

PCCOE / CSE (AI & ML) / 2023-24 / 251



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering

Minutes of Meeting: Fourth Board of Studies Meeting on 7th May 2024

Department: CSE (AI & ML)

Academic Year: 2023-2024

Semester: II

Date: 08/05/2024

The fifth meeting of the Board of Studies of Computer Science & Engineering (AI & ML) Program of PCCoE was held on Tuesday 07/05/2024 at 10:00 am in Hybrid Mode.

The following Members were present:-

Sr. No.	Name	Designation
1.	Dr. Anuradha Thakare	BoS Chairman, Department of CSE (AI & ML), PCCOE, Pune.
2.	Dr. Yogesh Deshpande	Professor, (Director VU Digital) Vishwakarma University, Pune
3.	Dr. Sudhir Dhage	Professor, Department of Computer Engineering, Sardar Patel Institute of Technology, Mumbai.
4.	Dr. Sandhya Arora	Professor Computer Engineering, Cummins College of Engineering Pune.
5.	Dr. Yogesh Kulkari	Principal Architect (CTO office, Icertis)
6.	Mr. Hemant Selmokar	Project Manager, Infosys Pune
7.	Dr. Manisha Mantri	Joint Director, CDAC Pune
8.	Mr. Shyam Deshmukh	Tech Lead QA Engineer, NICE, Pune.
9.	Dr. Sonal Gore	Associate Professor
10.	Dr. Sanjay Talbar	Adjunct Professor
11.	Mrs. Shailaja Pede	Assistant Professor
12.	Mrs. Pallavi Dhade	Assistant Professor
13.	Mrs. Santwana Gudadhe	Assistant Professor
14.	Dr. Vishal Patil	Assistant Professor
15.	Mrs. Pradnya Narkhede	Assistant Professor
16.	Mrs. Madhuri Pagale	Assistant Professor
17.	Mrs. Pranita Chaudhari	Assistant Professor
18.	Mrs. Suvarna Bhatsangave	Assistant Professor

Following permanent Invitees were present:-

Sr. No.	Name	Designation
1.	Dr. Yogesh Deshpande	Professor, (Director VU Digital) Vishwakarma University, Pune
2.	Dr. Sudhir Dhage	Professor, Department of Computer Engineering, Sardar Patel Institute of Technology, Mumbai.
3.	Dr. Sandhya Arora	Professor Computer Engineering, Cummins College of Engineering Pune.
4.	Dr. Yogesh Kulkari	Principal Architect (CTO office, Icertis)
5.	Mr. Hemant Selmokar	Project Manager, Infosys Pune
6.	Dr. Manisha Mantri	Joint Director, CDAC Pune
7.	Mr. Shyam Deshmukh	Tech Lead QA Engineer, NICE, Pune.

Leave of absence was granted to following members and Permanent Invitees

Sr. No.	Name	Designation
1.	Mr. Ambrish Dantrey	Senior Manager, System Software at NVIDIA

Agenda for the 5th BoS (BoS:05) meeting was as follows: -

1. To confirm the Minutes of the meeting of the 4th BoS conducted on 26th July 2023.
2. Approval for the syllabus of SY BTech and Final Year BTech courses and Minor revision in FY BTech and TY BTech Courses.
 - A. Syllabus and Structure of SY BTech courses as per NEP guidelines.
 - B. Syllabus of Final Year BTech courses
 - C. Minor revision in Syllabus and evaluation scheme of F.Y BTech and TY BTech courses
3. Approval for Multidisciplinary Minor Courses offered by the CSE (AI and ML) program to other programs.
 - A. Curriculum Structure & Syllabus of Generative AI.
4. Approval for Open Elective Courses offered by the CSE (AI and ML) program to other programs.
5. Open Discussion
6. Vote of Thanks

The following points were discussed during the meeting: -

Dr Anuradha Thakare Chairman BoS, welcomed all the BoS Members and briefed them about the agenda for today's meeting. Further, she also discussed the new framed PSO's for our department.

BoS:05:01- To confirm the Minutes of the meeting of the 4th BoS conducted on 26th July 2023.

Prof. Shailaja Pede, an autonomy coordinator, has confirmed the minutes of the meeting of 4th BoS conducted on 26th July 2024. The action taken on the suggestions of BoS were implemented. In conclusion, all the actions suggested by the BoS members were implemented.

Resolution BoS:05:01: The BoS Members have approved the minutes of the fourth meeting of the BoS.

BoS:05:02 . : Approval for the syllabus of SY BTech and Final Year BTech courses and Minor revision in FY BTech and TY BTech Courses.

BoS:05:02:A: Syllabus and Structure of SY BTech Courses as per NEP guidelines.

The discussion started with the presentation on semester-wise syllabus structure of SYBTech along with the subjects finalized under different categories such as the Program Core Course (PCC), Multidisciplinary Minor (MDM) and Open Electives Courses (OEC) offered by other departments to our students and community engineering project (CEP), as per NEP guidelines. The credit point allocation, distribution and evaluation scheme was also presented.

The respective course chairman presented syllabus for Machine Learning, Data Structure, Object Oriented Programming Lab, Data Structure Lab, Theory of Computation, Database Management Systems, and Database Management Systems Lab. The fruitful discussions happened on all these courses along with two new additions the Community Engineering Project (CEP), and Advanced Data Structure Lab and n Open Electives offered by other departments to CSE (AI & ML) Program. The members approved the course syllabus.

Following discussion happened on Open Elective, CEP and Advanced Data Structures:

Mr. Hemant Selmokar asked a query regarding the community field project (CEP) and how it will map with environmental science? Dr. Sanjay Talbar explained the given case studies in CEP and justified the mapping of given case studies with environmental science. He also shared a plan of field study detailing how students can reach the field to collect data and select their own case study to perform projects under the guidance of faculty.

Dr . Sandhya Arora suggested grouping the assignments of Advanced-Data Structure Lab appropriately. The Course chairman agreed to the changes.

Mr. Hemant Selmokar suggested to select open electives which are mostly related to students technical background and also to avoid such electives which are having duplicate contents with core courses of CSE(AI & ML) department.

Resolution BoS:05:02:A: All the BoS members approved the SY BTech Structure and Syllabus.

BoS:05:02:B : Syllabus of Final Year BTech courses

The semester-wise syllabus structure of Final Year BTech course along with different categories such as Program core, Professional electives, Open electives offered by other departments to CSE (AI & ML) department was presented. Internship guidelines and Major project structure are also discussed.

Following discussion happened on Final Year BTech courses:

Mrs. Santwana Gudadhe Presented the syllabus of Generative AI. Mrs. Manisha Mantri and Mr. Hemant Selmokar suggested incorporating Transformer Models in Generative AI Syllabus (Professional Elective - IV) and Dr. Sandhya Arora suggested adding Code generation using Generative AI (CodePiolet) concept in the Generative AI Syllabus (Professional Elective - IV). Department BoS Members and the Course chairman agreed on the above suggestions.

Mrs. Pallavi Dhade presented the syllabus of AI in Cyber Security. Mrs. Manisha Mantri also suggests incorporating a Mini Project in the AI in Cyber security lab course syllabus. Department BoS Members and the Course chairman agreed on the suggestion.

Dr. Yogesh Deshpande and Dr. Sandhya Arora Suggested that in AI & ML Course Bio- inspired systems and Computing Subject would be selected as Open elective for CSE (AI & ML) students this will be a more suitable and useful one.

Mr. Hemant Selmokar sir Suggested regarding the Major project that a guideline should be added for students in the syllabus for preparing a 5 min video on demonstration of the project.

Resolution BoS:05:02:B: All the BoS members approved the Final Year BTech Structure and Syllabus.

BoS:05:02:C : Minor revision in Syllabus and evaluation scheme of TY BTech courses

Mrs. Shailaja Pede discussed Minor changes made in the TY BTech syllabus, changes in Course Outcomes of CN & IOT subject and evaluation scheme for all subjects.

Further, she also mentioned the minor changes in FY BTech syllabus, the Object oriented programming lab is moved from SY BTech to FY BTech under VSEC category instead of Python Programming and a change in evaluation scheme for all subjects.

Resolution BoS:05:02:C: All the BoS members approved the Minor changes in the syllabus of FY BTech and TY BTech courses.

BoS:05:03: Approval for Multidisciplinary Minor Courses offered by the CSE (AI and ML) program to other programs.

Mrs. Shailaja Pede presented the syllabus structure of the Multidisciplinary Minor course Generative AI offered by CSE (AI & ML) department to other programs.

BoS:05:03:A: Curriculum Structure & Syllabus of Generative AI.

Mrs. Santwana Gudadhe presented the syllabus of Generative AI complete course. Dr Sandhya Arora suggested incorporating the topic “Challenges without Generative AI” in the first MDM course, Introduction to Gen AI. Dr. Sanjay Talbar and Mrs. Manisha Mantri suggested changing the name of the 3rd Unit as Statistical techniques for Data Processing instead of Probability and Statistics. Mr. Hemant Selmokar and Mrs. Manisha Mantri Suggested to add some important points in data processing such as Understanding of data, Training data, testing data, Data for AI etc.

In the Large Language Model in Gen AI course, Dr. Sandhya Arora Suggested to incorporate some concepts like Hyperparameter tuning, fine tuning for all LLM. Dr. Yogesh Deshpande suggested adding

a Comparison of all LLM in the first unit of this course.

Mr. Hemnat Selmokar and Mrs. Manisha Mantri suggested adding Gemini and GPT-like Models or BERT-like models instead of precise GPT or BERT models.

Dr. Sandhya Arora suggested adding a Lab for this syllabus and incorporating a Mini Project or case study in it for Higher order thinking skills.

In the Generative AI Application course, Dr. Sandhya Arora suggested introducing the Code generation concept.

All BoS Members and departmental members agreed on the suggestions.

Resolution BoS:05:03: All the BoS members appreciated and approved the Multidisciplinary minors syllabus.

BoS:05:04: Approval for Open Elective Courses offered by the CSE (AI and ML) program to other programs.

Mrs. Shailaja Pede presented the Syllabus of Open elective subjects Data Science, Artificial Intelligence for Financial Modelling, Business Intelligence and Applied AI.

In course, Data Science, Dr. Sandhya Arora and Dr. Sanjay Talbar sir suggested changing the name of the third Unit as Model Evaluation for Regression and classification instead of Model Evaluation for Regression.

Dr. Hemant Selmokare suggested incorporating some finance-related case studies in the AI for Financial Modelling course. As this subject is more practical, Mr. Hemant Selmokar also suggested incorporating Lab for the Same.

BoS:05:05: Open Discussion

Mr. Hemant Selmokar appreciated MDM Generative AI offered by CSE (AI & ML) department and suggested offering MDM course of CSE(AI & ML) course to other corporate employees too.

Dr. Yogesh Deshpande suggested linking the Community field Project (CEP) with the NSS.

Dr. Sudhir Dhage suggested adding mathematical based contents in the Data Science Theory course to make it a suitable course under Open Elective Course Category.

Dr. Yogesh Deshpande asked whether curriculum suffices the need for an exit policy according to NEP 2020. As there are four options for exit with relevant degrees to be awarded based on credit earned. Dr. Sonal Gore explained that this care is already taken whereas; at institute level this policy is not yet implemented. As per NEP directives, certification to be awarded after first year, Diploma in major branch to be awarded after second year, 3-year degree to be awarded after third year, 4-year UG degree with one Minor to be awarded after Final year.

06: Vote of Thanks

Meeting ended with a presentation summary and a vote of thanks by Dr. Anuradha Thakare, BoS

Chairman and Prof. Shailaja Pede, Autonomy Coordinator.

Dr. A.D.Thakare

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

Chairman, Board of Studies

**Computer Science & Engineering (AI & ML)
PCET's Pimpri Chinchwad College of Engineering
Sector 26, Pradhikaran, Nigdi, Pune - 411044.**

Enclosures:

1. Meeting Attendance
2. Meeting Photograph

Meeting Photographs:



