THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI – 625 015

DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE

<u>MINUTES OF THE MEETING</u>

Name of the meeting : Board of Studies

Agenda : M.Sc. Data Science Syllabus – Scheduling of courses, List of electives and full syllabus for first 4 semesters [2023-24 onwards]

Date & Time : 19-04-2023, 10:30 am to 12:30 pm

Mode of meet : Google Meet (https:/meet.google.com/auv-zsbk-pjb)

Attended by:

External Members	Internal Members
1. Dr. B. Ravindran Professor Department of Computer Science and Engineering Indian Institute of Technology (IIT) Madras * Due to prior commitments, Dr. Ravindran could not attend the meeting and has sent his feedback/suggestions by email dated April 18, 2023	1. Dr. S. Parthasarathy Professor & HOD 2. Dr. T. Chandrakumar Associate Professor 3. Dr. D. Anitha Assistant Professor (Sel. Grade) 4. Mrs. B. Suryadevi Assistant Professor
2. Dr.Venkatesh Raman Professor The Institute of Mathematical Sciences (IMSC), Chennai.	5. Mrs. R. Saraswathy Meena Assistant Professor 6. Mr. B. Ramprakash Assistant Professor
3. Mr. B. Anbarasan Director-Engineering Capgemini Engineering, Bangalore	7. Dr. G. Nithyakala Assistant Professor 8. Dr. S.T. Padmapriya Assistant Professor
4. Mr R Kalidoss Member of Technical Staff Zoho Corporation, Chennai	9. Ms. P. Sharmila Assistant Professor
5. Dr. Nagaveni, Anna University Representative Professor & Head, Dept. of Mathematics, Coimbatore Institute of Technology, Coimbatore	

Observations/ Suggestions given by the BOS members:

General observations:

➢ Scheduling of courses is satisfactory
➢ Software Engineering and Ethics for Data Science are moved from elective list to core which is appreciated by the experts
➢ Keywords like "Basics", "Introduction", "Preliminary" in the syllabus content shall be rephrased and template shall be made uniform across all courses in terms of text books/reference books & web resources.
➢ Web resources shall be in the title only when web resources are listed

Course wise suggestions:

Sl. No	Course code – course name	List of Comments
1	23DS120- Foundations of Data Science	➢ Revisiting curriculum to emphasize the fundamentals of data science not having deeper discussion on algorithms ➢ Adding appropriate books
2	23DS170- C programming lab	Exercises on control, conditional and looping structures shall be combined as single exercise
3	23DS210- Theory of Probability	➢ Bivariate distribution shall be renamed as "2-D random variables" ➢ Limit theorems shall be renamed as Central limit theorems
4	23DS230- Graph Theory	➢ Vector spaces can be removed ➢ Digraph shall be moved as module 2 ➢ Applications to Computer Science shall be removed as every topic has to be discussed with applications
5	23DS310- Transforms and their applications	➢ Course name shall be renamed as Partial Differential Equations and Transforms ➢ Difference operators shall be added before z-transform differencing equation
6	23DS320- Abstract algebra	➢ Recommended the grouping of the first 2 modules under the title "Groups" ➢ "Residue Arithmetic" shall be added to the 3rd module and named as Coding theory and Residue Arithmetic ➢ Integral Domains and fields shall be grouped together
7	23DS480- Java Programming Lab	Socket Programming in terms of Inter Process Communication shall be practiced among remote machines

Anitha D/20/4/23

Prepared by Dr. D. Anitha, APAMCS
TLP Coordinator

20/4/23

Approved by Dr. S. Parthasarathy
HOD/AMCS

Note: As the Board of Studies meeting is conducted online, signatures of the members are not obtained