## Minutes of Meeting: Seventh Board of Studies Meeting on 26th May 2025

**Department**: CSE (AI & ML)     **Academic Year**: 2024-2025     **Semester**: II
**Date**: 27/05/2025

The seventh meeting of the Board of Studies of Computer Science & Engineering (AI & ML) Program of PCCoE was held on Monday 26/05/2025 at 10:00 am in Online Mode.

### The following Members were present:-

| Sr. No. | Name | Designation |
|---------|------|-------------|
| 1. | Dr. Anuradha Thakare | BoS Chairman, Department of CSE (AI & ML), PCCOE, Pune. |
| 2. | Prof. Dr. Parikshit Mahalle | Professor & Dean(R&D), VIT Pune |
| 3. | Prof. Dr. Jibi Abraham | Department of Computer IT COEP Technological University, Pune |
| 4. | Prof. Dr. Mangesh Bedekar | Professor & Dean School of CS&E MIT-WPU, Pune |
| 5. | Mr. Avinash Jadhav | Founder & Director Mindlabz Software Solutions Pvt. Ltd. |
| 6. | Mr. Ajay Deshpande | Senior Director, Icertis Solutions, Pune |
| 7. | Mr. Hemant Selmokar | Group Project Manager Infosys, Pune |
| 8. | Mr. Sachin Pawar | Scientist, TCS Research , Pune |
| 9 | Dr. Sonal Gore | Associate Professor |
| 10. | Dr. Jyoti Kulkarni | Associate Professor |
| 11. | Mrs. Shailaja Pede | Assistant Professor |
| 12. | Mrs. Pallavi Dhade | Assistant Professor |
| 13. | Mrs. Santwana Gudadhe | Assistant Professor |
| 14. | Mr. Rajesh Lomte | Assistant Professor |
| 15. | Mrs. Ashwini Deshpande | Assistant Professor |
| 16. | Mrs. Puja Pohakar | Assistant Professor |
| 17. | Mrs. Pradnya Narkhede | Assistant Professor |
| 18. | Dr. Madhuri Pagale | Assistant Professor |
| 19. | Mrs. Pranita Chaudhari | Assistant Professor |
| 20. | Mrs. Suvarna Bhatsangave | Assistant Professor |
| 21. | Mrs. Sarika Bartakke | Assistant Professor |

### Leave of absence was granted to following members and Permanent Invitees

| Sr. No. | Name | Designation |
|---------|------|-------------|
| 1. | Mrs. Manisha Mantri | Joint Director CDAC, Pune Project Director & Investigator of National Resource Centre for EHR Standards |

Agenda for the 7th BoS (BoS:05) meeting was as follows: -

1. **Welcome of Board of Studies CSE (AI & ML)**
2. **Proposed Structure of T.Y. B.Tech CSE (AI & ML)**
3. **Proposed Self study learning hours**
4. **Proposed Syllabus of T.Y. B.Tech CSE (AI & ML)**
5. **Discussion On Proposed Internship Scheme**
6. **Discussion on Advanced and Slow learner identification**
7. **Discussion on Question Paper Pattern and Examination Scheme (RCGC)**
8. **Minor revision in FY, SY BTech and MDM Courses**
9. **Open Discussion**

**The following points were discussed during the meeting: -**

**BoS:07:01: Welcome of Board of Studies CSE (AI & ML)**

**Dr. Anuradha Thakare,** Chairperson of the Board of Studies (BoS), extended a warm welcome to all BoS members representing Academia, Alumni, Industry, Research, and internal stakeholders. She then provided a brief overview of the meeting agenda.

Dr. Thakare presented a snapshot of the department, highlighting the Vision, Mission, and Program Educational Objectives (PEOs) of the CSE (AI & ML) program. She also shared insights into the department's faculty strength, the co-teaching program, ongoing internships, industry collaborations and MoUs, placement updates for the 2025 batch, and the research activities undertaken by the department.

**BoS:07:02: Curriculum Structure of TY BTech Courses as per NEP guidelines.**

The discussion began with a presentation on the semester-wise syllabus structure for Third Year B.Tech. The presentation outlined the subjects finalized under various categories, including Program Core Courses (PCC), Multidisciplinary Minors (MDM), Open Elective Courses (OEC), and Professional Elective Courses, in alignment with the NEP guidelines.

Details regarding credit point allocation, course distribution, and the evaluation scheme were also shared. Notably, two new components—**Professional Elective Seminar** and **Professional Elective Project**—were introduced under the Professional Elective Courses to enhance practical exposure and subject-specific expertise.

**Resolution BoS:07:02:** All the BoS members approved the TY BTech curriculum structure and courses under professional elective courses and open elective courses. The concept of **Elective Seminar** and **Professional Elective Project** was widely appreciated by all members

**BoS:07:03:Proposed Self study learning hours**

**Dr. Anuradha Thakare** presented a brief case study on the integration of self-study hours into the regular curriculum. She explained that, according to the NBA 2024 guidelines, it is now mandatory to incorporate self-study hours for certain courses. Specifically, for 2-credit and 3-credit core and elective theory courses, one hour per week can be designated as a self-learning hour. Students are encouraged to utilize various resources—such as educational videos, websites, libraries, and research papers—to engage in independent learning.

During the discussion, **Dr. Jibi Abraham** expressed concern that 15 self-study sessions over a semester might be excessive. In response, Dr. Thakare clarified that the semester comprises 15 weeks, and self-learning hours are to be added for a maximum of five theory courses. This would amount to

approximately one hour of self-study per day, which she believes is a manageable and beneficial addition to the curriculum.

**Resolution BoS:07:03:** All BoS members appreciated the case study presented and approved inclusion of self learning hour strategy.

**BoS:07:04: Proposed Syllabus of T.Y. B.Tech CSE (AI & ML)**

All course coordinators presented the proposed syllabus for their respective courses. The following observations and suggestions were noted:

- **Mr. Sachin Pawar** and **Dr. Parikshit Mahalle** recommended including the latest editions of reference books.

- **Dr. Jibi Abraham** suggested incorporating real-time network connectivity concepts and adding **socket programming** to the *Computer Networks* syllabus.

- **Mr. Ajay Deshpande** and **Mr. Hemant** proposed integrating **API concepts** under the application layer of the same course.

- **Mr. Hemant** further recommended introducing interfaces and assignments related to **Large Language Models (LLMs)** in the *Embedded AI Laboratory* course and appreciated the overall structure of the syllabus.

- **Dr. Parikshit Mahalle** advised including the **Knuth-Morris-Pratt (KMP)** string matching algorithm in the *Design and Analysis of Algorithms* course.

- **Dr. Jibi Abraham** suggested focusing on one specific **hash algorithm** in depth, rather than covering all, in the *Information Security* course.

- **Dr. Mahalle** additionally proposed conducting a **case study on the AVISPA tool**, if feasible.

- **Dr. Jibi Abraham** also recommended the inclusion of the **Flower architecture** for federated learning in the *Edge Computing* syllabus.

- Elective seminar and project concept was appreciated by all the members.

- All the BoS members appreciated the TY Btech Syllabus.

**Resolution BoS:07:04:** The Board of Studies members acknowledged and appreciated the proposed syllabus for T.Y. B.Tech CSE (AI & ML) and approved it with minor modifications as suggested.


**BoS:07:05: Discussion On Proposed Internship Scheme**

**Dr. Sonal Gore** presented the **2:4:6 credit scheme and structure** of the Internship program. The proposed structure was well-received, with **Prof. Jibi Abraham** commending it as a well-organized initiative. She also suggested extending the **duration of internships** during the final year to enhance industry exposure.

**Resolution:BoS:07:05:** All BoS members appreciated and approved an Internship scheme of 12 credits.

**BoS:07:06:Discussion on Advanced and Slow learner identification**

**Dr. Anuradha Thakare** discussed the policy for identifying and supporting **Advanced and Slow Learners**. She elaborated on the criteria for identification and outlined the range of activities and interventions planned to address their learning needs.

**Prof. Jibi Abraham** suggested encouraging advanced learners to enroll in **NPTEL courses** as part of their extended learning activities

**Resolution BoS:07:07:** All BoS members appreciated the strategies proposed for identifying and supporting advanced and slow learners.

**BoS:07:07:Discussion on Question Paper Pattern and Examination Scheme (RCGC)**

**Prof. Shailaja Pede** presented the current question paper pattern. As there has not been much variation in the intake quality over the past three years, all members recommended continuing with the existing pattern based on Bloom's Taxonomy, maintaining a distribution of 40% easy, 40% moderate, and 20% high-complexity questions.

**Prof. Shailaja Pede** presented the proposed **new examination pattern—RCGC—**and the various schemes available under it. During the discussion, **Prof. Jibi Abraham** raised a query regarding whether students would have the flexibility to choose among the different schemes.

**Dr. Sonal Gore** addressed the query, clarifying that the examination framework is designed to cater to diverse learning needs. She explained that **slow learners** could benefit from an **open book test**, while **advanced learners** could opt for an **open-ended question scheme**, thereby ensuring inclusivity and academic growth.

The members also recommended introducing a **Red Channel** for critical or exceptional cases, with the condition that students be allowed to utilize this option **only once during their entire degree program.**

**Resolution BoS:07:07:** All BoS members recommended continuing the existing question paper pattern scheme.The proposed examination scheme was appreciated for its inclusive approach, and it was suggested to seek further feedback before implementation.

**BoS:07:08: Minor Revisions in FY, SY B.Tech and MDM Courses**

The following minor revisions were proposed and discussed:

- **Course Outcomes** for *Data Science* (First Year B.Tech) were updated.

- An assignment on **Graph-related concepts** was added to the *Advanced Data Structures Laboratory*.

- The syllabus for *Introduction to Generative AI* from the **MDM: Generative AI** course (Semester III) was **rearranged** for better content flow.

**Resolution:BoS:07:08**
All BoS members reviewed and **approved the minor revisions** to the FY, SY, and MDM courses.

The meeting concluded with a **presentation summary** and a **vote of thanks** delivered by **Dr. Anuradha Thakare**, BoS Chairperson, and **Prof. Shailaja Pede**, Autonomy Coordinator.

**Dr. A.D.Thakare**
**BoS Chairman & Head of Department**
**Computer Science & Engineering (AI & ML)**
**PCCoE, Pune.**

**Enclosures:**
1. Meeting Photograph

### Meeting Photographs: