BHARATHIAR UNIVERSITY: COIMBATORE-641046 INTERNAL QUALITY ASSURANCE CELL FORMAT FOR DEPARTMENT ACADMEIC AUDIT [2021-2022]

Name of the Department: MATHEMATICS

Date

24.09.2022

Name, Designation and Address of Academic Audit Experts:

 Dr. T. Tamizh Chelvam CSIR Emeritus Scientist Formerly Senior Professor and Head Department of Mathematics M.S. University, Tirunelveli – 627012

Faculty Members Present:

1. Prof. S. Saravanan

2. Dr. S. Narayanamoorthy

3. Dr. R. Rakkiyappan

4. Dr. N. Annapoorani

5. Dr. K. Mathiyalagan

 Dr. K. Senthamarai Kannan Senior Professor and Head Department of Statistics M.S. University, Tirunelveli – 627012

Criterion	Items	Verification Yes / No	Comments	Suggestions for improvement
Curriculum	Steps followed in the designing of syllabus & Curriculum	Yes	Curriculum is designed to suit for both pure and Applied Mathematics	More attention has to be laid for problem solving methodology.
	Contents of the Curriculum	Yes	Good	Effective steps may be taken to have industrial collaboration
	Validation done	Yes		
	Credits allotted / distribution – logic	Yes	As per University CBCS norms. Syllabus has been framed in tune with recent objectives and structures	

Curriculum Transaction	Teaching Methods & Teaching aids	Yes		-
	E-Learning Modules [Give details including MOOC courses]	Yes	As per university norms, students are enrolling	
	Project Work UG/PG	Yes		Project work could made as industry oriented
	Internal Assessment - Components – Uniqueness	Yes	Component of assessment for attending seminar outside	Problem solving component may be addressed as a part of internal assessment
	Student Support – remedial coaching	Yes		
	Feedback from students	Yes		Student feedback may be evaluated by outside department
	Steps taken on the feedback	Yes	Syllabus updation	

Infrastructure in the department	No. of classrooms	4 nos.	
	No of laboratories	1 no.	More space must be created to avoid shift in conducting PG Lab.
	No of computers – for teachers	6 nos.	
	No of computers – for students	45 nos.	
	No of computers – for research scholars	10 nos.	
	Details of Servers, Battery Backup System	Server – 1 no. 150Ah Tubular Battery – 80 nos.	
	Names of Instruments (Only Major)	Cluster (HPC)	

Profile of students	Demand Ratio (Applications received Vs Sanctioned Strength)	Yes 1:7		
	Students involved in extra- curricular & co-curricular activities	Yes		
	Study tour / industrial visits / exhibitions / internship / Training	Yes		
	Achievements of students (Academic, cultural etc)	Yes	NET, SET, GATE Pass	
	Newsletters / Magazines of the Department	No		
	Placement (Ratio, Salary Level) Mention few companies	Yes	Participating in the unified activity of the university	
	% of students going for Research	Yes	15%	

Activities of the department	MoUs Signed	No		-
	Consultancy [Nature, Amount]	No	Research Publications	A part from combined research papers, steps may be taken to formulate collaborations between institution rather individual centric.
	Collaborations	Yes		-
	Department/Association Meetings	Yes		
	Guest lectures [Per semester]	Yes	-	
	Conference / Seminars / Workshop conducted [Per Year]	Yes	-	Funding provisions may be provided to conduct more programmes
	Extension Activity	Yes	Through NSS and others related activities	
	Interaction with Industry / Research Centres / Educational Institutions	Yes		At present data science programme is offered as inter departmental programme. Department may be entrusted to offer PG programme with full collaboration with IT industry.

Best Practice(s) / Innovations of the Department:

- (i) Weekly preplanned /scheduled tests (every Tuesday)
- (ii) Science Academia Lecturers
- (iii) In collaboration with National Centre for Mathematics, special training for both teachers and students is given in identified specialization.
- (iv) Offering courses for Data Science programme in collaboration with two other departments.

Future Plans of the Department:

- (a) To continuing advanced training programmes in collaboration with National Centre for Mathematics and Science Academia
- (b) To promote department as centre for Advanced Study
- (c) To create an environment for attaining 25% of total students pass in NET
- (d) To conduct workshop for School Teachers for better understanding of Mathematics.

7. 24/9/2022

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Signature of the Academic Audit Expert3 . (With Address)

5. 5man 2419/22 Signature of the HoD with Seal and Date **Professor and Head** Department of Mathematics Bharathiar University Coimbatore - 641 046.