Adhiyamaan College of Engineering, Hosur

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Board of Studies in Computer Applications

32nd Meeting on 15.07.2025

AGENDA

32.1 To consider the curriculum alignment with NEP 2020.

32.2 To consider the approval of minutes and Action Taken Report of the 31st BoS meeting held on 17.12.2024.

32.3 To consider the review and approval of Curriculum Outcome Framework (PEOs, POs, PSOs, COs, CO-PO & CO-PSO mappings, and CO Attainment).

32.4 To review curriculum based on attainment analysis, including CO/PO data, gap identification, and faculty development plans.

32.5 To consider the introduction of IKS-based elective courses.

32.6 To consider the mapping of SWAYAM/NPTEL courses for over-and-above credit transfer.

32.6.1 To consider the NPTEL courses for 3rd semester MCA under Regulation - 2024 for the batch of students admitted during 2024 – 2025.

32.7 To enhance industry engagement and employability through internships, feedback, and skill modules.

32.8 To consider the expansion of elective course / open elective course offerings.

32.9 To consider stakeholder feedback and curriculum benchmarking.

32.10 To consider the proposed curriculum revisions.

32.10.1 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under Regulations - 2024 for the batch of students going to admit during 2025 – 2026 **(Appendix I).**

32.10.2 To consider the curriculum and syllabi under CBCS for the 3rd semester MCA under Regulation - 2024 for the batch of students admitted during 2024 – 2025 **(Appendix II).**

32.11 Any other items with the permission of the Chair.

07.07.2025

Chairman

Chairman, Board of Studies
Faculty of Computer Applications (MCA) (PG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Adhiyamaan College of Engineering, Hosur

(*An Autonomous Institution, Affiliated to Anna University, Chennai*)

Board of Studies in Computer Applications

Minutes of the 32nd meeting of the board of studies in Computer Applications held on 15.07.2025

MEMBERS PRESENT

1.	**Dr. D Swamydoss**	**Chairman**
2.	**Dr. J.B. Jona**	**University Nominee**
3.	**Mr. Ravikumar Devadoss**	**Industry Representative**
4.	**Mr. G Srinivasan**	**Alumni Representative**
5.	**Dr. R. S. Somasundaram**	**Subject Expert**
6.	**Dr. V Sathya**	**Subject Expert**
7.	**Dr. S. Jayaprabha**	**Internal Member**
8.	**Prof. N. Sakthivel**	**Internal Member**
9.	**Prof. S. Malini**	**Internal Member**
10.	**Prof. K. Rajeswari**	**Internal Member**
11.	**Dr. M. Arunadevi**	**Internal Member**

Welcome Address by Dr. D. Swamydoss at the 32nd Board of Studies Meeting, Semester -III (R2024) & Semester – I (R2024) curriculum updates and modifications were discussed to enhance the alignment with NEP 2020, current industry trends and academic requirements. The key suggestions from the members are as follows

32.1 To consider the curriculum alignment with NEP 2020.

RESOLVED that to align the curriculum with the National Education Policy (NEP) 2020 guidelines.

32.2 To consider the approval of minutes and Action Taken Report of the 31st BoS meeting held on 17.12.2024.

RESOLVED that the minutes and Action Taken Report of the 31st BoS meeting, held on December 17, 2024, were considered and approved.

32.3 To consider the review and approval of Curriculum Outcome Framework (PEOs, POs, PSOs, COs, CO-PO & CO-PSO mappings, and CO Attainment).

RESOLVED that the review and approval of the Curriculum Outcome Framework, including PEOs, POs, PSOs, COs, CO-PO & CO-PSO mappings, and CO Attainment, were considered and approved.

32.4 To review curriculum based on attainment analysis, including CO/PO data, gap identification, and faculty development plans.

RESOLVED that the curriculum review based on attainment analysis, encompassing CO/PO data, gap identification, and faculty development plans, was considered and approved.

32.5 To consider the introduction of IKS-based elective courses.

RESOLVED that the proposal for the introduction of Indian Knowledge Systems (IKS)-based elective courses was considered and approved.

32.6 To consider the mapping of SWAYAM/NPTEL courses for over-and-above credit transfer.

32.6.1 To consider the NPTEL courses for 3rd semester MCA under Regulation - 2024 for the batch of students admitted during 2024 – 2025

RESOLVED that the mapping of SWAYAM/NPTEL courses for over-and-above credit transfer was considered and approved. This specifically includes NPTEL courses for the 3rd-semester MCA under Regulation 2024 for the batch admitted during 2024-2025

- NOC25-CS92 : Reinforcement Algorithms
- NOC25-CS100 : Social Network Analysis
- NOC25-CS109 : Software Project Management
- NOC25-CS142 : Ethical Hacking

32.7 To enhance industry engagement and employability through internships, feedback, and skill modules.

RESOLVED that measures to enhance industry engagement and employability through internships, feedback mechanisms, and skill modules were considered and approved.

32.8 To consider the expansion of elective course / open elective course offerings.

RESOLVED that the expansion of elective course / open elective course offerings was considered and approved.

32.9 To consider stakeholder feedback and curriculum benchmarking.

RESOLVED that Stakeholder feedback and curriculum benchmarking processes were considered and approved.

32.10 To consider the proposed curriculum revisions.

32.10.1 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under Regulations - 2024 for the batch of students going to admit during 2025 – 2026 **(Appendix I).**

RESOLVED that the curriculum and syllabi under CBCS for the 1st semester MCA under Regulation - 2024 for the batch of students to be admitted during 2025 – 2026 be approved. (***Appendix – I***).

32.10.2 To consider the curriculum and syllabi under CBCS for the 3rd semester MCA under Regulation - 2024 for the batch of students admitted during 2024 – 2025 (***Appendix II***).

- To Considered the curriculum and syllabi of 3rd Semester offered for the batch of student admitted in 2024-2025 under the Regulation 2024(CBCS) were discussed and modified as follows.

  - **DevOps & Microservices (Theory):** Unit IV and Unit V: The content on pipelines will be revised to reflect more current tools and practical workflows used in modern DevOps practices. – Subject Experts
  - **Software Project Methodologies:** Unit V: Content on SAFe Agile (Scaled Agile Framework) will be incorporated to enrich the learners' understanding of scaled agile approaches in large-scale project management. – Alumni Representative
  - **Data Science**: Unit IV: The existing content will be replaced with Data Science Applications in Health Care, introducing students to analytics techniques relevant to the health sector. – University Nominee
  - **Smart Device Programming:** Include the concept of app testing in the syllabus to ensure students understand and apply testing methods during app development. – Alumni Representative
  - In **Deep Learning**: Introduce PCA (Principal Component Analysis) concepts to enhance understanding of dimensionality reduction techniques. – University Nominee
  - **Soft Computing Technologies**: add a case study component focusing on the application of recent advancements in the field. -Industry Representative.
  - **Human Computer Interaction:** update the syllabus with a recent and relevant textbook to reflect current trends and practices. – Subject Experts
  - **Deep Learning Lab:** Include the concept of Recurrent Neural Networks (RNN) will be added. Exercise 1 will be restructured to integrate foundational understanding of RNNs and practical implementation. - Subject Experts
  - **DevOps & Microservices Lab:** Exercise No. 4 and 6 will be removed due to redundancy and lack of current relevance. – Industry Representative
  - **Soft Computing Technologies Lab**: Exercise No. 9 and 10 will be modified to include updated tools and advanced neural network use cases. – University Nominee

- **Digital Image Processing (Theory):** A new topic on Image Compression Techniques will be added to enhance the syllabus with current digital imaging applications. - Subject Experts

RESOLVED that the curriculum and syllabi under CBCS for the 3rd semester MCA under Regulation - 2024 for the batch of students admitted during 2024 – 2025 be approved with above modification. (***Appendix – II***).

Chairman
Dr. D Swamydoss

15/7/2025
University Nominee
Dr. J.B. Jona

Industry Representative
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Alumni Representative
Mr. G Srinivasan

15/07/25
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