



MITS

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(Deemed to be University under section 3 of UGC Act, 1956)

Approval of Members for Industry Alumni Advisory Board (IAAB) Meeting

The following members are appointed as External and Internal experts in the Industry Alumni Advisory Board for the academic year 2026-2027.

1.	Dr. N. Naveen Kumar Professor & Head, MCA, MITS	Chairman
2.	Dr. G. R. Gangadharan Professor, Department of Computer Applications, National Institute of Technology - Tiruchirappalli	External Member – Academic Expert
3.	Mr. Thangadurai Narayanan Principal Software Architect Honeywell Technology Solutions(P) limited, Bengaluru, Karnataka, India	External Member – Industry Expert
4.	Mr. C. Keshava Reddy Full Stack Engineer, Telstra, Bangalore.	External Member – Alumni
5.	Mr. Sanath Hegde Chief Technology Officer MITS	Invitee
6.	Dr. R. Maruthamuthu Assistant Professor, MCA, MITS	Internal Member (Academic Coordinator)
7.	Dr. K. Nirmaladevi Associate Professor, MCA, MITS	Internal Member
8.	Dr. J. Srinivasan Assistant Professor, MCA, MITS	Internal Member
9.	Dr. N. Nirmaladevi Assistant Professor, MCA, MITS	Internal Member
10.	G. Neeharika Reddy I-MCA MITS	Student Member


HOD/MCA

Head
Computer Applications
Madanapalle Institute of Technology & Science
Deemed to be University
MADANAPALLE - 517 325, A.P., India


REGISTRAR

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Department of Computer Applications

Minutes of Industry Alumni Advisory Board (IAAB) Meeting

Date: 29.05.2026

Time: 10.00AM to 01.00 PM

Venue: Microsoft Teams

Agenda:

1. Introduction
Overview of the Department and Introduction of external and internal members by HoD.
2. Presentation of R25 MCA II year Course Structure & Syllabus & R26 BCA Course Structure and I year Syllabus by Academic Coordinator Dr.R.Maruthamuthu.
3. Discussion on Detailed syllabus of II-year courses (MCA R25) and I-year BCA(R26) Course.
4. Summary of experts' reviews by Dr. Saravanan Thirunavukkarasu.
5. Vote of thanks.

Chairman Dr. N. Naveen Kumar Professor & Head, MCA, MITS.	External Member -- Academic Expert Dr. G. R. Gangadharan Professor, Department of Computer Applications, National Institute of Technology -Tiruchirappalli
External Member -- Industry Expert Mr.Thangadurai Narayanan Principal Software Architect Honeywell Technology Solutions(P) limited, Bengaluru	External Member – Alumni Mr. C. Keshava Reddy Full Stack Engineer, Telstra, Bangalore.
Internal Member-Invitee Mr. Sanath Hegde Chief Technology Officer MITS.	Internal Member Dr. K. Nirmaladevi Associate Professor, MCA, MITS.
Internal Member / Academic Coordinator Dr. R.Maruthamuthu Assistant Professor, MCA, MITS.	Internal Member Dr. J. Srinivasan Assistant Professor, MCA, MITS.
Internal Member Dr. N. Nirmaladevi Assistant Professor, MCA, MITS.	Internal Student Member G.Neeharika Reddy I-MCA, MITS.

The meeting started at 10.00 AM and Concluded at approximately 11.50 AM. All members had actively participated and given their valuable suggestions:

(A softcopy of the R-25 MCA II Year Course & BCA R26 Course structure and I year Syllabus for suggestions was already shared with the IAAB Members through mail along with the Invitation)

Dr. N. Naveen Kumar, Head of the Department (MCA), warmly welcomed all IAAB members, including external and internal experts, to the curriculum review meeting. He commenced the session with the following key points:

1. Discussion the MCA R25 II-year syllabus and BCA R26 Course structure and first year syllabus, highlighting proposed updates to enhance relevance and consistency.
2. Preparation of the Vision & Mission of the MCA department (under deemed to be university), emphasizing alignment with industry and academic excellence.

Dr. Naveen Kumar concluded by inviting suggestions from IAAB members to further refine the curriculum and ensure its alignment with global standards and local needs.

Department Academic Coordinator **Dr R.Maruthamuthu** presented the R-25 MCA II Year Course Structure & syllabus and R26 BCA Course Structure and I year Syllabus to the IAAB members, and he requested all the IAAB members to review and provide their valuable inputs.

The board recommended the following suggestions:

Academicians:

Dr. G. R. Gangadharan, Professor, Department of Computer Applications, National Institute of Technology -Tiruchirappalli, appreciated the department's effort to incorporate Electives based specialization on industry-specific courses in R25 MCA and R26 BCA Courses.

Suggestions: -

MCA R25 Curriculum:

- i. The prerequisites required for the IoT course are already covered through the Python and Java courses studied during the first year. Hence, the IoT course may be offered as proposed
- ii. **AI & ML Stream:** The sequence of subjects is appropriate and ensures progressive learning. NLP and Deep Learning courses should include hands-on exercises and mini-projects to enhance practical skills. The elective progression across semesters is well planned.
- iii. **Cyber Security Stream:** The stream structure and course progression are appropriate. AI-assisted security testing tools may be introduced, wherever relevant, to enhance practical learning and align with emerging industry practices.

- iv. **Software Engineering Stream:** The stream structure is appropriate. The Software Testing syllabus should incorporate AI-assisted testing concepts and modern testing tools to align with current industry practices.
- v. **Project Work:** The final-semester capstone project component is appropriate and should continue to emphasize application-oriented development and practical problem-solving.

BCA R26 Structure & Curriculum:

- vi. The overall course structure was found to be well-designed and appropriate.
- vii. A separate mandatory summer internship may not be necessary if adequate internship exposure is already integrated within the curriculum.
- viii. The courses on Communication Skills, Indian Knowledge System, C Programming, Skill-Oriented Courses, and Object-Oriented Programming were found to be appropriate and relevant.

Department Vision & Mission:

- ix. The mission statements is well-framed and reflects the department's commitment to student development. However, it may be further strengthened by emphasizing technical excellence, innovation, and lifelong learning.

Industry Experts

Mr.Thangadurai Narayanan, Principal Software Architect, **Honeywell Technology Solutions (P) limited, Bengaluru, Karnataka, India** appreciated the R25 MCA II year Syllabus and R26 BCA Course Structure and 1 year Syllabus and content of the courses as they meet the industry requirements. He expressed happiness with the course syllabus, such as Generative AI and Cyber Security.

Suggestions: -

MCA R25 Curriculum:

- i. **Generative AI:** The existing prerequisites and AI fundamentals are adequate. Prompt Engineering should follow Generative AI, and the course should include more practical use cases, case studies, and extended coverage of Retrieval-Augmented Generation (RAG) concepts.
- ii. **Cloud Computing Stream:** The stream structure is appropriate. Cloud Web Services should cover multiple cloud providers (AWS, Azure, GCP, Alibaba Cloud,

- etc.) and include practical examples of IaaS, PaaS, and SaaS. Basic networking and web service fundamentals should be introduced before advanced cloud topics.
- iii. **Cloud Security:** The course should emphasize Identity and Access Management (IAM) and Virtualization Security. Fundamental cybersecurity concepts should be covered before cloud-specific security topics.
 - iv. **Project Work:** The final-semester capstone project component is appropriate and should continue to encourage application-oriented development and practical problem-solving.

BCA R26 Structure &Curriculum:

- v. Java-focused advanced subjects may be positioned in higher semesters after students have acquired adequate programming foundations.
- vi. **Database Management Systems:** A dedicated unit on NoSQL databases should be included. The course should also introduce modern database technologies beyond traditional relational database systems.

Department Vision & Mission:

- vii. The Department Vision and Mission Statements are well-framed and clearly reflect the aspirations of the department. They are strongly aligned with the University Vision and Mission, demonstrating a shared commitment to academic excellence, innovation, and societal development.

Alumni:

Mr. C. Keshava Reddy, Full Stack Engineer, Telstra, Bangalore strongly suggested the following points.

Suggestions: -

MCA R25 Curriculum:

- i. **Research Methodology & IPR:** The course is appropriate for supporting project work, research activities, and innovation initiatives.
- ii. **Prompt Engineering:** The course is appropriate and may be offered as a skill-oriented course.

BCA R26 Structure &Curriculum:

- iii. The overall course structure was found to be well-designed and appropriate.

Guest lectures and industry workshops may be included to provide real-world exposure and enhance industry interaction.







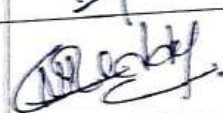
Department Vision & Mission:

The Department Vision and Mission Statements are well-framed. They are strongly aligned with the University Vision and Mission, ensuring consistency in academic goals and institutional values.

Dr. Saravanan Thirunavukkarasu summarised all the recommendations from external experts and proposed the vote of thanks.

Dr. G. R. Gangadharan, External Member - Academic Expert, Mr. Thangadurai Narayanan, External Member - Industry Expert and Mr. C. Keshava, Alumni, all were attended the meeting through online using MS-TEAMS App.

Department/Internal Faculty Members:

1.	Dr. N. Naveen Kumar Professor & HoD, MCA, MITS	Chairman	
2.	Mr. Sanath Hegde Chief Technology Officer, MITS,	Internal -Invitee	
3.	Dr. K. Nirmaladevi Associate Professor, MCA, MITS	Internal Member	
4.	Dr. R. Maruthamuthu Assistant Professor, MCA, MITS	Internal Member	
5.	Dr. J. Srinivasan Assistant Professor, MCA, MITS	Internal Member	
6.	Dr. N. Nirmaladevi Assistant Professor, MCA, MITS	Internal Member	
7.	G. Neeharika Reddy I-MCA, MITS	Internal Student Member	


Head of the Department

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