

# **BHARATHIAR UNIVERSITY: COIMBATORE-641046**

## **INTERNAL QUALITY ASSURANCE CELL**

### **FORMAT FOR DEPARTMENT ACADMEIC AUDIT [2021-2022]**

**Name of the Department : STATISTICS**

**Date : 24.09.2022**

#### **Name, Designation and Address of Academic Audit Experts:**

- **Dr. K. Senthamarai Kannan**

Senior Professor & Head, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli 627012.

- **Dr. Tamil Chelvam**

Senior Professor & Head, (Retired), Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli 627012.

#### **Faculty Members Present:**

**Dr. R. Vijayaraghavan**  
Professor and Head

**Dr. R. Jaisankar**  
Professor

**Dr. R. Muthukrishnan**  
Professor

**Dr. K. M. Sakthivel**  
Associate Professor

**Dr. V. Kaviyarasu**  
Assistant Professor

**Dr. K. Pradeepa Veerakumari**  
Assistant Professor

**Dr. S. Jayalakshmi**  
Assistant Professor

**Dr. S. GandhiyaVendhan**  
Assistant Professor

Criterion	Items	Verification Yes / No	Comments	Suggestions for improvement
<b>I. Curriculum</b>	Steps followed in the designing of syllabus & Curriculum	Yes	Details are given in the Minutes of BOS and are approved by SCAA	Feedback of the students can also be included in the minutes
	Contents of the Curriculum	Yes	Contents are uploaded in the university website in detail.	Steps may be initiated to distribute the objectives of the course to the students.
	Validation done	Yes	Contents are validated and references are wider.	Views of the experts from abroad may be documented for ensuring global standard
	Credits allotted / distribution – logic	Yes	Scheme of examinations and the structure of the syllabus include the credits in a clear manner.	NIL

<b>Curriculum Transaction</b>	Teaching Methods & Teaching aids	Yes	Conventional method of teaching is followed by the department and contents are prepared as PPT	The teaching aids are to be documented for future references and updation.
	E-Learning Modules [Give details including MOOC courses]	No	Though students are encouraged to choose online courses, the faculty developed their e- contents for teaching purpose	At the department level, e-contents shall be prepared for various courses (subjects) in Statistics
	Project Work UG/PG	Yes	The curriculum includes the project work with adequate credits.	The outcome of the project shall be published in journals to motivate the students to write technical write-ups.
	Internal Assessment - Components – Uniqueness	Yes	The internal assessment components are framed in such a way to enhance the capabilities in learning the concepts in depth.	NIL
	Student Support – remedial coaching	Yes	Tutorial is being arranged for slow learners through mentor and mentee system .	Documents on remedial coaching may be maintained.
	Feedback from students	Yes	Feedback mechanism on the contents of the curriculum is adopted partially.	

	Steps taken on the feedback	Yes		A detailed analysis may be done as feedback
<b>Infrastructure in the department</b>	No. of classrooms	02		
	No of laboratories	03		
	No of computers – for teachers	08		
	No of computers – for students	75		
	No of computers – for research scholars	13		One scholar one system shall be implemented.
	Details of Servers, Battery Backup System	01 65 batteries		



	Names of Instruments (Only Major)	Licensed statistical software SAS,SPSS are available	-	Renewal of license may be done
<b>Profile of students</b>	Demand Ratio (Applications received Vs Sanctioned Strength)	1:4	Appreciable	-
	Students involved in extra-curricular & co-curricular activities	Yes	Few students were involved in sports and cultural activities	Documents <b>should</b> be maintained
	Study tour / industrial visits / exhibitions / internship / Training	Yes	Industrial exposure is given to the students	It may be <b>arranged</b> every year
	Achievements of students (Academic, cultural etc)	Yes	Good	-
	Newsletters / Magazines of the Department	No	-	It may be considered to encourage students to involve in writing skills
	Placement (Ratio, Salary Level) Mention few companies	TCS,ICMR, Federal Banks,NSSO,. Salary range Rs. 3L to Rs.7L	-	Documents on the employment details are to be prepared in detail.



	% of students going for Research	Up to 20%	-	Avenues for cmore fellowships may be created to attract students towards research
<b>Activities of the department</b>	MoUs Signed	No	No	Joint ventures may be signed in future
	Consultancy [Nature, Amount]	Yes	Without charging any amount, academic consultations are done by the faculty to the researchers who need statistical computation	Steps may be initiated to generate funds through consultancy
	Collaborations	Yes	Academic research collaboration with other universities are in practice as evidenced by research publications	Steps may be initiated to have collaborations with industry and educational institutions
	Department/Association Meetings	Yes	-	-
	Guest lectures [Per semester]	Yes	Good	-
	Conference / Seminars / Workshop conducted [Per Year]	Yes	Good	May be arranged at PG level and research level separately
	Extension Activity	Yes	Faculty are involved in evaluation of research theses and review of research papers for journals of international repute	-



	Interaction with Industry / Research Centres / Educational Institutions	Yes	During Board of Studies (BOS) meeting, industrial experts were consulted for upgradation of contents	Steps may be taken to have interaction with industrial experts and academic experts
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#### Best Practice(s) / Innovations of the Department:

1. Students Alumni are given representation in BOS and their views are given serious consideration.
2. Views of industrial experts are given importance for enhancing the quality of the contents of the curriculum and for increasing the employability skills of the students.
3. Arrangement of Seminars / Workshops periodically to upgrade the computational and soft skill requirements which are not covered in the existing curriculum.
4. Appreciable collaborative assignments with department of Computer Science, Medical Biotechnology and Communication Media Studies in the curriculum development to incorporate statistical concepts and subjects of statistics

#### Future Plans of the Department:

1. To take the department to the next level by acquiring the status of Centre for Advanced Studies in Statistics.
2. To start a new programme called Bio\_ Statistics, which is an emerging potential filed in Health Sciences.

Signature of the HoD with Seal and Date

**Professor and Head**  
**Department of Statistics**  
**Bharathiar University**  
**Coimbatore - 641 046.**

1. 24/09/2022  
 2. 24/09/2022  
 Signature of the Academic Audit Experts  
 (With Address)