.02.2014 to 01.03.2014, 62 participated.
- ✓ Two day National Training Program on “Recent trends in Solar Photovoltaic Systems” from 28.01.2015 to 29.01.2015, 170 participated

## 28. Code of ethics for research followed by the departments:

- ✓ Promoting the original research by researcher
- ✓ Research problems with innovative outcome
- ✓ Avoiding repetition, copying, plagiarism etc., in research
- ✓ Protecting the IPR of the research
- ✓ Strengthening the basic research for academic research and extend the research outcomes for society applications

## 29. Student profile programme-wise:

Programme	Application received 2014-15	Selected		
		M	F	Total
PG	25	4	9	13
M.Phil	9	3	2	5
Ph.D	3	2	1	3
Total	36	9	12	21

## 30. Diversity of students

2014-2016

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State	% of students From other countries
M.Sc. (13)	(8) 62%	(3) 25%	2(17)	--
M.Phil.	---	(2) 40%	(3) 60%	--
Ph.D. (2)	(2) 67%	---	(1) 33%	--

## 31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:

1. Praveen. P                      NET cleared December 2014

## 32. Student progression:

2014-15

Student	Percentage against enrolled
PG to M.Phil.	100%
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	13%
Employed	
• Campus selection	NIL
• Other than campus recruitment	50%
Entrepreneurs	NIL

## 33. Diversity of staff

Percentage of faculty who are graduates	
From the same University	100%
From other Universities within the State	Nil
From Universities from other States	Nil
From Universities outside the Country	Nil

## 34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Sl. No.	Name	Degree	Awarded year
1	Azha. Periasamy	Ph.D.	2013

**35. Present details of departmental infrastructural facilities with regard to**

Infrastructure Facilities	Details
Library	Department library facilities available
Internet facilities for staff and students	Individual internet connection to each staff members 15 points to students 10points to research scholars and Wifi connection also available
Total number of class rooms	2
Class rooms with ICT facility	1
Students' laboratories	2
Research laboratories	2

**36. List of doctoral, post-doctoral students and Research Associates****a) from the University****Doctoral students**

S. No	Name	University	FT/ PT	Date of admission	Thesis
1.	P. Balakrishnan	BU	FT	2010	Awarded
2.	S. R. Vijayalakshmi	BU	FT	2010	Awarded
3.	K. Sriram	BU	FT	2010	Submitted
4.	K. G. Padmasine	BU	FT	2010	Awarded
5.	C. Hemalatha	BU	FT	2012	Submitted
6.	G. Madhan	BU	FT	2013	On going
7.	M. Pavithra	BU	FT	2013	On going
8.	G. Chinnasamy	BU	FT	2014	On going
9.	P. Subbuthai	BU	FT	2014	On going
10.	S. Siddharthy	BU	FT	2014	On going
11.	N. Manikandan	BU	FT	2014	On going
12.	Joseph Sebastain. MD	BU	PT	2014	On going

**a). Post doctoral fellow students**

1. Vijayalakshmi. S. R –UGC-Women PDF

**b). From other institutions/Universities: Nil****37. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others :**

Sl. No.	Name	Year	Agency grantee	Purpose
1	A. Mukkan Priyanga	2014-15	UGC	Single girl child

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes****39. Does the department obtain feedback from**

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? :** Yes, discussed in the faculty meeting and implemented in the curriculum.
- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :** Yes, discussed in the faculty meeting and implemented in the curriculum.
- c) **alumni and employers on the programmes offered and how does the department utilize the feedback? :** Yes, feedback is implemented in the syllabus

**40. List the distinguished alumni of the department (maximum 10)**

1. Dr. S.R. Vijayalakshmi, Women PDF, Dept. of Electronics and Instrumentation, BU
2. Dr. P. Balakrishnan, Asst. Professor, Dept. of Electronics, Hindustan College of Arts and Science

3. Dr. R. Balamurugan, Asst. Professor, Dept. of General Science, Kumaraguru College of Technology
4. Dr. K.G. Padmasine, Asst. Professor, Dept. of Electronics, Karpagam University
5. S. Anand, PLC Engineer, Muscut
6. K.K Sreenath, PLC Engineer, YCO International, Abudhabi
7. R. Ramesh, Application Engineer, Steps Knowledge Service Pvt., Ltd., Coimbatore
8. T. Lalith Kumar, Designing Engineer, PCB designing Coimbatore
9. A. Sanjay Gandhi, Asst. Professor, Dept. of Electronics, Karpagam University
10. K.Viswanath, Project Associate, IIT Chennai, Chennai

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- ✓ Conducted National Seminar On Recent Trends in Electronics from 10.03.2011 to 11.03.2011, 175 participated.
- ✓ Conducted National Seminar on Industrial Based PLC and SCADA on 06.01.2012, 250 participated.
- ✓ Conducted One day workshop on Image Processing and its Application on 17.09.2012, 130 participated.
- ✓ Conducted One day National workshop on ARM Processor and its Application on 13.01.2013, 140 participated.
- ✓ Conducted National Conference on “Recent trends in Electronics and Instrumentation” on 20.09.2013 & 21.09.2013, 200 participated.
- ✓ Conducted National workshop on “Recent trends in Electronics and Instrumentation” from 28.02.2014 to 01.03.2014, 62 participated.
- ✓ Conducted National Training Program on “Recent trends in Solar Photovoltaic Systems” from 28.01.2015 to 29.01.2015, 170 participated.
- ✓ Conducted One week training program on “Embedded Systems” by Steps Knowledge Service Pvt., Ltd., from 16.02.2015 to 18.2015 and 23.02 to 27.02.2015

**42. List the teaching methods adopted by the faculty for different programmes.**

Methods
Personal interaction, problem solving method,
Group discussion, Power point Presentation, Industrial Visits, Focus Group Discussion, Quiz program, Just a minute, Seminars and Assignments. Job oriented training programs

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- ✓ Getting feedback from the participants or students
- ✓ Regular doctoral committee meeting for research scholars
- ✓ Conducted periodical seminar and presentation by the students (M Phil and PG)
- ✓ Visited to the industry
- ✓ Adopted individual and group counselling

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.): Nil**

**45. Give details of “beyond syllabus and scholarly activities” of the department.**

- ✓ Participation in Quiz competition in various colleges
- ✓ Organizing National level Conferences and seminars
- ✓ Conducting Workshops on recent technology in Electronics and Instrumentation
- ✓ Training programmes on PLC and SCADA, ARM Processor, Lab VIEW
- ✓ Participating summer internship in laboratories (CSIR, DRDO, ISRO)



**46. State whether the programme/ department is accredited/ graded by other agencies?**  
If yes, give details: No

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Acquiring knowledge and skill in developing new device / Instruments. Training in software programs to the PG students in automation of Industries

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength	Weakness	Opportunities	Challenges
CBCS (Choice based credit system) followed	Less no of faculty and technical staffs	Employment in automation sectors, R&D centers, teaching area and Civil Services	Clearing NET, SLET and GATE exam PG students
Inviting national level eminent scientists for lecturing (DRDO)	Insufficient Infrastructure		To get UGC JRF, SRF scheme
Strong and qualified teaching staff team			
Curriculum Extension activities			
Teaching Methodology			

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- To make the department as a centre of excellence
- To conduct additional job oriented PG course in Instrumentation and Control, and in Medical Electronics.
- To establish the Central Instrumentation lab
- Proposed to conduct training programs to the faculties, technical staffs and students of other colleges/University in the emerging field electronics.
- Proposed to establish MEMS / Nano Electronics, VLSI, Industrial instrumentation and Bio Medical Instrumentation lab for R&D
- Steps have been taken to make National/International collaboration with other institution/Industrial sector.

### **Department of Psychology**

1. **Name of the Department:** Department of Psychology
2. **Year of establishment :** 1974
3. **Department comes under :** School of Social Sciences
4. **Names of programmes offered (PG, M.Phil., Ph.D., Diploma etc.)**  
 P.G. M.Sc. Applied Psychology  
 M.Phil. Psychology (Full time and Part time)  
 Ph.D. Psychology (Full time and Part time)
5. **Examination System:** Semester / Choice Based Credit System
6. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1	1	3
Associate Professors	2	2	1
Asst. Professors	3	2	1

7. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. S. Subramanian, Professor and Head	M.A, M.Phil., Ph.D.	Organizational Psychology, Health Psychology, Creativity, Psychotherapeutics Cognitive Psychology	TE: 30	Ph.D. 7 M.Phil. 4
Dr. S. John Micheal Raj, Professor	Ph.D.	Motivational Dynamics, Counselling, Personality Orientations, Cognitive Psychology	TE: 28	Ph.D. 7 M.Phil. 2
Dr. A. Velayudhan, Professor	M.A., Ph.D.	Organizational Behavior Human Resource Management	TE: 21	Ph.D. 8 M.Phil. 3
Dr.N. Annalakshmi, Associate Professor	M.A.; Ph.D.; JDS (ISI, Kolkata)	Personality Positive Psychology (Resilience) Indian Psychology Clinical Psychology	TE: 10	Ph.D. 3 M.Phil. 1
Dr. K.V Krishna, Assistant Professor	M.A., Ph.D.	Academic Achievement	TE: 5	Ph.D. 5 M.Phil. 2

8. **List of senior Visiting Fellows, temporary faculty, emeritus professors :** Nil
9. **Percentage of classes taken by temporary faculty – programme-wise information:** Nil
10. **Programme-wise Student Teacher Ratio :**  
 The student teacher ratio for P.G Students (M.Sc. Applied Psychology) is 16:1 .
11. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

	Sanctioned	Filled	Actual
Academic Support Staff (Technical)	1	0	0
Administrative Staff	1	1 (Daily Wages)	1 (Daily Wages)

**12. Research thrust areas as recognized by major funding agencies**

The major research thrust areas are : Organizational Psychology, Health Psychology, Creativity, Psychotherapeutics Cognitive Psychology Motivational Dynamics Personality Orientations, Organizational Behavior Human Resource Management Personality and Academic Achievement

**13. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

The Department of Psychology has completed ten research projects funded by DIPR, DRDO, NCERT, UGC, ICSSR, ICMR and Center for Educational Research – Madurai Kamaraj University, Madurai, and total amount from the funding agencies is Rs.72 lakhs (Seventy Two Lakh Only). The List of ongoing projects are given below

Sl.No	Title of the Project	Principal Investigator	Funding Agency	Amount (Rs in Lakhs)
1	Integrated Intervention for Eliminating Psychological Resources among Nurses Treating HIV/AIDS and Cancer Patients: An experiment	Dr. S. Subramanian	ICSSR	Rs. 7.00
2	Skill Streaming: Social Skills Intervention among Rural Adolescents	Dr. A. Velayudhan	UGC	Rs. 7.40
3	Dr. A. Velayudhan	Effectiveness of Integrated Training for Learning Disabled Children	ICSSR	Rs. 6.50
4	Dr. N. Annalakshmi	Effect of Therapeutic Story making Intervention on Reading Skills and Academic resilience	NCERT	Rs. 6.63

**14. Inter-institutional collaborative projects and associated grants received: Nil**  
National collaboration b) International collaboration**15. Departmental Projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE etc. total Grants Received: Nil****16. Special research laboratories sponsored by / various functioning agencies: Nil****17. Special Research laboratories sponsored by/various funding agencies: Nil****18. Publications:**

Sl. No	Pulications	Dr. S. S	Dr.JMR	Dr. A. V.	Dr. N. A.	Dr.K.V.K.
1	Number of Papers Published in Peer Reviewed Journals (National/International)	20	16	38	15	01
2	Monographs	-	-	-	-	-
3	Chapters In Books	1	2	3	2	-
4	Edited Books					-
5	Books with ISBN with Details of Publishers	-	-	-	-	-
6	Number listed in International Database	-	-	-	-	-
7	Citation Index – Range/Average	-	-	-	-	-
8	SNIP SJR	-	-	-	-	-
9	Impact Factor-Range-Average	-	-	-	-	-
10	H Index	-	-	-	-	-

S. No.	Author	Name of the Book	Publisher/Place	Year
1	Dr..AVelayudhan	Efficacy of Behavioural Couples Therapy, 2013	LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany	2013
2	Dr..A Velayudhan	Job Satisfaction of Health Professionals,	LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany	2013
3	Dr Annalakshmi,N.,	Abnormal Psychology' (MA – Education) (2 <sup>nd</sup> Semester) (Option A) (2013) for Guwahati University	Vikas Publishing House Pvt. Ltd., New Delhi	2013

### 19. Details of patents and income generated

AFAC (Air force Administrative College) Counseling Services Rendered for Airforce Personnel

### 20. Areas of consultancy and income generated

The Department of Psychology, Bharathair University, has signed MOU with AFAC Coimbatore. As per the MoU the Department offers counseling services to Airforce Personnel. The gross revenue of this is Rs.7,000/- and the net revenue is Rs.14000/-.

### 21. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)

Dr. N. Annalakshmi was awarded UGC Raman Post Doc Fellowship 2013-2014, University of Michigan Ann Arbor.

### 22. Faculty serving in ) National committees b) International committees c) Editorial Boards d) any other

All the faculties are serving in Editorial Boards for various Journals in National level.

### 23. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).

Dr. K.V Krishna attended Two Day Faculty Development Program Organized by UGC Academic Staff College, Bharathiar University, Coimbatore. June 2011 at Bharathiar University

### 24. Student projects

100% students do projects. Out of which In House Project is 80% and outhouse project is 20%

### 25. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose) : Nil

### 26. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants,

UGC Sponsored National Conference on Enhancing Psychological Well Being (NCEPW2014) organized by the Department of Psychology, Bharathiar University, Coimbatore from 20-21 February 2014. Over 650 participants from all over India participated in the National Seminar

### 27. Code of ethics for research followed by the Department

The department collects data for various research purposes. The data is collected in the form of Questionnaires. The subjects are given an introduction of the purpose of research and confidentiality is maintained in the collected data. It is used for research purpose only.

## 28. Student profile programme-wise:

Name of the Programme	Applications received	Selected Male Female	Pass percentage	
			Male	Female
M.Sc. Applied Psychology	200	Male-17, Female- 57	100%	100%
M.Phil.	5	Male-1 Female-2	100%	100%
Ph.D.	4	Male-1 Female-2	100%	100%

## 29. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Applied Psychology	30	10	60	Nil
M.Phil.	30	70	90	Nil
Ph.D.	40	60	90	Nil

## 30. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Two students have cleared Civil Service Examination and three students have cleared NET

## 31. Student progression

Student	Percentage against enrolled
PG to M.Phil.	10%
PG to Ph.D.	30%
Ph.D. to Post-Doctoral	NIL
Employed <ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment</li> </ul>	Off Campus selection
Entrepreneurs	NIL

## 32. Diversity of staff

Percentage of faculty who are graduates	
From the same University	80%
From other Universities within the State	20%
From Universities from other States	
From Universities outside the Country	

## 33. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

## 34. Present details of departmental infrastructural facilities with regard to

- Library : Departmental Library: Over 250 books
- Internet facilities for staff and students Wifi connection to all faculty members and Students
- Total number of class rooms : 2
- Class rooms with ICT facility : 2
- Students' laboratories: Nil
- Research laboratories: Nil

## 35. List of doctoral, post-doctoral students and Research Associates

Fifteen doctoral students belong to the same university and nine doctoral students are from other universities. One post doctoral student from the same university

**36. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others-**

P.G Students getting State government Fellowship: Seventeen fellowships for P.G Students for various state government agencies

**37. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil**

**38. Does the department obtain feedback from**

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, The data collected from faculty members is integrated and curriculum is updated every 3-5 years giving new innovative courses in line with the recent trends and requirements.

- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, The feedback obtained from the current students and alumni are being utilized as valuable input for framing and improvising the syllabus of the courses periodically.

- c) alumni and employers on the programmes offered and how does the department utilize the feedback?:

One of the alumni is representing as Member of the Board of Studies (BOS) to furnish the voluble information to upgrade the content of the syllabus to meet the job demands

**39. List the distinguished alumni of the department (maximum 10)**

The names of the alumni are given as follows:

- Dr Sajjan Roa : Head, HR, SITRA Coimbatore
- Ms. Emlida Judith: Clinical Psychologist. Sri Ramachandra University, Chennai
- Dr. T. Veeramani: Head of the Department and Associate Professor. Department of Psychology, Government Arts College, Coimbatore
- Dr T. Saleendran: Associate Professor. D.J. Academy. Coimbatore
- Dr. Thomas George- Soft Skill Trainer, Kerala
- Dr. Nagarajan. P: Inspector of Police. Coimbatore
- Dr. Krishnakumar. Clinical Psychologist and Consultant, Kerala
- Dr. R. Venkatachalam: Soft Skill Trainer, Bangalore
- Dr. K. Mangaikarasi. Assiatant Professor. Department of Women Studies. Bharathiar University

**40. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Student Enrichment Programs such as special lectures/workshops/seminar were arranged by involving the external expertsand help the students to train in the latest developments and trends in the field of Psychology.

**41. List the teaching methods adopted by the faculty for different programmes.**

Use of audio visual Systems, Case Studies, Field Trips, Role Plays, Group Discussions, Team work Exercise *etc.*

**42. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The department conducts continuous assessment test, case analysis exercises and group discussions to monitor the program objectives

**43. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

Screening IQ for higher Secondary Students was conducted at vadavalli Government High School on March 22, 2013. Nearly 80 students of Vadavalli High school got benefited from this activity. The Bharathiar Counseling Centre is rendering free counseling service to P.G Students of the Bharathiar University and Parents and Families of neighborhood areas on the First Tuesday of Every month. Nearly 200 families and students have got benefited from this activity. The faculty members visit 6 Airforce Hospital to render counseling services to the family members of the Airforce personnel. Nearly 300 families of airforce personnel have got benefited from this service

**44. Give details of “beyond syllabus and scholarly activities” of the department.**

Students are presenting papers and attending various National and International Conferences. The department has conducted a National Seminar which all serves as a Learning Environment

**45. State whether the programme / department is accredited / graded by other agencies? If yes give details?: Nil**

**46. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Updating Syllabus in line with the industrial expectations. Guest lecturers highlighting the need of latest trend in the field to prepare students for placement and make them ready to enter the job market

**47. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength:** Clinical Practicum/HR Practicum at the Hospitals and Industries for the duration of 90 days at the real life work situation. Organizing series of guest lecturers by eminent personalities and subject experts from Industries and Clinical Hospitals periodically. Undertaking sponsored research projects from various funding agencies such as UGC, ICSSR, NCERT etc. Guiding M.Phil. / Ph.D. Scholars and publishing a series of research articles in the ISSN peer reviewed journals.

**Weaknesses:** Lack of adequate space to accommodate faculty, research scholars and students and setting a laboratory. Inadequate teaching and non-teaching staff to meet the requirements of the regular teaching and administrative work

**Opportunities:** The students who complete M.Sc. Applied Psychology have careers in Clinical Psychology and Human Resource Management.

**Challenges:** The field of Psychology includes testing, counseling activities and utmost care must be taken to conduct such activities. The code of conduct along with the conduct of law must be followed

**48. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

The department would like to start new Diploma Courses in Counseling and Counseling & Psychotherapy. It would also like to cater to the needs of the varied population such as children, students, adolescents, youth, women, entrepreneurs, professionals, agriculturists, laborers, senior citizens in Tamil Nadu through Psycho-educational services such as awareness campaigns seminars, workshops etc and provide counselling and therapeutic services such as cognitive behavior therapy (CBT), rational emotive therapy (RET), self-instruction training, key mental health services such as rehabilitation, reorientation, referral and support services wherever required.

### **Department of Social Work**

1. **Name of the Department :** Social work
2. **Year of establishment :** 2007
3. **Department comes under:** School of Social Science
4. **Names of programmes offered:**
  - M.S.W. Social work
  - M. Phil, Social work
  - Ph.D., Social work
5. **Courses in collaboration with other Departments, Universities, Industries, Foreign Institutions, etc :**

There is an MOU between Munster University Germany and Bharathiar University for Field Work wherein every year students from Munster University, Germany, visit our department and do their field work training for about 3 to 4 months.
6. **Details of programmes discontinued, if any, with reasons :** Nil
7. **Exam system:** Choice Based Credit System- Semester Pattern
8. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	2	1	2
Associate Professors	2	1	-
Asst. Professors	3	2	2

9. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. / M. Phil. guided	
			Teaching	Research	M. Phil.	Ph.D.
Dr. A.Sethurama subbiah, Professor and Head	MA, MA, M. Phil. Ph.D.	Community Development	23	23	07	Awarded 03
Dr. F.X. Lovelina Little Flower, Professor	MA (SW) Ph.D. (SLET)	Medical and Psychiatry	19	19	09	Awarded 03
Mr. R. Baskar, Assistant Professor	MA, (UGC-NET)	Human Resource Management	09	09	-	-
Dr. R. Arjunan, Assistant Professor	MA, M.Phil, Ph.D, (UGC NET)	Human Resource Management	15	15	07	-

10. **List of senior Visiting Fellows, temporary faculty, emeritus professors :** Nil
11. **Percentage of classes taken by temporary faculty – programme-wise information**

Social work: Theory 22%; Fieldwork 67%; Research guidance 11%
12. **Programme-wise Student Teacher Ratio**

Social Work M.S.W 10:1, M. Phil, 1:1, Ph.D.1:1



**13. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date**

	Sanctioned	Filled	As on Date
Technical	1	-	-
Administrative	3	-	-
Daily wages	3	3	3

**14. Research thrust areas as recognized by major funding agencies**

Research Thrusting areas are Organizational Behavior, Human Resource Management, Child Labour, Scavengers, Alcoholism, Mental Health, Dailt Women and Community, Rural related problems, Tribal problems and their social issues.

**15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise**

Name of the Principal Investigator	Title of the Project and period	Status
Dr. F. X. Lovelina Little Flower	“Psycho-Social Correlates of Well-being among Adolescents in Institutional and Parent Care in Western Districts of Tamil Nadu” - Feb 2010 to Feb 2012 with an Amount Rs 4,54,000	completed
R. Baskar	“A Study on psycho-Social Well being of Juvenile Delinquents in Observation Homes of Tamil Nadu, July 2012 to February 2014 to the tune of Rs 1,40,000	completed
Dr. R. Arjunan	Physical accessibility features of Persons with disabilities in affiliated colleges under Bharathiar University. June 01, 2013 to May 31, 2014 with an Amount Rs 2,50,000	completed

**16. Inter-institutional collaborative projects and associated grants received**

d) National collaboration b) International collaboration : Nil

**17. Departmental projects funded by DST-FIST, UGC-SAP/ CAS,DPE, DBT, ICSSR, AICTE etc: Nil**

**18. Research facility / centre with: state / national / international recognition – Nil**

**19. Special research laboratories sponsored by / various funding agencies**

Multi Model Material Preparation Lab (MMCP) from July 2013 funded by Government of Tamil Nadu

**20. Publications: Number of papers published in peer reviewed journals (national / international)**

S.No	Published in/Faculty	Dr.A.SRS	Dr.F.X.L	R. B	Dr. R.A
1.	Number of Papers Published in Peer reviewed Journals (National /International)	7	8	5	7
2.	Monographs	-	-	-	-
3.	Chapters in Books	4	9	4	22
4.	Edited Books	1	2	-	2
5.	Books with ISBN with details of Publishers	2	2	-	3

**21. Details of patents and income generated: Nil**

**22. Areas of consultancy and income generated: Nil**

**23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil**

## 24. Faculty serving in a) National committees b) International committees c) Editorial Boards

S.No.	Faculty	Editorial boards
1	Dr. A. Sethuramasubbiah	Asian Review of Social Sciences Journal of School Social Work
2	Dr. F. X. Lovelina Little Flower	Professional Outlook Journal

## 25. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose)

Participated programs	Dr. A. SRS	Dr. F.X. L	R. B	Dr. R.A
Orientation / Refresher	3		2	1
Workshop	-	2	-	-
Training	3	1	-	-
Conference	-	1	1	2

## 26. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- students doing projects in collaboration with other universities / industry / institute :  
100% In MSW, all students (39) are involved in the projects. About 100% students involved in the Group Project (Group Project) since its their curriculum  
As per the curriculum, the projects are mandatory for the students. Hence, 100% of the students have taken up the projects and they have done in collaboration with the following organizations.  
Ramasamy Chinnammal Trust, Coimbatore, Native Medicare Charitable Trust, Roots Industry, The Local Self Government, Families for Children, UDIS Forum, Rhythm Social Service Society, National Institute of Personal Management -Coimbatore Chapter, Bimetal Bearing, Kirtilal Kalidass Diamond and Jeweler, Coimbatore.

## 27. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students: Nil

## 28. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants given

- Organized two day training workshop on Disability Management on 17,18 Sep 10 (229 participated)
- National Conference on “Professional Social Work in India Rhetoric and Reality” on 7, 8 Oct 2010 ( 237 participated )
- National Conference on Health and Development” on 13, 14 Oct 2011 (210 participated )
- National Conference on Disability Management on 14, 15 Oct 2012 (198 participated )
- National conference Redefining social work practices and rediscovering strategies for India on 8, 9 March 2013 (310 participated )
- ATA expo ATA expo -A way forward for Inclusion on 20,21 July 13 (5315 participated )
- One-day Curriculum Development Consultation Program on 30 Nov 2013 (40 participated)
- International workshop on Enhancing the quality of Field Work Practice in India with international perspectives on 9 Jan 2014 (69 participated)

9. Strengthening inclusive practices for mainstreaming person with disabilities in higher education and work place on 27,28 Feb 2014 (300 participated)
10. State level conference of prevention of child abuse and challenges on 19, 20 Aug 2014 (350 participated)
11. State level Yatra to Campaign for the eradication of Bonded labour system on 8 Oct 2014 (250 participated)
12. Workshop on qualitative research in social sciences on 17, 18 Oct 2014 (60 participated)
13. Orientation of school social work fieldwork on 22, 23 Dec 2014 (38 participated)

## 29. Code of ethics for research followed by the departments:

Research scholars obtain proper permission from the ethics committee for the research in the university before beginning their research.

## 30. Student profile programme-wise:

Programme	Application Received (2014-2015)	Selected		Total	Pass %	
		Male	Female		Male	Female
PG	59	21	18	39	97	100
M.Phil.	4	2	1	3	100	100
Ph.D.	4	-	4	4	-	-

## 31. Diversity of students

Year	Name of the Programme	% of students from the same University	% of students from other universities within the State	% of students from Universities outside the State
2014-2015	MSW (39)	43%	43%	14%
	M Phil (3)	67%	Nil	1%
	Ph D (4)	Nil	Nil	Nil

## 32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Awards/Recognition National / International	Name of the students
Name of Award	
Junior Research Fellowship	H. Arokia Raj, N. Napthaline Prabhu V. Gurumoorthy, G. Arthi, P. Venkatesh
Indian Police Service	Ma. Arun Rangarajan
National Eligibility Test for Lectureship	D. Nancy, Risa John

## 33. Student progression

Student	Percentage against enrolled
PG to M. Phil.	3%
PG to Ph.D.	4%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	20%
• Other than campus recruitment	60%
Entrepreneurs	

## 34. Diversity of staff

Percentage of faculty who are graduates	
From the same University	75%
From other Universities within the State	25%
From Universities from other States	0
From Universities outside the Country	0

**35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**36. Present details of departmental infrastructural facilities with regard to**

- a) Library : No
- b) Internet facilities for staff and students : Yes
- c) Total number of class rooms : 3
- d) Class rooms with ICT facility : 1
- e) Students' laboratories : 1 (Computer lab)
- f) Research laboratories : Nil

**37. List of doctoral, post-doctoral students and Research Associates**

a. from the University :

List of doctoral (19 candidates)	
1. R. Baskar, 2. M. Dharmaraj 3. P. Govinarajan, 4. R. Punitha, 5. G. Balathandayutham, 6. Rajameenatchi, 7. Somu .B, 8. Mary. T. Abraham 9. K. Manju Lakshmi, 10. Shoby Varghese,	11. N. Nalini, 12. B. Lora Deva Prasana 13. M. Xavier, 14. R. Madhulaa, 15. H. Darwin Moses 16. R. Samuel Raj, 17. S. Sam Lovely Son, 18. D. Priyanka, 19. P. Kalpana

b. Post-doctoral students and Research Associates from other institutions / Universities: Nil

**38. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others**

Year	Number	Source	Source
2010-2011	23	State Government	-
2011-2012	38	State Government	Free education (1)
2012-2013	34	State Government	Loan scholarship (3)
2013-2014	2	Private CMS (Christian Mission Service) Coonoor, The Nilgiris	-
2013-2014	on process	State Government	-

**39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Nil

**40. Does the department obtain feedback from**

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
YES. Through CBCS meetings the department evaluated teaching and learning process from the faculty.
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
The feedback forms were collected from the students- the major findings were given below
  - 1. Vast Majority of the students (90%) stated that the prescribed syllabus for the papers is adequate (Excellent 90% and good 10%)
  - 2. Almost all (95%) of the students felt that the MSW Course was suitable for the employment opportunity (Excellent 95% and Good 5%) the MSW Course is employability course

3. About 85% intended the course purpose was appropriate (Excellent 85% and Good 15%)
4. Moreover, 75% felt that the course and subjects were suitable for a variety of learning styles (Excellent 75% Good 15% and Satisfactory 10%)
5. About 89% had more clarity in the module of the study (11% were good)
6. About 70% had excellent inspiration of the course to learn more of the subject and 30% were good level inspiration.
7. About 86% of the students expressed that appropriateness of the facilities in the institution for learning was excellent and 14% were good.
8. About 95% felt that the time and effort spent to study the course correspond to the credit assigned as excellent and 5 % were at good level.
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

The University conducted alumni meeting to all the department and feedback received. The Department of Social work is having the student association as SWIFT (Social Work initiatives for Transformation). It is a department level association. The department is having regular contact with SWIFT members. The Alumni and employers had given the feedback on field visit and concurrent fieldwork. Based on their feedback, the department modified and redefined the fieldwork curriculum. For example, the students (Trainees) stick on the rules and regulation of employers and wearing uniforms and ID Cards. The alumni have enhanced the skills of the students through collaborative strategies. Based on the group projects, rural/tribal camps were organized. About 25% of the alumni supported to get the job/avenues in employment for the current students.

#### 41. List the distinguished alumni of the department (maximum 10)

1. P. Ganesh, Patient Counselor, KG Hospital, Coimbatore
2. N. Gobi, H.R. Dept., C.P.F. India Pvt. Ltd., Vellore.
3. M. Selvakumar, Universal Peace Foundation, Coimbatore
4. M. Sumathi, IMWARM, Thiruvallur
5. S. Shwetha Abigail, The Banyan, Chennai
6. S.A. Santhosh, IMWARM, Kanchipuram
7. N. Vellingiri, DEEPS, Dharmapuri
8. J. Newbine Daniel, Skills India NGO, Erode
9. N. Sathya, Project Coordinator, SNP+ HIV/AIDS Project, Attur, Salem
10. R. Monica, Counsellor in prison, Coimbatore

#### 42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Every year the department is conducting series of lectures for the benefit of the students.

Event	Resource person and Topic
Special Lecturer	<b>Dr. Peter Hansbauer</b> , Munster University, Germany Special address on contemporary social work in India and Germany
Special lecturer	<b>Dr. Googins</b> , Corporate Social Responsibility
Group project	<b>MS. N. Kamini IPS</b> -Deputy commissioner of police Road Safety
Training Workshop	<b>UIDS FOURM</b> - Disability Management
job fair for disabled	S.M. Velusami-Mayor Job fair for person with disabled In collaboration with Ceshires Home
Special day observance	Dr. Prof. James Pitch, VC, Bharathiar University Observance of International Day of Disabled Persons

Research Methodology Workshop	Dr.Natesan –Sakthi Finances,, Mr.Balathandauthapani -Bimetal Bearings, Mr.Karupasamy-PSGIMSR, Rev. Sr. Arputha Paul Rani- Rythem Social Service Society, Research Methodology
Observance of Human Rights Day	Mr. Pilomin Raj, IEDAS, Madurai
State level Yatra on Child Labour	Mr.Anil Kumar Parashar Joint Registrar of Law & Human Rights Defenders Focal Point National Human Rights Commission, New Delhi. Ms. A.R .Meyyammai Journalist, Mr. Muthu Raja District Secretary, District Cotton Mill Workers Union-CITU
NGO Management	Ms. Geetha Subramanian, New Delhi, NGO Management
Orientation to School Social Work Field Work	Mr. G. Senthil Kumar, Chairman, Helikx Special School, Salem

#### 43. List the teaching methods adopted by the faculty for different programmes.

Area	Methods
Individual	Personal interaction, problem solving method,
Group / class level	Group discussion, Social Games, Power point Presentation, Case discussions, Chart Work, Field Visits, PRA-Participatory Rural Appraisal, Focus Group Discussion, Social Drama, Role Plays, Networking Games, Brain-Storming, Problem Tree and Analysis, case study analysis

#### 44. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- α Getting feedback from the participants or students
- α Conducted individual conference (IC – for field work)
- α Regular faculty meeting for the field work training.
- α Conducted periodical seminar and presentation by the students (M.Phil. and PG)
- α Visiting the students on field (on site)
- α Adopted individual and group counseling

#### 45. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.). Industrial visit, group projects, rural / tribal camps, observation visit, India Habitat Centre, Helix school training

Nature of activity Industrial Visit, Group Projects, Rural / Tribal Camps, Observation Visit, India Habitat Centre, School Social Work

**High lights:** Gained deeper understanding regarding Industries, NGOs and Hospitals; Learnt planning and Organizing Groups projects on the current Social issues; Learnt the life style and problems of rural/tribal people; Students were able to identify the problems of School Children Applied different methods of Social Work like Case Work, Group Work, Community organization and Social Work Research in the Industries, Hospitals, and Communities; The students gained knowledge & expertise in their specialization; The staff learned planning, monitoring or mentoring, evaluating the programs; The students were motivated to establish the non-government organizations after completion of the training from the IHC, New Delhi.

#### 46. Give details of “beyond syllabus and scholarly activities” of the department

- Participation in Quiz (NIPM –Coimbatore Chapter),
- Participation in the meetings of Gram Sabahs
- Organizing National level Conferences
- Exhibition on Disability (ATA Expo 2013)
- Conducting Workshops on Disability Management
- Training programmes on School Social Work

- Participation in National Conference (Human Rights at PSG, Child Labour Project-New Delhi)
- Observance of Special days on Thematic issues like Disability, Human rights, National festivals

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

1. Created opportunities to practice primary Social Work Methods like Case Work, Group Work, Community Organisation Programmes and Social Work research on burning issues.
2. Multimodal material preparation centre (MMPC) was established on 19 July 2013, based on the G.O.N.O 72 dated 21-5-2015. The major aim of the centre is supporting the Persons with Disabilities (PWDS) for effective learning and development. E.g. MAGic Screen helps to magnify the contents for low vision persons.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

<p><b>Strength</b></p> <p>CBCS (Choice based credit system) followed</p> <p>Inviting national level eminent personalities for lecturing (IHC-New Delhi)</p> <p>Collaboration with government schools, BDOs, Corporation office (five zones), NGDOs / NPOs ,Industries and Hospitals</p> <p>Strong and qualified teaching staff team</p> <p>SMART facilities in the class room</p> <p>Curriculum</p> <p>Extension activities</p> <p>Teaching Methodology</p> <p>Employability</p> <p>MoU between Munster University, Germany</p>
<p><b>Weakness</b></p> <p>Less number of Faculty</p> <p>Infrastructure</p> <p>No lab (Soft Skills)</p> <p>No Van(transport for field work supervision)</p>
<p><b>Opportunities</b></p> <p>Employment in Government Projects</p> <p>Equal representation from the students</p> <p>Collaboration with international forum for discussion</p> <p>District level and state level support from the government authorities and non- government sectors</p> <p>Qualified guest faculties</p> <p>Placing interactive boards, Skype connection</p>
<p><b>Challenges</b></p> <p>No due recognition among Government and Other departments</p> <p>All other Social Sciences claiming share in the Profession</p> <p>No council to certify the professional practice</p> <p>Offering MSW through Distance Education</p>

**49. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

- Establishing Department into Bharathiar School of Social Work
- To start new courses on NGO Management, Social Policy and Development, Geriatric Social Work, Social Entrepreneurship, CSR, Disability Management, De-Addiction Management.
- Proposed to set up Knowledge Centre to train Social work Students & NGOs for effective functioning of NGOs.

### **Department of Sociology & Population Studies**

1. **Name of the Department :** Sociology and Population Studies
2. **Year of establishment :** 1976 & 1986
3. **Department comes under:** School of Social Sciences, Faculty of Social Sciences,
4. **Names of programmes offered :** M.A. , M.Phil., Ph.D. in Sociology
5. **Details of programmes discontinued, if any, with reasons:** Nil
6. **Examination System:** - Choice Based Credit System (Semester Pattern)
7. **Participation of the department in the courses offered by other departments:**  
Handling Classes for M. A. Women's Studies in the Department of Women's Studies
8. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	1	1	--
Associate Professors	1	1	--
Asst. Professors	1	-	--

9. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. N. Audinarayana, Professor & Head	M.A., M. Phil. & Ph.D.	Nuptiality, Fertility, Family Planning Programme, Reproductive Health Issues and Aging	27 & 34 Years	3 Ph. D. 1 M. Phil
Dr. N. R. Suresh Babu, Assistant Professor	M.A., M.Phil. & Ph.D.	Social Stratification, Social Conflicts, Identity and Social Exclusion and Inclusion	9 & 13 Years	1 Ph.D. 2 M. Phil

10. **List of senior Visiting Fellows, temporary faculty, emeritus professors:** Nil
11. **Percentage of classes taken by temporary faculty – programme - wise information:** N.A.

#### **12. Programme-wise Student Teacher Ratio**

Student Teacher Ratio			
	Male	Female	Total
P.G.	Nil		
M.Phil.	1	2	3 : 2
Ph.D.	4	11	15: 2

13. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date :**

Academic Supportive Staff	Sanctioned	Filled	Actual
Attender	1	1 Attender Sp/ Grade	1
Office Assistant	1	1 Office Assistant Daily Wages	Office Assistant Not Filled

14. **Research thrust areas as recognized by major funding agencies :**

Nuptiality, Fertility, Family Planning Programme, Reproductive Health Issues and Aging,  
Social Stratification Social Conflicts, Identity and Social Exclusion and Inclusion



**15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Sl. No.	Funding Agency	Name of the Principal Investigator	Title of the Project	Amount (Rs)	Duration		Status
					From	To	Completed Ongoing
1.	UGC New Delhi	Dr. N. Audinarayana	Care of the Rural Elderly across their Living Arrangements: A Study in selected Rural Settings of Tamil Nadu	Rs. 4.39	2009	2011	Completed (2013)
2.	ICSSR New Delhi	Dr. N. Audinarayana	Care Giving to the Urban Elderly across their Living Arrangements: A Study in Coimbatore city Tamil Nadu	Rs. 2.39	2009	2011	Completed (2011)
3.	UGC New Delhi	Dr. N. R. Suresh Babu	Social Exclusion and Identity of Arunthoithars (Dalits) in some selected districts of Western Tamil Nadu	Rs. 4.34	2009	2011	* Report is under preparation

\* Waiting for 2<sup>nd</sup> installment Grants, it will be submitted very soon.

**16. Inter-institutional collaborative projects and associated grants received**

National collaboration b) International collaboration: Nil

**17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil**

**18. Research Facility / Centre with: Nil**

**19. Special research laboratories sponsored by / various functioning agencies: Nil**

**20. Publications:**

S. No.	Published in / Faculty	Dr. N. Audinarayana	Dr. N. R. Suresh Babu
1.	Number of Papers Published in Peer reviewed Journals (National / International)	3	4
2.	Monographs	-	-
3.	Chapters in Books	23	2
4.	* Edited Books	3	-
5.	* Books with ISBN with details of publishers	7	1
6.	Number listed in International Database	-	-
7.	* Citation Index – Range / Average	-	-
8.	* SNIP * SJR	-	-
9.	* Impact Factor – range / average	-	-
10.	H-index	-	-

- Dr. N. Audinarayana, (2010) *Health, Equity and Human Rights: Perspectives and Issues*, Serials Publications, New Delhi. ISBN No: 978-81-8387-396-3
- Dr. N. Audinarayana, (2010) *Ageing in India: Issues and Concerns*, VDM Verlag Dr. Muller, Germany. ISBN No: 13: 978-363928942-8

- Dr. N. Audinarayana, (2011) *Health, Poverty and Human Development Perspectives and Issues*, Global Research Publications, New Delhi. ISBN No: 978-81-89630-24-9
- Dr. N. Audinarayana, (2011) *Health, Environment and Sustainable Development: Perspectives and Issues*, New Delhi, Serials Publications. ISBN No: 13:978-81-8387-513-4
- Dr.N.Audinarayana, (2012) *Rural Elderly in India: Perspectives and Issues*, B. R. Publishing Corporation, New Delhi. ISBN No: 13:9789350500576
- Dr.N.Audinarayana, (2012) *Urban Elderly in India: Care and Support*, B. R. Publishing Corporation, New Delhi. ISBN No: 13: 9789350-50057-6
- Dr.N.Audinarayana, (2014) *Ageing: Care and Support*, APH Publications, New Delhi. ISBN No: 978-93-313-2389-7
- Dr.N.R.Suresh Babu, (2015) *"Dynamics of Caste Conflicts in Tamil Nadu"* Pallavi Pathipagam, Erode. ISBN No: 978-81-89840-49-5

**21. Details of patents and income generated:** Nil

**22. Areas of consultancy and income generated:** Nil

**23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.):** Nil

**24. Faculty serving in:**

**National**

- Dr. N. Audinarayana is elected as Treasurer in The Indian Association for Social Sciences and Health (IASSH), Tirupati, (2010-2012)
- Dr. N. Audinarayana is Elected as E. C. Member (2011-2012), The Indian Association for Social Sciences and Health (IASSH), Tirupati,
- Dr. N. Audinarayana is a Elected as Member, Board of Trustees (2013-2015), The Indian Association for Social Sciences and Health (IASSH), Tirupati,
- Dr. N.R. Suresh Babu is Elected as E. C. Member (2011- 2013), Research Committee of Dalit and Backward Classes, Indian Sociological Society (ISS), New Delhi.

**International**

- Dr. N. Audinarayana, Member of the Panel on Nuptiality (2011-2015), International Union for Scientific Study of Population (*IUSSP*), Leige, BELGIUM.

**Editorial Board**

- Dr. N. Audinarayana, Member, Editorial Committee (2008-2010), *Demography India*, New Delhi
- Dr. N. Audinarayana, Member, Peer Review Committee (2009-2011), *Annamalai University Humanities Journal*, Annamalai Nagar
- Dr. N. Audinarayana, Member, Peer Review Committee (2010-2013), *Working Paper Series*, Institute of Economics and Social Change, Bangalore

**Other**

- Dr. N.R. Suresh Babu, Member (2012- Onwards), District Adi-Dravidar Welfare Committee Council, Coimbatore Collectorate
- Dr. N.R. Suresh Babu, Member (2013- Onwards), District Adi-Dravidar Bonded Labour Eradication and Awareness Committee Coimbatore Collectorate

**25. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

Dr. N. R. Suresh Babu Attended Refresher Course at UGC / Academic Staff College – Bharathiar University in Social Sciences held between 01.02.2013 and 21.02.2013

**26. Student projects: Nil**

- percentage of students who have done in-house projects including inter-departmental projects: Nil
- percentage of students doing projects in collaboration with other universities / industry / institute: Nil

**27. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose): Nil**

- Faculty
- Doctoral / post doctoral fellows
- Students

**28. Seminars / Conferences/Workshops organized and the source of funding (national / international) with details of participants.**

**1. Training / workshops programmes by Department**

- National level workshop on Social Sciences Research Methodology and Use of SPSS Software, February, 25-28, 2010
- National level workshop on Social Sciences Research Methodology and Use of SPSS Software November 10-13, 2010
- National level workshop on Social Sciences Research Methodology and Use of SPSS Software, June, 22-25, 2011
- National level workshop on Social Sciences Research Methodology and Use of SPSS Software, May 06-09, 2013
- National level workshop on Social Sciences Research Methodology and Use of SPSS Software, December 09-12, 2013
- National level workshop on Social Sciences Research Methodology and Use of SPSS Software January 6-10, 2014
- National level workshop on Social Sciences Research Methodology and Use of SPSS Software, May 05-09, 2014

**2. Seminars organized (National / International)**

- National level UGC Sponsored National Seminar on “Social Exclusion and Inclusion in India: Perspectives and Challenges” 13<sup>th</sup> - 14<sup>th</sup> February 2014
- National level UGC Sponsored National Seminar on Ageing and Elderly Persons in India: Perspectives and Challenges 5<sup>th</sup> - 6<sup>th</sup> March 2014

**29. Code of Ethics for Research followed by the Departments:**

The Faculty and Research Scholars pursue their research work honestly and objectively in reporting data, results, methods and procedures and publications. Data used to be collected mostly from individual respondents keeping the research ethics of confidentiality and voluntary participation by them. Ethics committees have been formed for those research works wherever such need arise. Most of the research used to be carried out with social responsibility. Researchers maintain the basic ethics of respecting the research works of each other and in most cases avoid plagiarism.

### 30. Student profile programme-wise:

Name of the Programme	Applications received	Selected				Pass percentage			
		Male		Female		Male		Female	
		FT	PT	FT	PT	FT	PT	FT	PT
M.Phil. (2012-13)	4	1	--	3	--	1(33.5%)	--	2 (66.5%)	--
M.Phil. (2014-15)	1	--	--	--	--	--	--	--	--
Ph.D. (2010-11)	1	--	--	1	--	--	--	1	--
Ph.D. (2011-12)	2	--	--	1	1	--	--	1	1
Ph.D. (2012-13)	4	1	--	1	1	1	--	1	1
Ph.D. (2013-14)	4	1	--	1	--	1	--	1	--
Ph.D. (2014-15)	2	1	--	1	--	1	--	1	--

### 31. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students From other countries
M.A.	--	--	--	--
M.Phil.	--	--	3 (100%)	--
Ph.D.	1(8%)	5 (42%)	6 (50%)	--

### 32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise : Nil

### 33. Student progression

Student	Percentage against enrolled
PG to M. Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed <ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment</li> </ul>	--
Entrepreneurs	--

### 34. Diversity of staff

Percentage of Faculty who are Graduates	
From the same University	--
From other Universities within the State	--
From Universities from other States	100%
From Universities outside the Country	--

### 35. Number of faculty who were awarded M. Phil., Ph. D., D. Sc. and D. Litt. during the assessment period: Nil

### 36. Present details of departmental infrastructural facilities with regard to

- |   |                                      |
|---|--------------------------------------|
| a) Library                                    | - Yes                                |
| b) Internet facilities for staff and students | - Yes (9 Users)                      |
| c) Total number of class rooms                | - 1Class Room (on Sharing Basis)     |
| d) Class rooms with ICT facility              | - 1Class Room (on Sharing Basis)     |
| e) Students' laboratories                     | - 1Computer Lab (5 Comp.+3 Printers) |
| f) Research laboratories                      | - Not Applicable                     |

**37. List of doctoral, post-doctoral students and Research Associates (On Enrolment)**

- a) from the University - **1. Mr. Sivaraman A. R. (2012) – (Part Time)**  
b) from other institutions/Universities –

Sl. No.	Name of Scholars	Full Time	Part Time
1.	Mrs. R. Saranya Devi (2009 – 2015)- Awarded	1	--
2.	Mrs. Neelu Singh (2009 – 2014) - Awarded	1	--
3.	Mrs. N. Meena (2010 – Till Date)	1	
4.	Mrs. Diana Mathews(2010 – Till Date)	--	1
5.	Mrs. Vidya Balu (2012 – Till Date)	1	--
6.	Sr. Reena Mathew (2012 – Till Date)	--	1
7.	Mrs. Phamila Jesintha Rajee Cat-B (2012-Till Date)	--	1
8.	Mr. Nandeesa. P Cat-B (2012-Till Date)	--	1
9.	Ms. Tiwari Mahalaxmi (2013)	1	--
10.	Mr. M. Vijayakumar (2013)	1	--
11.	Mrs. Syama K. P. (2014) - Awarded	1	--
12.	Mr. Javid Ahmad Rather (2014) - Awarded	1	--

**38. Number of post graduate students getting financial assistance from the state government/UGC/private trust/others: Nil**

**39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil**

**40. Does the department obtain feedback from**

- a) **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** - Yes, Already we have incorporated during the BOS Meeting  
b) **Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** – N.A.  
c) **Alumni and employers on the programmes offered and how does the department utilize the feedback?** – Yes, Suggestions are recommended will be incorporated in the next BOS Meeting

**41. List the distinguished alumni of the department (maximum 10)**

- 1) Dr. C. Venkatachalam, Professor & Head, Department of Sociology, Periyar University, Salem – 606 311
- 2) Dr. K. Velumani, Professor of Futurology, Centre for Future Studies, Director of Women Studies, Gandhigram Rural University, Gandhigram, Dindugal
- 3) Dr. R. Maruthakutti, Associate Professor, Department of Sociology, Manonmaniam Sundaranar University Tirunelveli, Tirunelveli.
- 4) Dr. O.T. Bhuvaneswaran, Administrative Executive, KMCH Group of Institutions, Coimbatore
- 5) Dr. K. S. Malathi, Manager Research & Development, Karl Kubel Institute for Development Education (KKID), Anakatti, Coimbatore
- 6) Dr. M. Sivakami, Associate Professor, Tata Institute of Social Sciences (TISS) School of Health System Studies, V.N. Purav Marg, Deonar, Mumbai 400 088
- 7) Dr. N. Dhanabagyam, Deputy Director Population Research Centre, The Gandhigram Institute of Rural Health and Family Welfare Trust, Ambathurai, Dindigul – 09
- 8) Dr. R. Nagarajan, Professor, Department of Development Studies, International Institute for Population Sciences (IIPS), Govandi Station Road, Deonar, Mumbai
- 9) Dr. Ajay Kumar Mishra, Sr. Program Manager, Population Foundation of India (PFI), New Delhi
- 10) Mrs. Rajna Mishra, Sr. Research Scientist, Public Health Foundation of India, New Delhi

**42. Give details of student enrichment programmes (Special Lectures / Workshops / Seminar) involving external experts. –**

Organized Workshop on Research Methodology and SPSS Software Applications: N.A.

**43. List the teaching methods adopted by the faculty for different programmes -**

1. Black Board
2. Power Point
3. Interactive Sessions & Group Discussions

**44. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The department used to conduct meeting for the students for daily learning and Development of the Department.

**45. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.): Nil**

**46. Give details of “beyond syllabus and scholarly activities” of the department**

Conducted Special Workshop on Research Methodology and SPSS Software Applications

**47. Briefly highlight the contributions of the department in generating new knowledge, basic or applied**

Supporting the Research Scholars of our department and also other Departments of BU with regard to Research Methodology, Statistical Analysis and Data sharing, etc.

**48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

1. Oldest Departments
2. Always application Oriented Courses
3. Plenty of Opportunities in the Research Institutions (National and International)
4. One can shine in the Teaching Field
5. Very good optional Subject for Civil Service as State Service Examinations.

**Weakness**

1. Lack of Infrastructural Facilities
2. Lack of Manpower (Faculties)
3. Mere P. G. degree will not be that suitable for a decent job.
4. Job oriented Specialization Courses are not available
5. No Campus Recruitment

**Opportunities**

1. One who complete these courses can get jobs in National & International NGOs
2. Well established Social Research Institutions want of Sociologists and Population Studies Scientists
3. Opting Sociology, one can easily get through the State Service & Civil Service Examinations
4. Having very good scope for pursuing Post Doctoral Degree in the National / International Level
5. Well established researchers in these subjects can start their own Research Consultancy Agencies

**Challenges**

1. In the Competitive Academic market, we have to sell it employability Oriented Courses
2. Syllabi and curriculum should be based on current days problems and solving methodology to be adopted
3. Campus placement should to be guaranteed.
4. Application Oriented Courses have to be started to resolve day today problems of the society
5. Academic- Industries relationships have to be maintained so as to get placements in different corporate companies.

**49. Future plans of the department (in terms of new programmes, Research Areas, National / International Collaboration)**

Planning to Start New Innovative Courses in Sociology and Population Studies if need arises, our department will collaborate with other national universities in regard to Specialization

### **Department of Women's Studies**

1. **Name of the Department :** Women's Studies
2. **Year of establishment :** 2004
3. **Is the Department part of a School / Faculty of the University?**  
School of Social Science
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., D.Sc. D.Litt. etc.) :-**
  - M.A., Women's Studies (Regular)
  - M.Phil. / Ph.D. - Full time and Part time
5. **Interdisciplinary programmes and departments involved:-**  
Women and Politics Paper was handled Faculty of Sociology, Bharathiar University.  
Women and Law Paper was handled Legal Advisor, Bharathiar University.
6. **Details of programmes discontinued if any, with reasons:** Nil
7. **Examination System:** Semester under Choice Based Credit System
8. **Participation of the department in the courses offered by other departments:-**  
Entrepreneurship Development Programme for Unemployed Youth of SC/ST and SPSS programme offered by the Department of Extension and Career Guidance & Students Welfare. Interaction Programme for Research Scholars on Research Methodology organized by Academic Staff College.
9. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others)**

Teaching Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	-	-	-
Asst. Professors	2	2	2

10. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. M. Jeyarathnam, Director / Professor (5.5.2008 to 30.06.2013)	M.A., MBA., Ph.D.	Women Entrepreneurship Human Resource Management	22 Years	M .Phil.-3 Ph.D.- 7
Dr. Rupa Gunaseelan, Head-in-Charge (From 30.06.2013 to 24.8.2014)	MBA., M.Sc., Ph.D.	Human Resource Management	17 Years	-
Dr. Zenetta Rosaline, Director / Professor From 25.08.2014 to till date	B.Sc.(Ag), M.B.A, P.G.D.C.A, M.Phil., Ph.D.	Women Entrepreneurship Managerial Skill Development	16 Years	M .Phil.-4 Ph.D.- -
Dr.K.Mangayarkarasi, Assistant Professor	M.A.(Psy)., M.A.(WS)., Ph.D.	Rational Emotive Behaviour Therapy	6 Years	Ph.D.-1
Dr. Kamalaveni, Assistant Professor	M.A.(WS)., M.Sc. (Psy)., M.Phil., Ph.D.	Women and Health	2 Years 4 Years	Ph.D.-7



Dr.S.Kausalya, Research Associate	M.A.,M.A.(WS)., M.Phil., Ph.D.	Emotional Intelligence	6 Years	-
Miss.C.Ramya, Research Associate	M.A.	Women and Health	2 Years	-
Mrs.D.Kalpana, Research Assistant	M.A., M.Phil.,	Women and Society	2 Years	-
Mrs.S.Suganya, Research Assistant	MSW	Human Resource Management	2 Years	-

**11. List of senior Visiting Fellows, adjunct faculty, and emeritus Professors:** Nil

**12. Percentage of classes taken by temporary faculty – programme-wise information:** Nil

**13. Programme-wise Student Teacher Ratio: -**

PG: - 14:3

M.Phil.: - 0:3

Ph.D.: - 8:3

**14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on data**

Administrative Staff	Sanctioned	Filled
Research Associates	2	2
Research Assistant	2	2
Professional Assistant	2	1
Data Entry Operator	2	1
Library Assistant	1	1
Attendant	1	1

**15. Research thrust areas as recognized by major funding agencies:-**

Our thrust area, are in emotional development of women, financial security of women, physical independence and overall empowerment for sustainable development and prospectful living, of rural and urban women.

**16. Number of faculty with ongoing projects from**

a) National: Nil

b) International funding agencies: Nil

**Give the names of the funding agencies, project title and grants received project-wise:-**

Name of the funding Agency	Title of the Seminar	Grants sanctioned
National Commission for women	Matrimonial Property Rights in India	Rs.3,00000/-

**17. Inter-institutional collaborative projects and associated grants received**

a) National collaboration b) International collaboration: Nil

**18. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE, DBT, ICSSR, AICTE, etc.; Total grants received:-**

The Department of Women's Studies is funded by UGC. The Department has received Rs. 46, 90,740/- during XII Plan

**19. Research facility / centre with**

- State recognition National recognition International recognition: Nil

**20. Special research laboratories sponsored by / created by industry or corporate bodies: Nil**

**21. Publications:**

S. No.	Published in Faculty	Dr. ZR	Dr.RG	Dr. M.J.	Dr. K.M.	Dr. K.V.
1	No of Papers Published in Peer reviewed Journals (National / International)	16	13	8	4	13
2	Monographs	-	-	-	-	-
3	Chapter in Books					
4	Edited Books	2	5			
5	Books with ISBN with Details of Publishers		1			

**Details of Edited Book**

Title of the Book	Name of the Authors	Name of the Publication	Year of Edition	ISBN .No
Women and Leadership	Dr.Rupa Gunaseelan Dr.K.Mangryarkarasi Dr.Kamalaveni Mrs.s.Kausalya	Oviya publication	2014	978-81-909890-9-0
STI Awareness Among Women Students	Dr.Kamalaveni	Copress	2014	978-81-922919-6-3

**22. Details of patents and income generated: Nil****23. Areas of consultancy and income generated: Nil****24. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil****25. Faculty serving in a)National committees b International committees c) Editorial Boards: Nil****26. Faculty recharging strategies (UGC, ASC, Refresher /Orientation programs, Workshops, Training programs and Similar programs).**

S.No	Published in Faculty	Dr.ZR	Dr.RG	Dr.M.J	Dr.K.M	Dr.K
1	Training Programme attended	10	2	2	2	
2	Refresher course attended				3	
3	Orientation Programme attended				1	5

**27. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects :-50% of the students
- percentage of students doing projects in collaboration with other universities /industry / institute :- 50% of students

**28. Awards / recognitions received at the national and international level by Faculty Doctoral / post doctoral fellows, Students:-****Faculty**

Dr. Kamalaveni, Assistant Professor won the “Young Woman Educator & Scholar Award” from National Foundation for Entrepreneurship Development (NFED) in 2015.

**Students**

One student from I MA Women's Studies, won first prize in drawing competition and four Students won Special talent prizes in the Competition on “**Livelihood and Safety of Girl child**” conducted by Social Welfare Department, Government of Tamil Nadu on 24 January 2013.

One student from I MA Women's Studies, won Vivekananda “Best student Award” from Vivekananda cultural Academy in 2015.

**29. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any**

S.No	Title of the Activity	Date & Duration	State whether International / National / Regional	Funding Agency	Total no of Participants
1	Faculty Development Programme	15.04.2015	Regional	UGC	25
2	National Seminar on Matrimonial Property Rights	24.03.2015 25.03.2015	National	NCW	150
3	Workshop on "Status of Women's Studies in India"	22.11.14	Regional		150
4	Workshop on "Impact of Indian Social Values towards women education, independence and empowerment"	8.10. 2014	Regional	UGC	200
5	Refresher Course on Human Rights	20.08.2014- 09.09.2014	Regional	UGC	100
6	National level seminar on Women and Leadership	3.3.2014	National	UGC	100
7	Workshop for Friends of Police	27.1.2014- (Ooty) 28.1.2014 (Tiruppur) 29.1.2014- (Erode) 30.1.2014 (Pollachi)	Regional	UGC	921
8	Gender Sensitivity	21.1.2014	Regional	UGC	54
9	Entrepreneurship Development Institute (EDI) Training Programme	21.11.2013- 24.12.2013	Regional	UGC	75
10	Free Medical Camp and Lecturer on Women and Health	23.08.2013	Regional	UGC	500
11	An orientation programme on an Employment Opportunities	23.07.2013	Regional	UGC	50
12	Personality Development	25.05.2013	Regional	UGC	200
13	Seminar on Violence against Women	6.03.2013	Regional	UGC	200
14	Seminar on Gender Sensitization for Police Personnel	26.02.13 to 28.02.13	Regional	UGC	50
17	A Competition on "Livelihood and Safety of Girlchild"	24.01. 2013	Regional	UGC	55
18	Refresher Course in Women's Studies	28.11.2012 - 18 12.2012	Regional	UGC	50
20	Computer Literacy Training	02.05.2012- 08.06.2012	Regional	UGC	40
21	Seminar on Protection of Women from Domestic Violence – Act 2005	20.03.2012	Regional	UGC	250
22	Coaching class on SPSS Package	01.03.2012 to 30.03.12	Regional	UGC	58
23	Competitions on Women Empowerment and Seminar on Women and Environment	04.02.2012 to 24.02.2012	Regional	UGC	500
24	Seminar on Environment Protection	28.10.2011	Regional	UGC	100
25	Programme with American Library	23.09.2011	National	UGC	110
26	Orientation Programme on Women and Law	25.08.2011	Regional	UGC	60
27	Faculty Development Programme on Women's Rights	24.05.2011- 26.05.2011	Regional	UGC	65

28	Conference on Women Entrepreneurship in Tamil Nadu Opportunities and Challenges	04.03.2011	Regional	UGC	300
29	Seminar on Diabetes Mellitus & Thyroid Stom	07.01.2011	Regional	UGC	200
30	Seminar on Reproductive Health	06.12.2010 05.02.2011	Regional	UGC	10,000
31	Workshop on Self Empowerment	19.08.2010	Regional	UGC	20
32	Seminar on Women and Health	05.03.2010	Regional	UGC	100
33	Sensitization Programme on Implementation of Protection of Women from Domestic Violence Act 2005	02.02.2010 & 03.02.2010	National	UGC	200

### 30. Code of ethics for research followed by the departments:-

The research is oriented towards communal development. The societal issues like women reproductive health awareness of life skills for school children, and educating women about their rights in property, matrimonial rights and family rights are the core areas concentrated in the research front.

### 31. Student profile programme - wise:

#### Details of M.A Women's Studies Student in the year of 2014-2015

Courses	Total no of seats availability	Total no of applications received	Total no of seats filled	Male		Female		If any dis-continued
				Within TN	Outside TN	Within TN	Outside TN	
PG	20	16	11	3	-	8	-	-
M.Phil.	10	-	-	-	-	-	-	-
Ph.D.	16	7	7	-	-	7	-	-

### 32. Diversity of students:-

Name of the Programme	Percentage of students from the same university	percentage of students from other universities within the State	Percentage of students from university outside the State	Percentage of students from other countries
PG	90%(9)	%(1)	%(2)	-
M.Phil	-	-	-	-
Ph.D.	10%(1)	90%(5)	-	-

### 33. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

### 34. Student progression:

Student	Percentage against enrolled
PG to M.Phil	80%
PG to PhD	60%
PhD to Post-Doctoral	Nil
Employed	90%
Campus selection	Nil
Other than campus recruitment	90%

### 35. Diversity of staff:-

From the same University	100%
From other University within the State	-
From University from other States	-

**36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** One

**37. Present details of departmental infrastructural facilities with regard to**

- a) Library :- Yes (Total Number of Books:567/Journal1)
- b) Internet facilities for staff and students:- Yes (Computer Laboratory)
- c) Total number of class rooms :- 2 class rooms, size 10 X 10
- d) Class rooms with ICT facility :- No
- e) Student's laboratories :- Laboratory in 21 system, interactive board  
LCD Projector
- f) Research laboratories :- NA

**38. List of doctoral, post-doctoral students and Research Associates**

**a) From the host institution / university:-**

Research Associates	Research Assistants
Dr. S.Kausalya	Ms.S.Suganya
Ms.C.Ramya	Ms.D.Kalpana

From same university	From other institutions / Universities
Kamalvenu.R ,(PT)	Ms.R.Renuka (PT)
Nethra Anand (FT)	Ms.Uma devi, (PT)
J.Santhiya (FT)	Ms.A.Suganthi, (PT)
R.Shuba (FT)	Ms.K.Kanchana, (PT)
P.Kavipriya (FT)	Ms.Gokila (PT)
S.Saraswathy (FT)	Ms.A. Karpagam (PT)
C.Ramya (FT)	---

**Post – doctoral student:** Nil

**39. Number of post graduate students getting financial assistance from the university:-**

Year	Free Education	SC Scholarship	BC Scholarship	Indira Gandhi Single Girl Child Scholarship
2013-2014	-	-	-	1
2014-2015	1	7	1	-

**40. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Nil

**41. Does the department obtain feedback from**

**(a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Based on the feedback from the curriculum is revised according to the need of the hour. Teaching learning method is changed according to the need of the students.

**(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, feedback from students on staff is given more importance and their requirement is filled accordingly.

**(c) alumni and employers on the programmes offered and how does the department utilize the feedback**

Bharathians and employers feedback are discussed in the Board of Studies and the curriculum is filled accordingly

**42. List the distinguished alumni of the department**

Ms. Ramya, Working as a Research associate in the same department.

Ms. Nithya, Ms. Santhiya are working as a counsellor in PSG Hospital, Coimbatore

Ms. Saraswathi, Ms. Kavi Priya and Ms. Subha, Ms. J. Santhiya, are doing Ph.D. in the same department.

**43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Conducted National Seminar on “Matrimonial Property Rights in India” sponsored by National Commission for Women, New Delhi on 24<sup>th</sup> and 25<sup>th</sup> March 2015.
- Conducted one day UGC National Workshop in “Status of Women’s Studies in India” on 22.11.14 by The Department of Women’s Studies, in association with Regional Association for Women’s Studies (RAWS).
- Conducted National Seminar on Women and Leadership on 3<sup>rd</sup> March 2014.
- Organized an orientation programme on 23<sup>rd</sup> July 2013 in “Employment Opportunities for the PG Students of Women’s Studies”.
- Organised the coaching class on SPSS package for Students of MA Women’s Studies from 1<sup>st</sup> to 30<sup>th</sup> March 2012 (Scheduled Castes and Scheduled tribes and Minority Communities).

**44. List the teaching methods adopted by the faculty for different programme:-**

Power Point Presentation, Short Films and Lecture.

**45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

We will get feedback from the students and changes will be done accordingly.

**46. Highlight the participation of students and faculty in extension activities?**

- Organized a One day Faculty Development Programme on “Gender Sensitization for college Teachers “on 15<sup>th</sup> April 2015 at Nachimuthu Seminar Hall.
- The Department along with, Rao Hospital, Coimbatore, organized an awareness programme on cervical cancer at VLB College of Arts and Science, Coimbatore.
- The Department along with Rao hospital jointly organized Free Medical Camp at Nanjanadu village, Ooty on 22-02-2014.
- The Department was conducted Seminar on Harassment at work place on 5<sup>th</sup> Feb 2014 at SNMV college.
- Computer Literacy Training for school students was conducted for six weeks from 2<sup>nd</sup> May to 8<sup>th</sup> June 2012 with an approved syllabus for level I and level II of MS office 2007. Around 25 students benefitted out of the programme.

**47. Give details of “beyond syllabus scholarly activities” of the department: -**

Extension and Research Internship, Field Practicum and conducting awareness programme

- The department along with Integrated Child Development Scheme Government of Tamil Nadu organized an awareness program on “Nutrition and Health for Adolescent Girls “on 18.2.2013 to 21.2.2013 & 04.03.2013.
- Conducted Computer Literacy training for school students for six weeks from 2<sup>nd</sup> May to 8<sup>th</sup> June 2012 at Department of women’s studies Bharathiar University.
- The Department organised the coaching class on SPSS package for Students from 1<sup>st</sup> to 30<sup>th</sup> March 2012 for Scheduled Castes and Scheduled Tribes and Minority Communities.

**48. State whether the programme/ department is accredited/ graded by other agencies?**  
If yes, give details: Nil

**49. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. :-**

- The department along with Rao hospital organized an Awareness programme on Cervical Cancer on 30.9.2014.
- The Department organized two days seminar on Matrimonial Property Rights at Nachimuthu seminar hall, Bharathiar University on 24 .03.2015 & 25.03.2015.

**50. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

**Strengths**

- Women studies programme is exclusively for women education & empowerment
- The department is funded by the UGC from X plan onwards. The department programme is giving opportunity to reach the society through extension and training.

**Weakness**

- BA Women's studies course is essential to enhance for teaching in higher education.
- Women's Studies course need more awareness in right way.

**Opportunities**

- According to XII plan guidelines Women's studies programme have four phases and moving from one phase to next phase, shows development of the department with enhancement of funds.
- Moving from one phase to another phase expands the size of the department.
- Women's studies programme offers more space to research at grass root level to reach the community.

**Challenges**

- The department appoints faculty based on the plan guidelines as tenure post. Due to that no permanence in the department, creates lack of continuity in action.
- Getting students for MA women's studies is little difficulty due to lack of awareness & myths about the course.
- TamilNadu Government conducts state eligibility test (SET) for lectureship, women's studies should too include in that examination.
- MA Women's studies course need to recognize through government sectors. Education department for employment opportunity.

**51. Future plans of the department**

**Major Thrust**

**Teaching**

- To start a community development centre for women.
- To introduce B.A. Women's Studies (Regular/Distance)
- To introduce Certificate / Diploma course in women's Studies.

**Training**

- The department offers computer literacy programme level III for community women who are completed their camp course in level I & II from our department.
- The department have planned to conduct Entrepreneurship Training for Women in collaboration with Kay Jay Sharp Trendys.
- The department organise Refresher Course in Women's Studies (multidisciplinary) in association with Academic Staff College from X plan onwards.

**Research / Field Action Projects**

- The department doing research in Health, legal rights, entrepreneurship and gender issues in collaboration with NGOs, industries, other universities and community through funded projects and action projects.

**Extension Activities**

- The department is doing extension activities as per the UGC guidelines of XII plan , it includes seminar ,workshops conferences, orientation programme at regional, national, international level.

**Publications**

- The department released Newsletter V edition.



### **Department of Tamil**

1. **Name of the Department :** Department of Tamil
2. **Year of establishment :** 1985
3. **Is the Department part of a School / Faculty of the University?**  
School of Tamil and other Indian Languages / Faculty of Tamil
4. **Name of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Lit., etc.)**
  1. Diploma Course in Tamil for Foreign Student
  2. M.A. Tamilology
  3. M.Phil.
  4. Ph.D.
5. **Details of programmes discontinued, if any, with reasons :** Nil
6. **Examination System : Annual/Semester/Trimester/Choice Based Credit System**  
Semester - Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	-	-	CAS - 3
Associate Professor	1	1 -2009	1
Assistant Professor	6	3	1
Assistant Professor UGC XI Plan	1	1 -2011	1

8. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research		No. of Ph.D. /M. Phil. guided
Dr.S.M. Ravichandran, Professor and Head	M.A. Ph.D.	Folk Lore, Tamil Epics	26	29	25 / 60
Dr. V.Jeya, Professor	M.A.M.A., M.Phil. Ph.D. B.Ed.	Stylistics, Bakthi Literature, Folklore, Mass Communications	24	27	32 / 70
Dr. D.Gnana Sekaran, Associate Professor	M.A. M.Phil Ph.D.	Folklore, Ancient Literature Social History, Modern Literature	24	25	32 / 70
Dr.S. Chitra, Associate Professor	M.A., M.Phil. Ph.D PGDJMC	Modern Literature, Sangam Literature	21	21	23 / 50
Dr.O. Bala Krishnan, Assistant Professor	M.A., M.Phil Ph.D.,	Traditional Grammar, Modern Literature, Scientific Tamil	21	27	18 / 85
Dr.S. Thangamani, Assistant Professor	M.A., M.Ed. Ph.D	Tamil Epics, Mediaeval Literature, Ikkala Ilakkiyam	11	11	02 / 15
Dr. R.Jeyaraman Associate Professor 2005 - 2011	<b>Dr.R. Jeyaraman joined as Professor in Thiruvalluvar University during the year 2011. He is relieved from Bharathiar University service.</b>				6 / 15
Dr. M.Jeeva Assistant Professor	<b>Dr.M. Jeeva joined as Associate Professor in Pondicherry University during the year 2012. She is relieved from Bharathiar University service.</b>				6 / 16

- 9. List of senior Visiting Fellows, adjunct faculty, emeritus professors :** Nil
- 10. Percentage of classes taken by temporary faculty – programme-wise information**  
M.A. Tamilology - 16%  
M.Phil. - 16%
- 11. Programme-wise Student Teacher Ratio**  
M.A. Tamilology : 9:1 M.Phil. – 4:1 Ph.D. – 8:1
- 12. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date :**  
Administrative Staff - 1  
Daily wages staff - 1
- 13. Research thrust areas as recognized by major funding agencies :** Kongu Region
- 14. Number of faculty with ongoing projects :** Nil
- 15. Inter-institutional collaborative projects and associated grants received:** Nil  
a. National collaboration b) International collaboration
- 16. Department projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**  
Multifaceted Folklore Survey of Kongu Folklore (Phase - I) - UGC SAP DRS 1  
01.04.2007 to 29.02.2012, UGC SAP DRS-I - 22.5 Lakhs  
Multifaceted Folklore Survey of Kongu Folklore (Phase - II) - UGC SAP DRS II 54.7 Lakhs  
Research facility / centre with: Nil
- 17. Special research laboratories sponsored by / created by industry or corporate bodies:** Nil
- 18. Publications:**  
\* **Number of papers published in peer reviewed journals (national / international)**

S.No.	Published in Faculty	Dr. S.M.R	Dr.V.J	Dr.D.G	Dr.S.C	Dr. O.B	Dr. S.T
1	No. of papersPublished in Peer Reviewed Journals (National/ International)	8 / 0	12/ 3	3 / 2	19 / 3	7 / 0	5 / 0
2	Monographs	-	-	-	-	-	-
3	Chapter in Books	-	-	-	-	-	-
4	Edited Books	10	08	10	10	08	1
5	Books With ISBN with Details of Publishers	4	4	6	6	4	1
6	No Listed in International Database	-	-	-	-	-	-
7	Citation Index – Range/ Average	-	-	-	-	-	-
8	SNIP-SJR	-	-	-	-	-	-
9	Impact Factor - Range/	-	-	-	-	-	-
10	H-Index	-	-	-	-	-	-
11	ISSN Journal	-	2	-	2	-	-

- 19. Details of patents and income generated :** Nil
- 20. Areas of consultancy and income generated :** Nil
- 21. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** Nil

**22. Faculty serving in**

a) National committees b) International committees c) Editorial Boards d) any other (please specify) -

Any other

Dr V. Jeya - Senate Member in Tamil University, Thanjavur (2012 to 2015 May)

Dr D. Gnanasekaran Syndicate member in Periyar University, Salem (2012 to 2015)

**23. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

Dr S. Thangamani	Refresher course in Tamil Organized by ASC & Dept. of Tamil, BU, Cbe	09.06.2011 – 29.06.2011	Participant
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**24. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects - **100% (PG Students have to complete a project work in fourth semester)**
- percentage of students doing projects in collaboration with other universities / industry / institute – Nil

**25. Awards / recognitions received at the national and international level by Faculty**

- Dr.D.Gnanasekaran, Kalaimamani Awarded by Govt. of Tamilnadu in the year 2010.
- Students**
- Elocution Competition regional and national level - First and Second Prize - 2012 and 2013
- Dance Competition - Second and First Prize - 2012 and 2013
- Tamil writing competition - First and Third Prize - 2012 and 2013
- Tamil writing competition - First and Third Prize - 2014 and 2015

**26. Seminars / Conferences/Workshops organized and the source of funding (national / international) with details of participants :**

Conference / Seminar / Workshop	Period	Funding	No of Participants
National Seminar on 21 <sup>st</sup> Century Tamil Poetry-Current Trend	02-02-2010	Sahithya Academy	150
WorkShop on Sillappathikaram – Art & Culture	16-02-2010 to 25-02-2010	CICT, Chennai	60
National Seminar on Kongu Folk life & Material Culture	17-02-2010 to 18-02-2010	UGC SAP-DRS-I	160
National Seminar on Bharathi	10-02-2011 to 11-02-2011	UGC XI Plan (University)	120
National Seminar on Current trends in Tamil Folklore	16-02-2012 to 17-02-2012	UGC SAP-DRS-I	130
Workshop on Remedial Course For NET / SET	13-02-2012 to 25-03-2012	UGC XI Plan (University)	60
National Conference on Folklore	06-06-2013 to 08-06-2013	FOSSILS	180
National Seminar on Bakthi Illakkiam	02-12-2013 to 05-12-2013	UGC XII Plan (University)	90
Workshop on Research Methodology	16-12-2013 18-12-2013	UGC XII Plan (University)	70
Refresher Course on Currents Trends in Creativity and Criticism Of Modern Tamil Literature	09-06-2011 to 29-06-2011	UGC	33
Refresher Course on Current Tamil Research Methods In Modern Literature	08-05-2012 to 28-05-2012	UGC	28

Refresher Course on Current Research Trends in Modern Literature	17-07-2013 to 06-08-2013	UGC	30
Refresher Course on Trends of Tamil Literature	06-11-2014 to 26-11-2014	UGC	70
National seminar on Medieval Literature	04-01-2015 to 06-01-2015	UGC XII Plan (University)	120

## 27. Code of ethics for research followed by the departments

- ✓ To ensure the authority of the empirical data obtained by the researchers, the faculty members verify the data at the field.
- ✓ Before submission of thesis and publication of research papers the researchers have to submit their research findings in the research circle organized every Thursday at our department. The originality of the research is ensured besides avoiding Plagiarism

## 28. Student profile programme-wise:

Name of the Program	Year	Applications Received	Selected		Pass Percentage	
			Male	Female	Male	Female
P.G.	2014-2015	18	07	05	100	100
M.Phil.	2014-2015	19	10	09	100	100
Ph.D.	2014-2015	10	03	00	100	100
PGDiploma Course Spl. Ref. to Foreign Students (Chinese)	2014-2015	01	--	01	--	100

## 29. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG	70%	29%	1%	-
M.Phil	80%	19%	1%	-
Ph.D	78%	20%	2%	-
Diploma Course in Tamil for Foreign Student	-	-	-	1 Candidate

## 30. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Category	JRF	NET	SET
2010 -2015	BC	11	15	04
2010 -2015	MBC	04	09	--
2010 -2015	SC	05	15	--
2010 -2015	ST	--	01	--
2010 -2015	OC	--	01	--

## 31. Student progression

Student	Percentage against enrolled
PG to M.Phil.	85%
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	Nil
Employed Campus selection	92%
• Other than campus recruitment	
Entrepreneurs	2%

**32. Diversity of staff**

Percentage of faculty who are graduates	
From the same University	50
From other Universities within the State	50
From Universities from other States	-
From Universities outside the Country	-

**33. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil****34. Present details of departmental infrastructural facilities with regard to**

- a) Library - Yes
- b) Internet facilities for staff and students - Yes
- c) Total number of class rooms : 5
- d) Class rooms with ICT facility : NIL
- e) Students' laboratories - NIL
- f) Research laboratories - Yes, Computer Lab

**35. List of doctoral, post-doctoral students :**

- g) from the host institution/University : Nil
- h) from other institutions/Universities : Research Associates **Dr.J. Joseph Anotnyraj, Dr.S. Navaneethakrishnan - SAP Project Fellows (2010-2013)**

**36. Number of post graduate students getting financial assistance from the university.**

Year	No of Student
2010—2011	02
2011—2012	02
2012—2013	02
2013—2014	02
2014—2015	02

- Free Education for poor student is given for one candidate per year
- Kamarajar Endowment Scholarship is given for the first rank student in PG per year
- Dr.Sirpi Gold medal Endowment give one gold coin for first rank student per year
- Dr.K.M. Marimuthu gold medal Endowment is given for the first rank student in PG per year
- Tamilzhasriyar, Vidwan P. Ramachandran gold medal Endowment is given for the first rank student in PG per year

**37. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes. Before introducing the PG Program, a need assessment has been done in following manner.

- ✓ The knowledge requirement of Tamil has been identified from the domain at which they are to be placed.
- ✓ The students Feedback has been regularly done to modify the syllabus and make it suitable for employability.
- ✓ Experts from Industries, Academic, Alumnis and Subject experts have designed and evaluated and feasibility of course and course content.

**38. Does the department obtain feedback from**

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Periodical faculty meeting has been arranged to discuss relevance of curriculum and

the methods of teaching by in house teachers and method of learning adopted by the students and evaluation strategies followed. The discussion has yielded fruitful suggestions for bettering the above.

- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Every teacher has given complete autonomy to the student to command on the performance of staff and on teaching-learning evaluation methods. A separate feedback form is given to students to articulate their feelings. Based on their feedback necessary modification have been done.

- c) alumni and employers on the programmes offered and how does the department utilize the feedback?

The Board of study include the alumni, industrialist and subject expert to design and reengineering the course curriculum and syllabus. They ensure the social and occupational relevant of the subjects being taught.

### 39. List the distinguished alumni of the department (maximum 10)

1. Dr.C. Subramaniam - Former Vice Chancellor, Tamil University and Former Registrar, Bharathiar University
2. Dr.V. Maruthasalam (Principal Thavathiru Santhalinga adikalar Arts and Science College, Perur)
3. Dr.K. Muppalmanni, (Rtd)., HOD Dept. of Tamil, Govt. Arts College, Cbe
4. Dr.M. Natarajan, (Rtd)., Novel Writer, Dept. of Tamil, Govt. Arts College, Cbe
5. Dr. M. Maruthasalam, (Rtd)., Dept. of Tamil, Govt. Arts College, Cbe (Surya Kanthan, Novel Writer)
6. Dr.M. Kirubakaran, HOD, Dept. of Tamil, P.S.G. College of Arts And Science, Coimbatore
7. Dr. R. Santhakumari, Principal, Pioneer Art and Science College, Coimbatore
8. Dr.P.M. Palanisamy, HOD, Dept. of Tamil, N.G.M. College
9. Dr.T. Periyasamy, Professor and Head, Dept. of Tamil, Periyar University, Salem
10. Dr.C. Sundarambal, Professor, Avinashilingam Deemed University, Coimbatore

### 40. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Year	Special Lectures	Workshop	Seminar
2010	06	01	03
2011	06	02	04
2012	12	02	04
2013	06	01	04
2014	10	01	05
2015	06	--	01

### 41. List the teaching methods adopted by the faculty for different programmes.

Teaching method in Multimedia for PG students  
 Training in Field study  
 Conversation method  
 Training in Computer

### 42. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The syllabus of the PG program has been designed so as to equip the students to have the skills required for serving as Tamil in the contest of the world in general and India in

question. The changing need of the dynamic society is observed and it is incorporated into syllabus then and there are there by job opportunities of pass outs or ensured.

**43. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).**

**Faculty :**

1. The department Staff and students rendered their assistant to Co-ordinate to prepare Alanagara Oorthigal and all the academic sessions of the World Classical Tamil Conference with the help of more than 300 Tamil faculties and Student Volunteers from the Bharathiar University affiliated colleges from 22.06.2010 to 26.06.2010.
2. Faculty members delivered special lectures in all India Radio, socially relatevent TV programmes.

**44. Give details of “beyond syllabus and scholarly activities” of the department.**

Weekly Research circle meeting in our department at every Tuesday and Thursday.

**45. State whether the programme/department is accredited / graded by other agencies? If yes, give details: Nil**

**46. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

To inculcate interest in field work oriented research work among Tamil students, DTP training with adobe pagemaker was given for field work.

**47. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strengths	Weaknesses
<ul style="list-style-type: none"> <li>✓ Faculty member scholarship in ancient Tamil literature, Grammar, Epics, Modern Literature</li> <li>✓ Specialization in Folklore and Kongu studies</li> <li>✓ UGC Special Assistance to the department (SAP DRS I and DRS II)</li> <li>✓ Sufficient infrastructures like Seminar Hall, Smart Class Room, Library and Computer Lab</li> <li>✓ More than Seven Endoments</li> </ul>	<ul style="list-style-type: none"> <li>✓ Inadequacy of Faculty members</li> <li>✓ Inadequacy of office staff and Department Librarian</li> <li>✓ Insufficient English skill among Tamil students</li> </ul>
Opportunities	Challenges
<ul style="list-style-type: none"> <li>✓ Placement opportunities in Teaching profession for Tamil students</li> <li>✓ Placement opportunities in advance Research Institutions like CICT, CIIL,</li> <li>✓ Placement opportunities in Foreign Universities in Malasiya, Singapore, Mauricio's</li> </ul>	<ul style="list-style-type: none"> <li>✓ Suitable Skill development for the requirement of current media</li> <li>✓ Development of creative talent Training in Language skill development other than Tamil</li> <li>✓ Personality development</li> </ul>

**48. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

**New Courses**

M.A. in Applied Tamil

PG Diploma Courses in South Indian Languages like Telugu, Malayalam and Kanada

P.G. Diploma in Tamil Theatre

**Museum**

Kongu Archives

**Research Centre**

Research Centre for Bharathi studies

### **Department of Human Genetics and Molecular Biology**

1. **Name of the Department:** Human Genetics and Molecular Biology
2. **Year of establishment:** June 2014
3. **Department comes under:** School of Life Sciences, Faculty of Science
4. **Names of programmes offered (PG, M.Phil., Ph.D., Diploma etc.):**  
M.Sc. in Human Genetics and Molecular Biology  
M. Phil., Ph. D. in the next academic year
5. **Details of programmes discontinued, if any, with reasons:** Nil
6. **Examination System: Annual / Semester / Trisemester / Choice based Credit System**  
Semester Pattern under Choice based Credit System
7. **Participation of the department in the courses offered by other departments:**  
Yes, Supportive Courses
8. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) till date**

Teaching Post	Sanctioned	Filled	Actual (including CAS & CDS)
Professor	NIL	NIL	NIL
Associate Professors	1(2014)	1 (2015)	1
Asst. Professors	2 (2014)	2 (2015)	2

9. **Faculty profile with name, qualification, designation, area of specialization, total experience - research guidance and teaching**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr. M.V. Usharani Professor & Head i/c	M.Sc., Ph.D	Environmental Genetics	27 years & 30 years	--
Dr. A. Vijaya Anand Associate Professor	M.Sc., M.Phil., Ph.D.	Biochemistry	16 years & 5 years	--
Dr. R. Sivasamy Assistant Professor	M.Sc., Ph.D.,	Biotechnology (Cancer Biology)	2 years & 2 years	--
Dr. P. Vinayaga Moorthi Assistant Professor	M.Sc., M.Phil., Ph.D.	Zoology	9 Months (Research)	--

10. **List of senior Visiting Fellows, temporary faculty, emeritus professors:**

S. No	Temporary faculty
1.	Dr. V. Balachander*
2.	Dr. S. Kamalakannan*
*August 2014 to April 2015	

11. **Percentage of classes taken by temporary faculty – programme-wise information**  
M.Sc. : Environmental Sciences : 70%
12. **Programme-wise Student Teacher Ratio:** M. Sc.: 8 : 1
13. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual as on date:** Nil
14. **Research thrust areas as recognized by major funding agencies:** Nil



**15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil**

**16. Inter-institutional collaborative projects and associated grants received**

a. National collaboration b) International collaboration : Nil

**17. Departmental projects funded by DST-FIST; CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil**

**18. Research facility / centre with: Nil**

**19. Special research laboratories sponsored by / various functioning agencies: Nil**

**20. Publications: Nil**

- \* Number of papers published in peer reviewed journals (national / international):
- \* Monographs:
- \* Chapters in Books:
- \* Edited Books :
- \* Books with ISBN with details of publishers :
- \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):
- \* Citation Index – range / average:
- \* SNIP
- \* SJR
- \* Impact Factor – range / average =
- \* h-index :

**21. Details of patents and income generated: Nil**

**22. Areas of consultancy and income generated: Nil**

**23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad (Year-wise, faculty-wise, Institutions, purpose etc.)**

**24. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)**

Name	Serving In
Dr. M. V. Usha Rani	<b>Executive Member,</b> Environmental Mutagen Society of India <b>Editorial Board</b> Food and Drug Toxicology Journal of Environmental Biology Journal of Weight loss therapy
Dr. A. Vijaya Anand	<b>Technical Editor</b> Asian Journal of Biochemistry Current Research in Cardiovascular Pharmacology International Journal of Pharmacology Journal of Medical Sciences Journal of Biological Science <b>Reviewer</b> Proceedings of the National Academy of Science, Biological Sciences (Springer)

**25. Faculty recharging strategies (UGC, Refresher / orientation programs, workshops, training programs and similar programs – Duration place, dates, purpose).**

Name	Orientation programs
Dr.R.Sivasamy Dr.P. Vinayaga Moorthi	Attended one day (27.04.2015) orientation programme conducted by UGC Academic Staff College, Bharathiar University, Coimbatore

**26. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects : 60%
- percentage of students doing projects in collaboration with other universities / industry / institute : 40%

**27. Awards / recognitions received at the national and international level by (Name of the award, year, agency grantee, purpose)**

- Faculty
- Doctoral / post doctoral fellows

**28. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of participants,**

**29. Code of ethics for research followed by the departments**

Whenever permission is required and it was obtained from the ethical committee for obtaining blood samples and for handling animal samples for conducting research.

**30. Student profile programme-wise:**

Name of the Programme	Applications received	Selected Male Female	Pass percentage Male Female
M.Sc. (2014-15)	50	M- 5, F - 14	Pursuing
M.Sc. (2014-15)	43	M-2 F-12	Pursuing
M.Phil.	Next Academic year		
Ph.D.Scholar	Next Academic year		

**31. Diversity of students**

Name of the Programme	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other Countries
M.Sc. 2014-15	15	30	50	5

**32. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil**

**33. Student progression – In process of pursuing M.Phil. & Ph.D.**

**34. Diversity of staff**

Percentage of faculty who are graduates	
From the same University	25%
From other Universities within the State	50%
From Universities from other States	25%
From Universities outside the Country	Nil

**35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**36. Present details of departmental infrastructural facilities with regard to**

- a. **Library** - Centralized common library
- b. **Internet facilities for staff and students** - Yes, through local area network lines in the department and WiFi in the University.
- c. **Total number of class rooms-** 2
- d. **Class rooms with ICT facility** - 2
- e. **Students' laboratories** –1 lab  
**Research laboratories** – 1 (Human Cytogenetics)  
**List of doctoral, post-doctoral students and Research Associates** - Nil

i) **from the University:**

j) **from other institutions/Universities:**

**37. Number of post graduate students getting financial assistance from the state government / UGC / private trust / others:**

2014-15: 4 Indira Gandhi Single Girl Child Fellowship

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Need Assessment is not done

**39. Does the department obtain feedback from**

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - YES
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - Yes, there is a semester wise evaluation of teachers, using the Questionnaire, developed by IQAC itself.
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback? – Yet To Implement

**40. List the distinguished alumni of the department (maximum 10):** Nil

**41. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

S.No	Name & Address of the Guest Lecturer / Visiting Faculty	Date	Topic on which the lecture is delivered	Significance of the Programme
1	Dr. Radha Saraswathy Senior Professor School of SBST Division of Genetics VIT, Vellore.	1.11.2014	Medical Genetics	To impart the knowledge in clinical cytogenetics
2	Dr. P. Venkatachalam Associate Professor, Dept. of Genetics Sri Ramachandra University, Porur, Chennai	7.11.2014	Human Cytogenetics	To impart the knowledge in lymphocyte culturing and significance
3	Dr. Sudha Associate Professor, Dept. of Biochemistry, Periyar University, Salem	8.11.2014	Carbohydrates & proteins metabolism	To give latest information in protein metabolism

4	Dr. P. Ekambaram Assistant Professor Dept. of Biotechnology, Bharathiar University, Coimbatore.	14.02.2015	Animal cell cultures and Transgenic Animals	Significance of Animal Cell cultures
5	Dr. D Nataraj Assistant Professor, Dept. of Physics, Bharathiar University, Coimbatore.	18.02.2015	Advances in Nano Bioscience	Significance of nanomaterials in diagnostics
6	Dr. M. C. Harish Assistant Professor Dept. of Biotechnology, Thiruvalluvar University, Vellore, TN.	23.02.2015	Principles of Gene Cloning	Advanced Techniques in Molecular Genetics

**Workshops: NIL**

**42. List the teaching methods adopted by the faculty for different programmes.**

- Usual classes involving power point presentations, chalk-talk method and student seminars for PG students.
- Classes with power point presentations and student seminars and organizing special lectures for PG & Research scholars (both M. Phil. and Ph.D.).
- Audio Visual Aids, Seminars, Group Discussions, Assignments, Projects, Workshops, Industrial Visits and field trips.

**43. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through continuous evaluation by internal assessments, assignments, student seminars.
- The first year PG students are undertaking summer projects and Second year PG students carry out their projects in various hospitals and research institutes and other university departments.

**44. Highlight the participation of students and faculty in extension activities (Year, Nature, Outcome etc.).** yet to implement

**45. Give details of “beyond syllabus and scholarly activities” of the department:** Nil

**46. Visiting remote villages for Creating Awareness in the activity practiced to take the students beyond syllabus-** Yes, Genetic Counselling for tribals at Ooty / Coonoor.

**47. State whether the programme / department is accredited/ graded by other agencies? If yes, give details:** No

**48. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:** Nil

**49. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**50.**

Major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. –New Dept. hence, will progress in future

**51. Future plans of the department (in terms of new programmes, research areas, national / international collaboration).**

To become a leading University Department in the state & country through highest

standards of teaching, research, creative expression and service to the community, the department plans to focus its research activities in the following thrust areas during the coming years. The thrust areas are:

- Human Cytogenetics
- Molecular & Cancer Genetics
- Stem cell Research
- Genetic Counselling
- Genomics & Proteomics
- Population Genetics
- Pharmacogenetics

**Department of Library and Information Science**

1. **Name of the Department :** Library and Information Science
2. **Year of establishment :** 2009 – 10
3. **Department comes under:** School of Social Sciences
4. **Names of programmes offered :** PG., M.Phil., & Ph.D., (FT / PT)
5. **Details of programmes discontinued, if any, with reasons :** Nil
6. **Examination System:** Semester under Choice Based Credit System
7. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others)**

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	Nil	Nil	Nil
Associate Professors	Nil	Nil	Nil
Asst. Professors	Nil	Nil	Nil
Others	Nil	Nil	Nil

8. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name & Designation	Qualification	Specialization	Experience in Teaching & Research	No. of Ph.D. / M. Phil. guided
Dr.R. Sarangapani, University Librarian	M.Com., M.L.I.S., Ph.D.	User Study, ICT & Bibliometric	22 Years	05 guided
Dr.N. Thirunavakkarasu, Asst. Librarian	M.A., M.Sc., M.L.I.S., M.Phil., Ph.D., PGDCA	User Study, ICT & Bibliometric	10 Years	Nil
Dr.M. Uma, Asst. Librarian	M.A., M.L.I.S., PGDCA, Ph.D.,	Document Processing	10 Years	Nil
Mr.V.Rajendran, Asst. Librarian	M.A., M.L.I.S., M.Phil. PGDCA UGC-Net	Application of ICT in Libraries	10 Years	Nil

9. **List of senior Visiting Fellows, adjunct faculty, emeritus professors :** Nil
10. **Percentage of classes taken by temporary faculty – programme-wise information:** 100%
11. **Programme-wise Student Teacher Ratio :** 1:5
12. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :** Nil
13. **Research thrust areas as recognized by major funding agencies :** Nil
14. **Number of faculty with ongoing projects from:** Nil
15. **Inter-institutional collaborative projects and associated grants received :** Nil
16. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. :** Nil
17. **Research facility / centre with : State / National recognition:** Nil
18. **Special research laboratories sponsored by / created by industry or corporate bodies :** Nil

**19. Publications:****Number of papers published in peer reviewed journals (National / International)**

- R. Sarangapani (2014) Evaluation of Information use in Karunya University Business School Library. Proceeding of National Conference organized by Bharathiar University.
- R.Sarangapani, (2010) “The various Role and Responses of Public Libraries in India”, Proceeding of National Seminar organized by Annamalai University, Annamalai Nagar, Page No.: 173-175, (ISBN-978-81-908455-2-6).
- R.Sarangapani, (2010) “Planning and Implementation of RFID Technology in Academic Library”, Proceeding of National Conference organized by Sri Krishna College of Engineering & Technology, Coimbatore, on 19-21 August, 2010.
- R.Sarangapani, “Web 2.0 Tools and Techniques for Information Service in Corporate Library”, Proceeding of National Seminar Organized by Annamalai University.
- R.Sarangapani, (2012) “A Bibliometric Analysis of Indian Journal of Engineering & Technology, Proceeding of UGC –SAP National Seminar Organized by Annamalai University, Chidambaram.
- R.Sarangapani, (2013) “ Use of E-Resources in the Arignar Anna Central Library at Bharathiar University, Coimbatore: A User Survey”, Organized by Alagappa University, Karikudi.
- N.Thirunavukkarasu (2014) Research Trends & New Paradigm in Library & Information Science in Proceeding of National Conference organized by Bharathiar University
- N.Thirunavukkarasu (2014) Academic library planning in higher education resurgence: role of e-resource proceeding of National Conference organized by Gobi arts college, Gobi,
- Books with ISBN with details of publishers :

No.	Author	Name of the Book	Publisher / Place	Year
1	Dr.C.Bakaran Dr.R.Sarangapani Mr.C.Isravel	Information Literacy Expertise	SCITECH Publication INDIA Pvt. Ltd, Chennai	2011

**20. Details of patents and income generated : Nil****21. Areas of consultancy and income generated : Nil****22. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil****23. Faculty serving in Editorial Boards:**

Name of the Faculty	Name of the Journal	Publishers / Place/ISSN
Dr.R.Sarangapani	International Journal of Information Retrieval and Management	Intelligent Research Publication / Chennai / 2320-2548

**24. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

- Attended Refresher Course in Library and Information Science on 27<sup>th</sup> Jan, 2010 to 16<sup>th</sup> Feb, 2010 at Academic Staff College, Pondicherry University

**25. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects : Nil
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

**26. Awards / recognitions received at the national and international level by**

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students : Nil

**27. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Conducting two days National Conference on “Research Trends in New Paradigms in Library and Information Science” at Bharathiar University from 20.02.2014 to 21.02.2014

**28. Code of ethics for research followed by the departments : Nil**

**29. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.L.I.Sc.,	07	03	03	100%	100%

**30. Diversity of students**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.L.I.Sc.,	04	02	Nil	Nil

**31. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations?: Nil**

**32. Student progression**

Student Progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	New Department
PG to Ph.D	New Department
Ph.D. to Post-Doctoral	New Department
Employed	Nil
• Campus selection	
• Other than campus recruitment Entrepreneurs	
Entrepreneurs	-

**33. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	Nil
from universities from other States	Nil
from universities outside the country	Nil

**34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**

**35. Present details of departmental infrastructural facilities with regard to**

a) Library :

No.	Particulars	Volumes	No.	Particulars	Volumes
1	No. of books available	995	8	No. of titles available	302
2	Books added during the year 2014	274	9	No. of CDs and Digital Books available	-
3	No. of Indian Magazines	02	10	No. of Foreign Magazines	-



4	No. of data bases available	02	11	No. of Online Journals	-
5	No. of Indian Journals	105	12	No. of Foreign Journals	10
6	Average No. of students visiting the Library per day	177	13	Average No. of books Issued per day	112
7	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	2GP mbps	14	Availability of Language Lab	Yes

- b) Internet facilities for staff and students : **Yes**  
 c) Total number of class rooms : **Two**  
 d) Class rooms with ICT facility : **One**  
 e) Students' laboratories : **One**  
 f) Research laboratories : **One**

**36. List of doctoral, post-doctoral students and Research Associates**

- a) from the host Institution / University : Nil  
 b) from other Institutions / Universities : Nil

**37. Number of post graduate students getting financial assistance from the university. : Nil**

**38. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : Nil**

**39. Does the department obtain feedback from : Yes**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Questionnaire Method  
 b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Questionnaire Method  
 c. alumni and employers on the programmes offered and how does the department utilize the feedback?  
 The feedback obtained is used for construction of Curriculum and updating of syllabus

**40. List the distinguished alumni of the department (maximum 10) : Nil**

**41. List the teaching methods adopted by the faculty for different programmes.**

1. Block Board Method, 2. ICT Power Point Method

**42. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? : Not yet started**

**43. Highlight the participation of students and faculty in extension activities. : Nil**

As NSS volunteers the students are involved in many activities

**44. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : No**

**45. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths**

- Well furnished Library
- Good infrastructure facilities
- Well equipped INFLIBNET Lab with e – resources

**Weakness**

- No sufficient class room
- No sufficient faculty members
- No awareness on the importance of Library and Information Science among Students

**Opportunities**

- Campus placement programme
- Personality development programme
- National / International level seminar / conferences

**Challenges**

- Getting fund from agencies
- Getting International recognition
- Exponential growth of Colleges and Universities

**46. Future plans of the department.**

- ✓ Indent to apply for funds for conducting major projects from various funding agencies
- ✓ The plan to introduce collaboration research programme with Internationally reputed institution
- ✓ Bringing International experts in the field of Library and Information Science to the department with a view to faculty exchange among the institution