KPRIET
Learn Beyond

Date: 31.05.2025

Board of Studies (BoS)

Minutes of Meeting

Venue	:	Care Studio, KPRIET (Hybrid)
Meeting ID	:	Google Meet https://meet.google.com/mcy-dkks-iko
Date	:	31 MAY 2025 (Saturday)
Time	:	11:00 AM - 12.00 PM

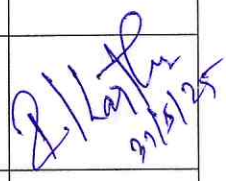
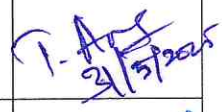
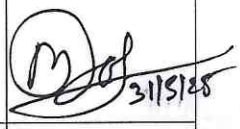
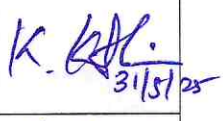
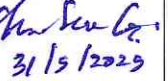
Agenda:

To discuss and pass

- Discussion on the minutes of previous (6th) BoS meeting and actions taken
- Industry offered One Credit Courses (Completed & Proposed)
- Value Added Courses (Completed & Proposed)
- MOOC / Online Courses (Completed & Proposed)
- R2025 Regulations – Curriculum and Syllabus for Semester 1 & 2
- Discussion on any other matters.

Members Present:

S. No.	Name of the member with Designation	Category	Signature
1.	**Mr. G. Pandiya Rajan,** Assistant Professor III and Head, Department of CSE (AIML), KPRIET	Chairman	
2.	**Dr. M. Vijayalakshmi,** Professor, Department of Computer Science and Engineering, Thiyagarajar College of Engineering, Madurai.	University Nominee	
3.	**Dr. Partha Pratim Roy,** Associate Professor, Dept. of Computer Science and Engineering, Indian Institute of Technology (IIT), Roorkee.	Academic Expert	**Online**

S. No.	Name of the member with Designation	Category	Signature
4.	**Dr. Mohanraj Vengadachalam** Machine Learning Lead, Standard Chartered GBS, Chennai	Subject / Industry Expert	**Online**
5.	**Mr. Vinith Aswath A S** Senior Software Engineer, Walmart Global Tech, Perungudi, Chennai	Industry Expert	**Online**
6.	**Ms. Gayathri G** Assistant Consultant, Tata Consultancy Services, Siruseri, Chennai	Industry Expert	**Online**
7.	**Dr. Karthick Panneerselvam** Associate Professor, Department of CSE (AIML) / KPRIET	Member	
8.	**Mr. T. Anandakrishnan** Assistant Professor III, Department of CSE (AIML) / KPRIET	Member	
9.	**Mr. S. Nandhagopal** Assistant Professor II, Department of CSE (AIML) / KPRIET	Member	
10.	**Mr. Anish Antony** Assistant Professor II, Department of CSE (AIML) / KPRIET	Member	
11.	**Mr. Biplab Das** Assistant Professor I, Department of CSE (AIML) / KPRIET	Member	
12.	**Ms. Kiruthiga K** Assistant Professor I, Department of CSE (AIML) / KPRIET	Member	
13.	**Mr. Shyam Sundar,** III Year, Department of CSE (AIML) / KPRIET	Student Representative	
14.	**Mr. Sathya,** III Year, Department of CSE (AIML) / KPRIET	Student Representative	

S. No.	Name of the member with Designation	Category	Signature
15.	**Mr. Harish P,** III Year, Department of CSE (AIML) / KPRIET	Student Representative	

Minutes of the 7th BoS Meeting

The meeting was convened by the Board Chairman. He welcomed all the members of the Board of Studies of CSE (AIML) department.

The meeting was conducted with the presentation on discussion of the previous BoS meeting minutes and action taken, Approval for Industry offered One Credit Courses, Value Added Courses, MOOC and other Online Courses, Industry internship (Industrial Training), Question paper setting examiners and examiners for practical examinations, and Valuation.

Also get the common suggestions for the next Regulations R2025 from the members of Board of Studies.

Previous (6th) BoS Meeting Major Points

Points discussed

- One Credit Courses (Industry offered courses)
- Value Added Courses
- MOOC / Online Courses
- List of industries for internship (Industrial Training / Internship)
- Any other points for discussion

Major Suggestions

- Prof. Partha Pratim Roy suggested to include Camera Models like SIFT, Handcraft in Computer vision and Image Processing.
- Prof. Partha Pratim Roy suggested to add traditional models in Application of Computer vision for the subject Computer vision and Image Processing.
- Prof. M Vijayalakshmi suggested to encourage the students to undergo the internships in industry (with stipend)

- Dr. V Mohanraj suggested to include Zscore Normalization, Data Normalization and DB-Scan and Ensemble Learning techniques in Machine Learning Essentials.
- Dr. V Mohanraj suggested to add Performance measures along with pre trained architecture for Deep Learning Application in Neural Networks and Deep Learning.

Actions Taken

- Camera Models (SIFT, Handcraft), Various traditional models, Applications of Computer vision included in the course "Computer Vision".
- Industry Internships (with stipend)
  - 08 Students are receiving stipend in 2024-2025.
- Zscore Normalization, Data Normalization and DB-Scan and Ensemble Learning techniques included in the course "Machine Learning Essentials".
- Performance measures along with pre trained architecture for Deep Learning Application included in the course "Neural Networks and Deep Learning".

Minutes of Seventh BoS Meeting

Mr. G. Pandiya Rajan, Chairperson, Computer Science and Engineering (Artificial Intelligence and Machine Learning) moved the following items recommended by the Board of Studies (BoS) in Computer Science and Engineering (Artificial Intelligence and Machine Learning):

- Syllabi for the following Industry One Credit Courses under Regulations 2021 were presented.
  - Building Intelligent Agents with Generative AI
  - LangChain for LLM Applications
- Syllabi for following Value-Added Courses under Regulations 2021 were presented.
  - Explainable AI (XAI) for Ethical AI Applications
  - Prompt Engineering for Generative AI
  - Advanced Vision using YOLO and Object Tracking
- Approval for the following MooC Online courses
  - Foundations of Virtual Reality
  - Statistical Learning for Reliability Analysis
  - Cyber Security and Privacy

- Approval for R2025 Curriculum and Syllabus for 1 & 2 Semesters.
  - Semester I
    - English Proficiency - I
    - Calculus and Differential Equations
    - Engineering Physics
    - Chemistry for Computer and Information Science
    - Problem Solving and C Programming
    - Digital Technologies
    - PC Building Essentials
    - German I / Japanese I / French I / Hindi I
  - Semester II
    - English Proficiency - II
    - Linear Algebra and Number Theory
    - Applied Physics
    - Environmental Science and Sustainability
    - Computational Problem Solving using Python
    - Basics of Electrical Engineering
    - Foundations of Artificial Intelligence
    - Linux and Shell Scripting Lab
    - German II / Japanese II / French II / Hindi II
  - Semester III
    - Digital Principles and Computer Organization
    - Database Management Systems
    - Object Oriented Programming
    - Applied Probability and Statistics for Computing
    - Data Structures
    - Data Analytics with R
    - Database Management Systems Laboratory
    - Object Oriented Programming Laboratory
  - Semester IV
    - Internet of Things
    - Operating Systems
    - Machine Learning

- Open Elective – I
- Discrete Structures and Numerical Techniques
- Design and Analysis of Algorithms
- English Course
- Operating Systems Laboratory
- Machine Learning Laboratory

- Semester V
  - Internet and Web Programming
  - Deep Learning
  - Professional Elective – I
  - Professional Elective – II
  - Open Elective – II
  - Computer Networks
  - Internet and Web Programming Laboratory
  - Deep Learning Laboratory
- Semester VI
  - Generative AI
  - Feature Engineering
  - Professional Elective – III
  - Professional Elective – IV
  - Open Elective - III
  - Cloud and Big Data Analytics
  - Generative AI Laboratory
  - Feature Engineering Laboratory
- Semester VII
  - Text and Visual Analytics
  - High Performance Computing
  - Professional Elective – V
  - Professional Elective – VI
  - Open Elective – IV
  - Text and Visual Analytics Lab
  - Project Work Phase – I

- Semester VIII
    - MOOC / Professional Certification
    - Project work Phase – II
- List of Professional Elective Courses
    - Exploratory Data Analysis and Visualization
    - Reinforcement Learning
    - Computer Vision
    - Object Detection and Face Recognition
    - Optimization Techniques
    - Medical Image Analysis using CNNs
    - Explainable AI (XAI)
    - Multimodal GEN AI

- Approval for Open elective course "**Digital Transformation with AI Tools**" to other branch students.

Purpose of offering the open elective "Digital Transformation with AI Tools" course:

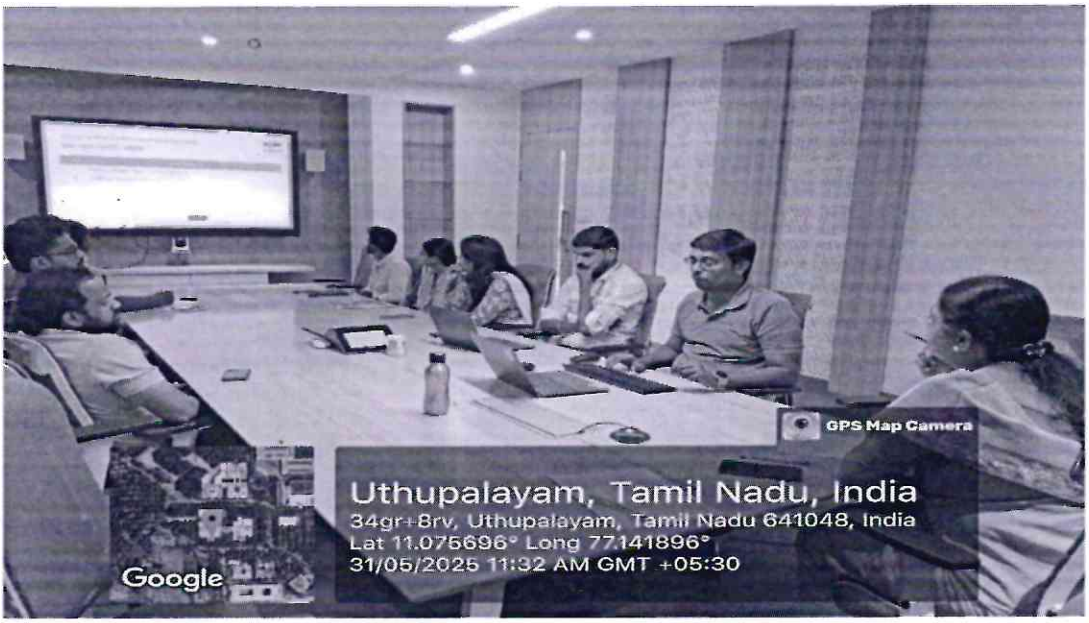
- Promote interdisciplinary learning across engineering and management fields.
- Enhance industry readiness with AI and digital tool exposure.
- Provide hands-on experience using no-code/low-code AI platforms.
- Encourage domain-specific problem-solving using AI tools.
- Bridge the technology gap between core and computing disciplines.
- Support Outcome-Based Education (OBE) and employability skills.
- Foster teamwork and collaborative project-based learning.
- Promote innovation and entrepreneurial thinking.

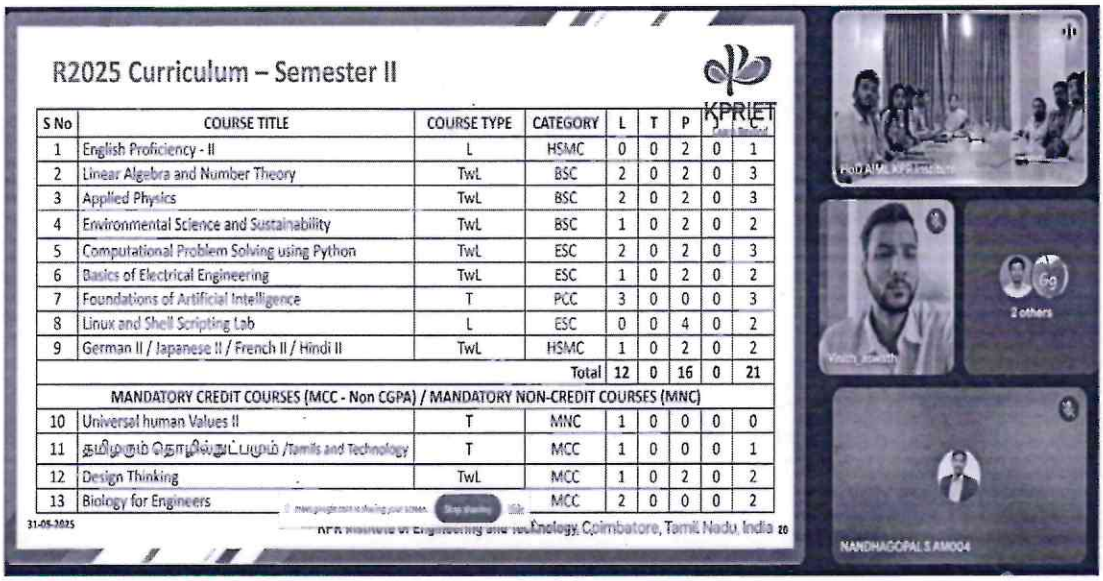
Course Objectives

- To understand the role of Artificial Intelligence in driving digital transformation.
- To explore AI-based tools that enable automation, intelligent decision-making, and data visualization.
- To apply low-code/no-code platforms for solving domain-specific problems.

Suggestions from the Members

- Prof. Dr. M. Vijayalakshmi
  - Suggested to include the advanced Generative AI concepts through One Credit courses.
  - Suggested to split the "Data Structures" (Theory with Lab) course into two separate courses Data Structures (Theory) & Data Structures Laboratory.
  - Students will be equipped to model real-world problems using AI techniques and tools.
- Prof. Dr. Partha Pratim Roy
  - Suggested to introduce Data Science and Visualization Tools early (Unit III), helping bridge AI theory with practice in "Foundations of Artificial Intelligence" course.
  - Suggested to familiarize first-year students with basic Linux commands, shell scripting, file handling, and system-level operations, enhancing their foundational understanding of operating systems and scripting.
- Dr. Mohanraj Vengadachalam
  - Suggested to emphasizes the curriculum with AIML foundation, Core and advanced technologies.
  - Suggested to introduce basic file handling and system navigation experiments in "Linux and Shell Scripting Lab" course.
- Mr. Vinith Aswath
  - Emphasized the need of distinguish between rule based and model-based systems for better conceptual clarity.
  - Suggested to introduce a comparative study of classical and modern AI methodologies.
- Ms. Gayathri
  - Suggested to plan value-added courses in the upcoming odd semester to further bridge curriculum and industry expectations.
  - Suggested to propose MOOCs for the next semester to align with current trends and ensure global learning exposure.





R2025 Curriculum – Semester II

S No	COURSE TITLE	COURSE TYPE	CATEGORY	L	T	P	C
1	English Proficiency - II	L	HSMC	0	0	2	0	1
2	Linear Algebra and Number Theory	TwL	BSC	2	0	2	0	3
3	Applied Physics	TwL	BSC	2	0	2	0	3
4	Environmental Science and Sustainability	TwL	BSC	1	0	2	0	2
5	Computational Problem Solving using Python	TwL	ESC	2	0	2	0	3
6	Basics of Electrical Engineering	TwL	ESC	1	0	2	0	2
7	Foundations of Artificial Intelligence	T	PCC	3	0	0	0	3
8	Linux and Shell Scripting Lab	L	ESC	0	0	4	0	2
9	German II / Japanese II / French II / Hindi II	TwL	HSMC	1	0	2	0	2
			Total	12	0	16	0	21
MANDATORY CREDIT COURSES (MCC - Non CGPA) / MANDATORY NON-CREDIT COURSES (MNC)								
10	Universal human Values II	T	MNC	1	0	0	0	0
11	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	T	MCC	1	0	0	0	1
12	Design Thinking	TwL	MCC	1	0	2	0	2
13	Biology for Engineers		MCC	2	0	0	0	2

02/06/2025
Chairman
BOS/CSE (AIML)
(Pandiya Rajan G)