



## Department of Computer Applications

### II - Board of Studies (BoS) – Minutes of Meeting

#### Academic Year: 2026-2027

Board of studies meeting for the Academic Year 2026-2027 was held on 20/06/2026 (Saturday) between 10.00 AM to 1.00 PM through online mode for finalizing the R25- MCA II Year Course Structure and Syllabus, R26 BCA I Year Course Structure and Syllabus and MBA Open Electives. The following members were present at the meeting.

| S.No | Key Positions   | NAME                     |  |
|------|---|--------------------------|--|
| 1.   | Dean of School or Head of the Department- Chairperson                                     | Head of the Department   | <b>Dr.N.Naveenkumar,</b><br>Professor &Head,<br>Department of Computer Applications.   |
| 2.   | Two External Experts to be opted for their Specialized Knowledge with Affiliation Details | Subject Expert           | <b>Dr.Kalidas Yeturu,</b><br>Associate Professor, Department of CSE,<br>Indian Institute of Technology, Tirupati,<br>Andhra Pradesh Pincode-517619.<br>Contact-9480090086<br>Email: ykalidas@iittp.ac.in |
|      |   | Industry Expert          | <b>Mr.Kasinathan Subramani,</b><br>Director of Security,<br>Numertor India Private limited,<br>Karelibaug, Vadodara, India<br>Contact- 9543958596<br>Email: kasinathanqtp@gmail.com                      |
| 3.   | Two Associate Professors of the School or Department by rotation.                         | Associate Professors     | 1. <b>Dr.K.Nirmaladevi</b><br>Department of Computer Applications.<br>2. <b>Dr.R.Maruthamuthu</b><br>Department of Computer Applications   |
| 4.   | Two Assistant Professors of the School or Department by rotation.                         | Assistant Professors     | 1. <b>Dr.J.Srinivasan.</b><br>Department of Computer Applications.<br>2. <b>Dr.N.Nirmaladevi.</b><br>Department of Computer Applications.  |
| 5.   | Invitees with Affiliation Details   | Chief Technology Officer | <b>Mr.Sanath Hegde,</b><br>Department of AI&ML,<br>MITS.   |
|      |   | Alumni Representative    | <b>Nagulappagari Vijayakumar,</b><br>Senior Software Engineer,   |



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|  |  |                        | CarelonGlobalSolutions, Bengaluru, 500007, India.<br>Contact-9618886033.<br>Email: vijayakumarnagulappagari@carelon.com |
|  |  | Student Representative | Miss.J.Vaishnavi,<br>HT No. 25MRD00120@mits.ac.in   |

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

1. The structure, course distribution, and detailed curriculum of the II Year MCA programme were explained for discussion and approval.
2. The overall BCA programme structure and the detailed curriculum for the first year were presented and discussed.
3. The open elective courses to be offered to MBA students by the MCA Department were explained in detail.
4. The proposed Vision and Mission statements of the Department were placed before the members for their valuable suggestions and refinement.

**Dr. Naveen Kumar** invited suggestions from BoS 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 Course Structure & syllabus and R26 BCA Course Structure and I year Syllabus to the BOS members, and he requested all the members to review and provide their valuable inputs.

After thorough discussions and deliberations, the board recommended the following suggestions:

**Suggestions and Recommendations for the MCA programme:**

1. The subject expert recommended the inclusion of additional topics in Units IV and V of the Internet of Things (IoT) syllabus. The suggested topics include Zero Trust Architecture for IoT, IoT Vulnerabilities and Threat Analysis, and Cloud Connectivity Security in IoT Environments to enhance students' knowledge of IoT security and cloud integration.



2. The subject expert recommended including advanced topics in the Generative AI course. The suggested topics are LangChain, AI Security, Model Context Protocol (MCP), and AI Governance to align the course with current trends and industry requirements.
3. The subject expert recommended incorporating Data Storage Management concepts into the NLP laboratory component. This was suggested to help students understand the storage, retrieval, and management of language datasets in practical NLP applications.
4. The subject expert recommended introducing advanced tools as alternatives to Google Colab. The proposal aims to familiarize students with diverse development and experimentation environments beyond Google Colab.
5. The subject expert recommended implementing Microsoft Azure as a cloud platform in the Cloud Security syllabus. It was also suggested to include Docker Containers and CI/CD Pipelines so that students gain exposure to modern cloud security practices and deployment workflows.
6. The subject expert recommended incorporating AI-based tools into Software Testing concepts within the Software Engineering course. This inclusion would expose students to modern AI-assisted testing techniques and automation practices used in the software industry.

**The Second Year Course Structure and detailed Syllabi for R25 MCA Program**  
*approved*  
was applied by members with above mentioned recommendations.

#### **Suggestions and Recommendations for the BCA programme:**

These suggestions were aimed at enhancing the curriculum structure, strengthening practical components, and improving industry relevance.

1. The industrial expert recommended incorporating AI and Python Automation into the BCA curriculum structure. The recommendation was made to improve students' practical exposure to automation and AI-driven applications relevant to industry needs.



2. The subject expert recommended introducing Object-Oriented Programming in the second semester of the BCA programme. This suggestion was made to provide students with an early foundation in object-oriented concepts and programming practices.
3. The subject expert recommended including relevant MOOC courses in the BCA curriculum structure. This would encourage self-learning, certification, and exposure to additional industry-relevant knowledge through online platforms.
4. The subject expert recommended extending the laboratory experiments in the C Programming Lab. The proposal was intended to strengthen students' practical coding skills through a wider range of hands-on programming exercises.
5. The subject expert recommended introducing Adobe Photoshop into the BCA curriculum. This inclusion was proposed to provide students with basic design and image editing skills that are useful in multimedia and content development.
6. The subject expert recommended including additional topics in the DBMS syllabus. The suggested topics are NoSQL Databases, Index Creation, Graph Databases, and Transaction Management with Access Control to broaden students' understanding of modern database systems.
7. The subject expert recommended updating the DBMS laboratory experiments. The revision was suggested to align the practical component of the course with the updated syllabus and current database technologies. The industrial expert recommended incorporating industry-relevant tools into the DBMS course. This recommendation was made to provide students with hands-on experience using tools and technologies commonly adopted in the database industry.
8. The subject expert recommended introducing simulation kits in the Computer Organization course. This was proposed to enhance conceptual understanding by enabling students to visualize and simulate hardware-level operations.
9. The industrial expert recommended implementing problem-oriented experiments in the Data Structures laboratory. The aim of this suggestion is to improve students' analytical and problem-solving skills through application-based laboratory exercises.
10. The subject expert recommended introducing Quantum Computing as an elective course in the BCA curriculum structure. This recommendation was made to expose students to emerging technologies and future-oriented computing paradigms.



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11. The industrial expert recommended introducing real-time industry projects into the BCA curriculum. Such projects were suggested to bridge the gap between academic learning and industry practice by providing students with practical project experience.

**The BCA Course Structure and detailed Syllabi for R26 I Year BCA is finalized.**

The members also recommended the MBA Open Elective courses offered by the MCA Department. They appreciated that the Vision and Mission statements of the MCA Department were well drafted and suggested that the same may be continued.

**Dr. Srinivasan, Assistant Professor**, summarized the feedback and expert reviews on the proposed syllabus. The meeting concluded with a vote of thanks by **Dr R.Maruthamuthu**.

**Dr.KalidasYeturu**, Subject Expert – External Member, **Mr.Kasinathan Subramani**, Industry Expert – External Member, **Nagulappagari Vijayakumar**, and Alumni – External Member were attended the meeting through online using MS-TEAMS App.

**Department/Internal Faculty Members:**

| S.No. | Name of the members                                     | Signature |
|-------|---|-----------|
| 1.    | <b>Dr. N. Naveen Kumar</b><br>Professor & Head-MCA      |           |
| 2.    | <b>Mr.Sanath Hegde</b><br>Chief Technology Officer-MITS |           |
| 3.    | <b>Dr. K.Nirmaladevi</b><br>Associate Professor-MCA     |           |
| 4.    | <b>Dr. R. Maruthamuthu</b><br>Academic Co-Ordinator-MCA |           |
| 5.    | <b>Dr. J. Srinivasan</b><br>Assistant Professor-MCA     |           |
| 6.    | <b>Dr. N. Nirmala Devi</b><br>Assistant Professor-MCA   |           |



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| 7. | Miss.J.Vaishnavi<br>I-MCA | <i>Vaishnavi</i> |
|----|---------------------------|------------------|

  
**HEAD OF THE DEPARTMENT**

**Head**  
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