



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

MINUTES OF EIGHTH BOARD OF STUDIES MEETING

Ref No: MITS / CSD DEPT / BoS No.8

Date of Meeting : 04.07.2025

Time : 03.00 pm

Venue : HoD Cabin (Online Mode)

Agenda of Meeting:

1. Approval for III-year B.Tech. I and II Sem structure and syllabus.
2. Approval for IV-year B.Tech. I and II Sem structure
3. Discussion on the detailed syllabus for Minor and Honors Programs.
4. Adoption of the National Credit Framework (NCrF)

Dr. S. Kusuma, Head of Department, CSE (Data Science) welcomed the members to the BoS meeting. She elaborated the Vision and Mission, PEOs, POs and PSOs of the department and presented the curriculum structure of regulation R23, course outcomes and syllabus of III Year and IV Year courses to the members. The following members were present during meeting:

S. No	Name of the member	Composition as per the UGC – Autonomous guidelines	Designation & Address	Signature
1.	Dr. S. Kusuma	Head of the Department (Chairman)	Assistant Professor & Head, Dept. of CSE (DS), MITS.	<i>K. Kusuma</i>
2.	Dr. A. Suresh Babu	University Nominee	Prof. of CSE & Director, JNTUA	Online Mode
3.	Dr. Narendran Rajagopalan	Academic Council Nominee	Assoc. Prof. of CSE, NIT Puducherry	Online Mode
4.	Dr. Damodar Reddy Edla	Academic Council Nominee	Assoc. Prof. of CSE, Dean (Students Welfare), NIT Goa	Online Mode
5.	Mr. Purushothama Reddy M	Industry Representative	Senior Consultant, Oracle	Online Mode
6.	Mr. Kapa Ashok Kumar	Alumni Representative	Senior Software Engineer, Intraedge Technologies	Online Mode
7.	Dr. S. Gopala Krishnan	Subject Expert	Assistant Professor, Dept. of CSE (DS), MITS.	<i>S. Gopala Krishnan</i>
8.	Dr. M. Kiran Kumar	Subject Expert	Assistant Professor, Dept. of CSE (DS), MITS.	<i>M. Kiran Kumar</i>
9.	Mr. G. Raj Kumar	Subject Expert	Assistant Professor, Dept. of CSE (DS), MITS.	<i>G. Raj Kumar</i>
10.	Mrs. K Pugazharasi	Subject Expert	Assistant Professor, Dept. of CSE (DS), MITS.	<i>K. Pugazharasi</i>
11.	Mr. Sheik Jamil Ahmed	Subject Expert	Assistant Professor, Dept. of CSE (DS), MITS.	<i>Sheik Jamil Ahmed</i>



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA



12. Ms. Manjula
Prabakaran

Subject Expert

Assistant Professor,
Dept. of CSE (DS), MITS.

The members approved the structure and syllabus of III and IV Year with the following suggestions:

1. The expert members recommended sequencing the courses as follows: "Artificial Neural Networks" in III Year I Semester, "Deep Learning" in III Year II Semester, and "Generative AI" in IV Year I Semester.
2. The members suggested introducing a "MLOps" course under Skill Oriented Course - 4.
3. The board advised including "Introduction to AI" in Unit I of the Machine Learning course. Additionally, the topic of entropy may also be incorporated.
4. The inclusion of a "Cyber Security" course under the Honors degree track was strongly recommended.
5. It was recommended to integrate Data Science applications for security, such as Intrusion Detection Systems, within the Computer Networks course instead of offering a standalone course on Data and Information Security.
6. Members observed that the current Software Engineering syllabus places excessive emphasis on testing. They advised incorporating coding aspects like Halstead's Software Metrics and restructuring the syllabus to align more with industry practices.
7. The expert members suggested revising Units II and III of the Network Security course to reduce mathematical complexity. Additionally, they proposed incorporating the CIA triad (Confidentiality, Integrity, and Availability) in Unit I.
8. The adoption of the National Credit Framework (NCrF) was discussed and appreciated by the members.
9. The members unanimously approved the course structure and detailed syllabi of all B.Tech III and IV Year CSE (Data Science) program courses.
10. The members commended the syllabus, noting that it is well-structured, comprehensive, and thoughtfully designed.

Dr. S. Kusuma

Assistant Professor & Head,
BoS Chairman,
Department of CSE (Data Science)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

EIGHTH BOARD OF STUDIES MEETING

ACTION TAKEN REPORT

PLAN OF ACTION	ACTION TAKEN
Sequence courses: "ANN" in III-I, "Deep Learning" in III-II, and "Generative AI" in IV-I.	The topics on Neural Networks have been included in the last two units of the Machine Learning syllabus.
Introduce "MLOps" as Skill Oriented Course	MLOps added under Skill Oriented Course – III in the revised curriculum
Add "Introduction to AI" and "Entropy" in Unit I of Machine Learning course.	"Introduction to AI" in Unit 1 and entropy topics integrated Machine Learning syllabus.
Reduce testing emphasis in Software Engineering; include coding metrics like Halstead's.	Software Engineering syllabus revised to include software metrics and coding-related topics; focus on testing reduced.
Revise Units II & III in Network Security to reduce math load; include CIA triad in Unit I.	Network Security syllabus modified as advised. Units II and III simplified, and CIA triad included in Unit I.
Include "Cyber Security" under the Honors track.	The 'Cyber Security' course has been introduced as part of the Open Electives

Dr. S. Kusuma

Assistant Professor & Head,
BoS Chairman,
Department of CSE (Data Science)