

Board of Studies in Computing held on 5/3/2022  
 M.Sc (SS), M.Sc (DS), M.Sc (DCS), M.Sc (AIML)  
 5th March 2022

Board of Studies meeting held on 5/3/2022 Saturday  
 from 10.30 a.m. onwards for the following courses

1. M.Sc (Software Systems)
2. M.Sc (Data Science)
3. M.Sc (Decision and computing sciences)
4. M.Sc (Artificial Intelligence and Machine Learning)

External Members:

1. Dr. J. Cynthia - University Nominee
2. Dr. Parasuram Balasubramanian - Expert Member (Industry)
3. Dr. Aneen Rajagopalan - "
4. Mr. Vengadanathan - "
5. Dr. M. Mathirajan - Expert Member (Academic)
6. Dr. U. Dinesh Kumar - "
7. Dr. S. Nicholas - "
8. Dr. R. Krishnamoorthy - "
9. Dr. K. Vivekanandhan - "
10. Dr. G. Kalyanaj - "

Internal members:

- |                                 | Signature         |
|---------------------------------|-------------------|
| 1. Dr. V. Selladurai            | —                 |
| 2. Dr. K. Sakthimale - Chairman | L. K. Sakthimale  |
| 3. Dr. A. Kannammal - Member    | —                 |
| 4. Dr. S. Suganthi - "          | S. S. [Signature] |
| 5. Dr. J. Shana - "             | [Signature]       |
| 6. Dr. C. R. Ranganathan - "    | —                 |
| 7. Dr. R. Jeyarani - "          | —                 |
| 8. Dr. N. Yamuna Devi - "       | [Signature]       |

	Signatures
9. Dr. S. Manjula Chandhi - Member	Manjula
10. Dr. D. Sudha Devi - "	A. S. H. S.
11. Mrs V. Shanthi - "	V. S. H. S.
12. Dr. A. D. Chitra - "	A. D. H. S.
13. Dr. D. Anandhi - "	A. D. H. S.
14. Dr. M. Sri Vidya - "	M. S. Vidya
15. Dr. D. Manju - "	D. Manju
16. Dr. P. Anura - "	P. Anura
17. Dr. M. Sujitha - "	M. Sujitha

The following members expressed their inability to attend the BOS meeting.

1. Dr. Parasuram Balasubramanian
2. Dr. U. Dinesh Kumar
3. Dr. A. Kannammal
4. Dr. C. R. Ranganathan
5. Dr. R. Jeyarani

L. Sathiyamoorthy  
Chairman  
Board of Studies

Coimbatore Institute of Technology, Coimbatore-14

Department of Computing

Minutes of the Board of Studies Meeting

Date: 05-03-22

Venue: CM 103 - Hybrid Mode

Dean - Computing welcomed the members of the board.

**Item 1:**

The BoS-Computing has discussed and finalized the Curriculum and syllabi for the V to X semesters of **M.Sc. – Software Systems** degree programme for the students admitted during 2020-2021 and subsequently. The following are the suggestions given in this regard.

1. The Board ratified
  - a. The separation of the course titled, Mobile and Cloud Computing into two different courses, namely 20MSS62 Mobile Computing and 20MSS63 Cloud Computing.
  - b. The removal of the elective course titled, Fog and Edge Computing. As few topics on Fog and Edge Computing are included in 20MSS63 Cloud Computing, this course is removed.
  - c. Inclusion of the one-credit course named, 20MSS67 Hackathon in the 6th Semester.
2. Dr. J Cynthia advised using higher-level Bloom's verbs for Course Outcomes of the course, 20MSS52-Computer Networks.
3. Dr. J Cynthia suggested including the basics of OFDM in the course, 20MSS62- Mobile Computing.
4. Dr R Krishnamoorthy and Dr. J Cynthia suggested adding the guidelines for the Mini project which will be offered for the third Continuous Assessment Test of the course 20MSS84-Internet of Things Lab.
5. Dr. J Cynthia recommended changing the title of the course, 20MSS92-Information Security as Cryptography and Network Security.
6. Dr. Arun Rajagopalan recommended linking Deep learning and Natural Language Processing within the course, 20MSSE11 - Natural Language Processing.
7. Dr. M. Mathrajan suggested renaming the title of the course, Nature-Inspired Learning and the corresponding Lab as 20MSSE12 - Meta-Heuristic Learning and 20MSSL08 Meta-Heuristic Learning Lab as the proposed titles appeal to the placement team.

**Item : 2**

The Board of Studies for the Department of Computing has ratified the inclusion of a one-credit Laboratory course, 21MDS28 - Employability Skills in the second semester of **M.Sc. Data Science** degree programme for students admitted during 2021-2022 and subsequently.

**Item : 3**

The BoS-Computing has discussed and finalized the following for **MSc. Artificial Intelligence and Machine Learning** degree Programme for the students admitted during 2019-2020 and subsequently.

- Subjects of Study for VI to X Semester
  - Syllabi for VI to X Semester and set of Electives.
  - 2019 Regulations
1. 19MAM81-Game Theory and its Applications
    - a. Mr.Arun Rajagopalan suggested to change the syllabus to match with game theory and excluding decision analysis.
    - b. Dr. Krishnamoorthy recommended a book titled "Game Engineering" for the same.
    - c. Dr.M.Mathirajan also suggested reducing the syllabus contents.
  2. 19MAME08-Probabilistic Graphical Model (PGM)
    - a. Mr. Arun Rajagopalan suggested adding graph theory concepts as a unit. He also suggested offering Graph Representational Learning (GRL) after PGM.
  3. 19MAME13-Graph Representational Learning (GRL)
    - a. Neo4j software was suggested for GRL lab by Mr. Arun Rajagopalan
  4. 19MAME14-Agile Software Development
    - a. Mr. Arun Rajagopalan recommended to include SCRUM tools in this course. And to make it more activity based rather than theory.
  5. 19MAME16-Internet of Things
    - a. Dr. J. Cynthia suggested the sensor unit to be moved to unit 1 or 2.
  6. 19MAMEL01-Spatial Data Modeling and Analysis Lab
    - a. Dr.Arun Rajagopalan recommended to use open source software such as GeoDA and Openstreetmap
    - b. Dr. J. Cynthia suggested the use of RGIS ARC software to perform analytics in this lab. She also suggested trying out Python libraries.

