



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Minutes of the 2nd Board of Studies (BOS)

2nd Board of Studies Meeting in the Department of Master of Computer Applications

Mode: Through Hybrid Mode

Topic: 2nd Board of Studies Meeting-Program Master of Computer Applications

Time: May 20, 2025 03:00 PM to 5 PM India

Join Zoom Meeting

<https://us06web.zoom.us/j/4280829918?pwd=Q5YbPJ6ATneqFUoUAlxZe6Rgd4mkH3.1&omn=83095301678>

Meeting ID: 428 082 9918

Passcode: AVEV

Members Present:

1. Dr.Ch.Bindu Madhuri

Assistant Professor, Department of Information Technology and Head
University College of Engineering Vizianagaram, JNTU-GV, Vizianagaram

2. Dr.O.Srinivasa Rao

Professor & Head, Department of CSE
University College of Engineering, JNTUK, Kakinada – 533003

3. Dr.L.Chakravarthi

Professor, Department of CSE, Gitam Institute of Technology
GITAM University, Visakhapatnam

4. Mr.Chiranjeevi Peddinti

Engineering Manager
Nokia, Bangalore, Karnataka

5. Ms. R. Sai Manasa

Technical Project Manager
Acuvate Software Private Limited, Hyderabad

6. All Faculty Members

Department of Master of Computer Applications, AIET (A)

7. Dr.Gandi Satyanarayana

Professor of CSE and Dean –Academics
Avanthi Institute of Engineering and Technology (Autonomous)

8. Dr. Annepu Bala Krishna



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram)

NAAC "A+" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist), AP, Pin-531162.

www.aietta.ac.in, principal@aietta.ac.in

Professor & Head, Department of MCA

Chairperson, Board of Studies – MCA, AIET (A)

Item 1:

- Welcome Address by the BOS Chairperson.

Resolutions:

- **Dr. Annepu Bala Krishna**, Professor & Head, Department of Master of Computer Applications, and **Chairperson – Board of Studies**, extended a warm welcome to all the esteemed BOS members. He conveyed heartfelt gratitude for their presence and the valuable time they dedicated to the academic deliberations.
- **Dr. Gandhi Satyanarayana**, Dean-Academics presented a summary of the Minutes of the 1st BoS Meeting and confirmed that the Regulations (R24), along with the I MCA Course Structure and Syllabus for I and II Semesters, were approved by the Academic Council without any modifications.
- **The Dean-Academics highlighted that the syllabus must align with Outcome-Based Education (OBE), which is a mandatory requirement in view of the revised NAAC accreditation framework and the National Education Policy (NEP) 2020.**
- **With the consent of the BOS members, the Chairperson informed that the implementation of the R24 Curriculum and Syllabus for the 2024–2025 admitted batch (I Year, I and II Semesters) was successfully carried out.**
- **The Chairperson presented the Proposed Course Structure and Syllabus for II Year (I and II Semesters). He emphasized the need to strengthen industry-academia collaboration in designing a curriculum that is contemporary, holistic, and career-oriented, ensuring that it addresses current trends and employer expectations.**

Item 2:

To discuss, review, and approve the proposed curriculum for the following MCA Program for II MCA –I & II Semesters, effective from the Academic Year 2025–2026:

- II MCA 1st Semester Course Structure
- II MCA 2nd Semester Course Structure

Members Suggestions:

- The members of the Board of Studies carefully reviewed the proposed curriculum for both semesters.



- They expressed satisfaction with the overall design, relevance, and academic rigor of the course structures.

Resolutions:

- The Board unanimously approved the proposed course structures for II MCA I and II Semesters for implementation from the Academic Year 2025–2026, without any modifications.

Item 3:

To discuss and finalize the syllabus for II MCA –I Semester for the programs: MCA

The following course-wise syllabus for all proposed II MCA I Semester

- R24MCA2101 Python Programming
- R24MCA2102 Internet of Things
- R24MCA2103 Web Technologies
- R24MCA2104 Cryptography and Network Security
- R24MCA2105 Soft Computing
- R24MCA2106 Software Project Management
- R24MCA2107 Cloud Computing
- R24MCA2108 Machine Learning
- R24MCA2109 Cyber Security
- R24MCA2110 Python Programming Lab
- R24MCA2111 Internet of Things Lab
- R24MCA2112 Web Technologies Lab

Members Suggestions:

- Members emphasized the importance of aligning each subject syllabus with the prescribed textbooks and reference materials for better academic consistency.
- In the course Cryptography and Network Security (R24MCA2104):
 - For Unit-V, members suggested incorporating new topics on **Cloud Security** and **Malicious Software** to address emerging cyber security threats.
- For the Machine Learning (R24MCA2108) course:
 - In Unit-III, the self-learning topic "**Dimensionality Reduction (PCA)**" should be directly integrated into the syllabus content rather than being treated as an additional



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram)

NAAC "A+" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist), AP, Pin-531162.

www.aictta.ac.in, principal@aictta.ac.in

reference.

- Additionally, the topic "**Linear Discriminant Analysis (LDA)**" should be added under **Unit-II** for a more comprehensive understanding of classification techniques.
- Members advised a thorough **review of the Course Outcomes (COs)** and the **CO to PO mappings** for all courses to ensure they are accurate, meaningful, and in **line with OBE standards**.

Resolutions:

- The Board of Studies **unanimously approved** the finalized syllabi for all the above-listed **II MCA I Semester courses, effective from the Academic Year 2025–2026**, subject to the incorporation of the above-mentioned modifications and improvements.

Item 4:

To discuss and finalize the syllabus for II MCA–II Semester for the programs: MCA
The following course-wise syllabus for all proposed II MCA II Semester

- R24MCA2201 Deep Learning
- R24MCA2202 Applied Natural Language Processing
- R24MCA2203 MOOCs-1(NPTEL/SWAYAM) (Any recommended course)
- R24MCA2204 Network Programming
- R24MCA2205 Blockchain Technologies
- R24MCA2206 Software Testing Methodologies
- R24MCA2207 Big Data Analytics
- R24MCA2208 MOOCs-1(NPTEL/SWAYAM) (Any recommended course)

Members Suggestions:

- Members recommended **encouraging students to enroll in MOOCs** through **NPTEL/SWAYAM platforms**, in accordance with **AICTE and JNTU-GV guidelines**.
- It was suggested that, as part of the **Final Project**, students should:
 - Take up a **relevant NPTEL course**.
 - **Align their final project work with the MOOC topic**.
 - Be encouraged to **publish a research paper** based on the project.
- Members expressed satisfaction with the design and content of the above-listed course syllabi.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram)

NAAC "A+" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist), AP, Pin-531162.

www.aictta.ac.in, principal@aictta.ac.in

Resolutions:

- The BOS Chairperson assured the Board that the department will ensure student enrollment into MOOC courses as part of Professional Electives III and IV.
- The department will also promote integration of MOOC learnings into final project work, including paper publication initiatives.
- The Board of Studies unanimously approved the syllabus for the above-listed courses for II MCA – II Semester, to be implemented from the Academic Year 2025–2026.

Item 5:

To discuss and suggest Teaching Learning Methodology, Co-Curricular and Extra-Curricular activities, Internships, FDP's for the academic year 2025-2026.

Members Suggestions:

- Members recommended including a course on Quantum Computing in the list of electives, as per the recent guidelines from APSCHE, Government of Andhra Pradesh, and JNTU-GV. This addition will help in aligning the curriculum with futuristic technological trends.
- The Chairperson, Board of Studies, raised the point that the R24 Regulations and revised course structure and syllabi are to be implemented for students admitted in both 2024–2025 and 2025–2026 batches.
 - Members agreed with the implementation plan and recommended forwarding this matter for ratification in the forthcoming Academic Council Meeting.
- Members suggested actively encouraging students to enroll in online internships offered by reputed MNCs and platforms, especially in domains aligned with their curriculum and interests. This initiative would enhance practical exposure and employability.

Item 6:

Discuss on any other academic matter

Members Suggestions:

- Members emphasized the need to initiate campus recruitment training (CRT) from the first year onwards, enabling students to be well-prepared for campus recruitment processes by the time they reach their final year.
- Members appreciated the inclusion of multiple programming languages such as C, C with Data Structures, Java, and Python in the R24 syllabus.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram)

NAAC "A+" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist), AP, Pin-531162.

www.aietta.ac.in, principal@aietta.ac.in

- They recommended that students be **actively encouraged to practice coding on platforms like HackerRank, LeetCode, and CodeChef** to build problem-solving skills and programming fluency.
- **Motivate students to actively use competitive programming platforms** for improving coding proficiency.
- The Board of Studies advised the department to **strengthen its placement activities** with a focused effort to **increase the number of student selections in campus recruitment drives** by:
 - Enhancing industry interaction.
 - Organizing mock interviews, technical tests, and group discussions.
 - Encouraging students to build strong coding profiles and resumes.
- **Strategically plan and implement placement enhancement initiatives** to improve student selection rates in upcoming campus drives.

Item 7:

Miscellaneous issues.

- Members emphasized the importance of **periodic review of curriculum and syllabus** in alignment with emerging technologies and **revised AICTE/UGC guidelines**.
- It was suggested to **organize more guest lectures, seminars, webinars, and industry expert talks** to bridge the gap between academia and industry expectations.
- Members proposed that the department may consider **collaboration with industries or research institutions** for offering **joint certification programs**, particularly in areas such as **AI, Data Science, Cyber Security, and Cloud Technologies**.

Attendance Sheet

S.No.	Name of the Member & Affiliation	Signature
1	Dr.Ch.Bindu Madhuri Assistant Professor and Head Department of Information Technology University College of Engineering Vizianagaram, JNTU-GV, Vizianagaram	<i>Approved</i> <i>Ch Bindu</i>
2	Dr. O. Srinivasa Rao Professor & Head Dept of Computer Science and Engineering	<i>Approved through mail</i> <i>on 24.05.2025.</i>



(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram)

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist), AP, Pin-531162.

www.aietta.ac.in, principal@aietta.ac.in

All Other Dept Members

B. A. Balakrishnan
Chairperson

Chairperson

Board of Studies (MCA)

Chairperson

Board of Studies (MCA)

Avanathi Institute of Engineering and Technology (Autonomous)

2nd BOS-MCA Page 7
Cherukupally (V), Near Tagarapuvalasa Bridge,
Bhogapuram (M), Vizianagaram (Dist)-531162