

7. Dr P Balasubramaniam suggested introducing a course on "Human-Computer Interface and Interaction" and its associated Laboratory in the curriculum.
 8. Dr P Balasubramaniam recommended including digitization in the "Controlling" part of the "22MDC 14 Principles of Management" course.
 9. Dr. P Balasubramaniam suggested changing "Software Testing and Quality Assurance Laboratory" to "Software Engineering Laboratory", and including the software design part.
- B. Inclusion of an elective course named, 17MDCE52 Advanced Machine Learning for the students admitted from 2018- 2019 to 2021-2022, was approved.

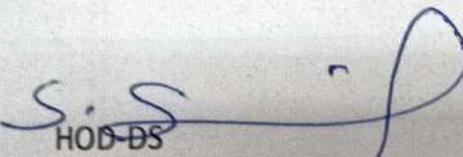
M.Sc. Artificial Intelligence and Machine Learning

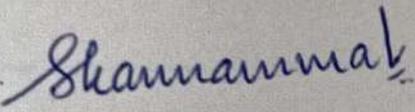
Dr. J Shana proposed to include 2 one-credit courses namely, 19MAMOC02 Basic Java Programming and 19MAMOC03 Object Oriented Programming in C++.

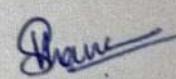
1. Dr. Nickolas and Dr.Cynthia suggested having a single course on object-oriented programming, with C++ or Java and it was finalized to introduce 19MAMOC02- JAVA PROGRAMMING as a one-credit course for students admitted during 2019-20 onwards.
2. Dr. Nickolas recommended including the latest edition or latest books for textbooks and references.

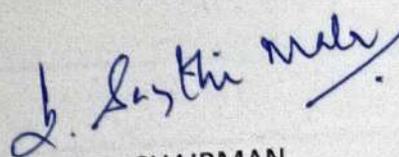
M.Sc Software Systems

The Board has discussed and finalized the M.Sc (Software Systems) Regulations for the students admitted during 2020-2021 and subsequently.


HOD-DS


HOD - DCS


HOD - AIML


CHAIRMAN
Board of Studies-Computing

Academic Year 2023-2024

Board of Studies in Computing field on
24-07-2023 M.Sc(SS), M.Sc(Ds), M.Sc(Dcs), M.Sc(ATML)

24th July, 2023.

Board of studies meeting held on 24-07-2023
(Monday) from 02:30 pm 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:

	Signature
1. Dr. N. Arul Anand, University Nominee	
2. Dr. N. Krishnamoorthy, Expert Member (Academy)	Absent
3. Dr. G. Zayasaz - "	Absent
4. Dr. Parasuram Balasubramanian - Expert Member (Industry)	Absent
5. Mr. Sathyamoorthy Thambusamy - "	
6. Mr. Vikram Kumar Devatha "	
7. Mr. Satishkumar Arusamy "	
8. Mr. R. Manoj Kumar "	
9. Mr. M. Balamuruga "	M. Balamuruga
10. Ms. K.V. Sri Hasi "	Absent

Internal Members.

	Signature
1. Dr. K. Sakthimala, Chairman	
2. Dr. A. Kannammal, Member	Absent
3. Dr. S. Suganthi, "	
4. Dr. J. Shana "	
5. Dr. R. Tejarani "	

		Signature
6.	Dr. S. Manjula Gandhi, Member	Manjula
7.	Dr. A. Saravanan	A Saravanan
8.	Dr. D. Sudha Devi	Sudha
9.	Dr. N. Yamuna Devi	Yamuna
10.	Dr. R. Umarani	Umarani
11.	Ms. V. Shanthi	V. Shanthi
12.	Dr. A. D. Chitra	A. D. Chitra
13.	Dr. D. Anandhi	D. Anandhi
14.	Dr. P. Aruna	P. Aruna
15.	Dr. M. Umarani	M. Umarani
16.	Dr. T. N. Sugumar	T. N. Sugumar
17.	Dr. N. Priya	N. Priya
18.	Dr. V. Keerthika	V. Keerthika
19.	Dr. C. Stanley Felix	C. Stanley Felix
20.	Dr. M. Srividya	M. Srividya
21.	Dr. M. Sujithra	M. Sujithra
22.	Ms. S. Deivarani	S. Deivarani
23.	Ms. K. H. Vani	K. H. Vani
24.	Dr. M. Marimuthu	M. Marimuthu
25.	Dr. S. Gayathri Devi	S. Gayathri Devi
26.	Dr. P. Velvadivu	P. Velvadivu
27.	Ms. J. Rathika	J. Rathika
28.	Dr. V. Savithri	V. Savithri
29.	Dr. D. Manju	D. Manju
30.	Ms. A. G. Aruna	A. G. Aruna
31.	Dr. S. Chandia	S. Chandia
32.	Dr. V. Radhamani	V. Radhamani
33.	Dr. F. Chandra Blessie	F. Chandra Blessie
34.	Dr. S. B. Mahalakshmi	S. B. Mahalakshmi

The following members expressed their absence to attend the BOS meeting

1. Dr. N. Krishnameorthy, External member
2. Dr. G. Zayasaz, " "
3. Dr. Parasuram Balasubramanian, " "
4. Ms. K. V. Sri Hari, " "
5. Dr. A. Kannammal, Internal member

J. Sathimma
Chairman
Board of Studies

Board of Studies Meeting held on 24.07.2023 - Minutes of Meeting

The Board of Studies Meeting is convened on 24.7.2023 at CM 102 to discuss and finalize the

- Inclusion of a one credit course for M.Sc (Software Systems)
- Courses of Study and Syllabi for 7th to 10th semesters along with Electives of M.Sc (Data Science)
- Regulations for Courses of Study and Syllabi for 3rd to 10th semesters along with Electives of M.Sc (Decision and Computing Sciences)
- Inclusion of Electives, Elective Laboratories, One credit courses and NPTEL Courses for M.Sc (Artificial Intelligence and Machine Learning)

Minutes of the BoS Meeting

Dean - Computing welcomed the members of the board and introduced the reconstituted Board Members.

M.Sc (Software Systems)

The board approved the inclusion of the one credit course, 20MSSOC1 - DevOps & Security Practices in IT.

M.Sc (Data Science)

- The Board ratified converting the assessment mode of the course, 16MDS92-Deep Learning from open book to regular.
- The Board has discussed and finalized the M.Sc (Data Science) Regulations for the students admitted during 2020-2021 and subsequently.
- The Board has discussed and passed the Courses of Study and Syllabi for Semesters VII,VIII, IX and X of Five Year Integrated M.Sc. Data Science programme, applicable for the students admitted during 2021-22 and subsequently.
- The following recommendations were given by the members of the Board of Studies
 - Mr.Vikram Kumar Devatha recommended to include the materials given by Government of India in Healthcare Analytics in the References.
 - Mr.Sathish Aruchamy suggested to include 'Supply Chain Analytics' as an elective course.
 - Mr.Sathyamoorthy Thambusamy suggested to distribute the existing analytics courses over the semesters.

- Dr. N.Arul Anand suggested to separate the Design Patterns from the Elective course, 21MDSE24 Software Architecture and Design Patterns and have it as a separate course.
- Mr.Manojkumar, R suggested to include a course, "Introduction to Hybrid Computing".
- Mr.Balamuruga,M suggested to move the course, ' 21MDSE2 -Natural Language Processing' from elective list to core.

M.Sc(Decision and Computing Sciences)

The Board has discussed and finalized the M.Sc (Decision and Computing Sciences) Regulations for the students admitted during 2022-2023 and subsequently.

- The Board has discussed and passed the Courses of Study and Syllabi for Semesters, III to X of Five Year Integrated M.Sc. Decision and Computing Sciences programme, applicable for the students admitted during 2022-23 and subsequently.
- The following recommendations were given by the members of the Board of Studies
 - Mr. Vikram Kumar Devata suggested to use Python instead of R in 22MDC84 – Game Theory and Decision Analysis Laboratory.
 - Mr. Vikram Kumar Devata suggested to introduce a framework for project management tracking in the course, 22MDC91 – Project Management.
 - Dr. N. Arul anand suggested to include the concept of Actuators in the course, 22MDCE92 – Sensing and Sensors
 - Mr. Vinoth kumar suggested to change the syllabus for the course, 22MDCE72 – Human Computer Interaction, focussing User experience rather than usability.

M.Sc (Artificial Intelligence and Machine Learning)

- The following courses are approved by the members of the Board for MSc.(Artificial Intelligence and Machine Learning)

PROFESSIONAL ELECTIVES AND LABS

1. 19MAME14-EXPLAINABLE AI
2. 19MAME19-FEDERATED LEARNING
3. 19MAME15-GENERATIVE ADVERSARIAL NETWORKS
4. 20MSSE04-BLOCKCHAIN TECHNOLOGIES

ELECTIVE LABS

1. 19MAMEL07-GENERATIVE AI LAB

2. 19MAMEL08-SOFTWARE TESTING LAB

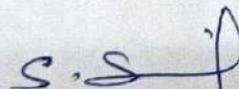
ONE CREDIT COURSES

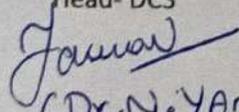
1. 19MAMOC03- SOFTWARE ENGINEERING
2. 19MAMOC04-MACHINE LEARNING OPERATIONS LAB
3. 19MAMOC05-INNOVATION, START-UPS AND ENTREPRENEURSHIP

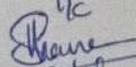
NPTEL COURSES

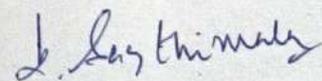
1. ECONOMICS OF BANKING AND FINANCE MARKETS
2. INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS
3. ETHICAL HACKING
4. AFFECTIVE COMPUTING

- The following recommendations were given by the members of the Board of Studies
- Mr. Balamuruga, M. suggested to include the concepts of GenAI in the course 19MAME15 Generative Adversarial Networks course.
 - Mr. Balamuruga, M. also suggested to include topics of Scalability, Active and Federated Learning into the course, 19MAMOC04-MACHINE LEARNING OPERATIONS LAB.
 - Mr. Manoj Kumar, R recommended to include the concept of vector databases in any of the advanced laboratory courses.
 - Mr. Sathishkumar, A. suggested to include a course on 'Supply Chain Management and Analytics'.
 - Mr. Vikram Kumar Devatha recommended to have courses from other MOOC platforms.
- Dr K. Sakthi Mala thanked the Board Members and assured that the Internal members will explore the possibilities of implementing the suggestions


Head-DS
(S. Sugantha)

Head-DCS

(Dr. N. YAMUNA DEVI)

Head-AIML

04/8/23


CHAIRMAN

Board of Studies - Computing

Coimbatore Institute of Technology, Coimbatore- 14
Department of Computing

Board of Studies Minutes - 14/12/2023 - Concurrence through Circulation

Three elective courses namely,

17MDCE53 Full Stack Web Application Development

17MDCEL4 Full Stack Web Application Development Laboratory

17MDCEL3 Advanced Data Structures and Algorithms Laboratory

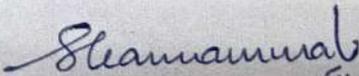
are planned to be offered in the 2023 -24 even semester for the students admitted under 2017 regulations of five-year integrated M.Sc. Decision and Computing Sciences.

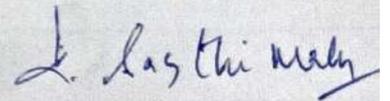
As this is the only agenda, the syllabi of these courses were mailed to all the BoS Members, and suggestions and concurrence were sought by circulation through mail.

Mr. Balamuruga suggested that FastAPI may be included along with Django Framework, in 17MDCE53 Full Stack Web Application Development. As the current syllabus covers frameworks based on javascript, and FastAPI is a framework using Python stack, the basics of which are not covered, the inclusion is not done.

Dr. Zayaraj, Mr. Manoj Kumar, Mr. Balamuruga, and Dr. Arul Anand along with all the internal members of the Board of Studies, have provided their concurrence, for inclusion of the courses.

Date: 26/12/2023


Head, DCS


Chairman
Board of Studies