

B.N.M. Institute of Technology

An Autonomous Institution under VTU, Approved by AICTE
Department of Artificial Intelligence and Machine Learning

Minutes of the Meeting

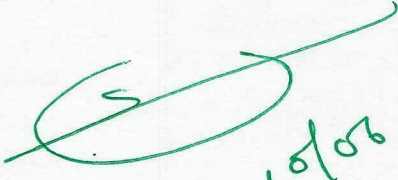
Meeting Details	5 th BOS Meeting
Date	24/05/2025
Time	11 AM to 1.30 PM
Venue	A-Block, A111(A & B)

Members Present	1. Dr. Sheba Selvam, Chairperson 2. Dr. Umadevi V, VTU Nominee 3. Dr. Ramesh Kestur, Subject expert from outside university 4. Dr. Mary Anita EA, Subject expert from outside university 5. Dr. Jayashree R, Subject expert from outside university 6. Mr. Akash Konnur, Industry expert 7. Mr. Shashank K S, Industry expert 8. Mr. Chandan H, Alumni 9. Dr. Tejaswini RM, Member 10. Dr. Sunita R, Member 11. Dr. Anitha C, Member 12. Dr. Mahanthesha U, Member 13. Dr. Nagarathna C R, Member 14. Mrs. Pavithra H C, Member 15. Dr. Kakoli Bora, Member Secretary
Members Absent (Reasons)	-NIL-
Agenda	1. Welcome address 2. Introduction 3. Best practices in curriculum design 4. Discussion on department's new Vision, Mission, PEOs and PSOs 5. Presentation of 2024 scheme and Syllabus of 3rd & 4th semester AIML 6. Presentation of 2023 scheme and Syllabus of 5th & 6th semester AIML 7. Presentation of 2022 scheme and Syllabus of 7th & 8th semester AIML 8. Any other suggestions to the department 9. Concluding remarks by member secretary.
Proceedings of the meeting	
• The meeting started with welcome speech by the chairperson followed by introduction of VTU nominee, External Subject experts, Industry experts, alumni and BNMIT internal members. • Best practices in curriculum design were discussed. • Discussion on department's new Vision, Mission, PEOs and PSOs.	

• Scheme and syllabus of 2024, 2023, and 2022 scheme of Artificial Intelligence and Machine Learning for Autonomous was presented. • Suggestions by expert members are discussed during the presentation. • Member Secretary briefed about suggestions discussed and concluded meeting with thank you note.		
Recommendations / Suggestions from the BOS Members		Action Taken
Member1 Dr. Umadevi V Professor, Department of CSE, BMSCE, Bengaluru. (VTU NOMINEE)	• Suggested to reduce few topics from each module in Gen AI syllabus • Advised to look into the GATE syllabus while framing the syllabus. • Advised to introduce Agentic AI course • Suggested to study all core AIML subjects by 6th semester. • Suggested to reframe the PSOs and PEOs to better align the AIML course with current industry needs, emerging technologies, and expected graduate competencies.	• Changes are incorporated in the syllabus • GATE syllabus was considered for syllabus formation. • Agentic AI course is added in 7th sem for 2023, 2024 scheme and one module is added to 2022 batch. • Changes in PEOs and PSOs will be incorporated.
Member2 Dr. Ramesh Kestur Senior Research Fellow and Adjunct Faculty IIT-B (Subject Expert from outside university)	• Suggested to include self-supervised learning, multimodal in Machine Learning and related courses • Suggested to include time-llm for time series forecasting. • Suggested including the taxonomy of generative models in module 2, in the Generative AI course. • Advised to add practical components to build and use LangChain and RAG in Generative AI. • Suggested to reduce theory by adding more applications and RLHF in the RL course. • Advised to include multi agentic RL in Reinforcement Learning	• Suggested topics are included in the syllabus. • Suggested practical components are added
Member 3 Dr Mary Anita EA, Professor & Head, Dept. of Computer Science & Engineering, Christ (Deemed to be University), B'luru	• Suggested to include security in LLMs in Generative AI. • Suggested to allot the correct number of hours for each course as per credit according to NBA guideline. • Advised to include required credits for analytical/mathematics subjects that are needed for higher education. • Suggested to incorporate core terms like quality education, research, entrepreneurship in vision, mission statements.	• Safety in LLM is added in 5th Module of Generative AI. • Suggestions will be incorporated. • Vision, mission statements will be reframed as per suggestions.

(Subject Expert from outside university)		
Member 4 Dr. Jayashree R Professor & Head, CS (AIML), PES University, RR campus, Bengaluru. (Subject Expert from outside university)	- Suggested to rename 3rd semester Mathematics to Mathematics for Computer Science or Mathematics for ML - Suggested renaming 4th semester Mathematics to Statistics for Computer Science. - The curriculum is well structured and detailed.	We have discussed the syllabus framed for mathematics of IT branches and it was well appreciated.
Member 5 Mr. Akash Konnur Software Engineer II, HashedInByDeloitte, Bengaluru. (Industry Expert-1)	- Suggested to include CAP theorem and lab experiments on NoSQL database in DBMS. - Advised to take up certification courses like PSPO in SEPM. - Advised to include API development in CNS. - Suggested to add Rust programming language in lower semester.	- Free PSPO certification will be suggested to students. - Suggested changes are added - Rust programming language will be included as a workshop for students.
Member 6 Mr. Shashank K S Senior Security Analyst, Elastic, Bengaluru. (Industry Expert-2)	- Suggested to collaborate VR&AR projects with LLMs. - Suggested to include AWS practitioner certification for Cloud Computing course. - Suggested to include security in LLMs as one module.	7th semester students will be suggested to use VR&AR in final projects. - AWS is added in cloud computing course - Safety in LLM is added in 5th Module of Generative AI.
Member 7 Mr. Chandan H (Alumni)	- Suggested to include API invocation like REST and fast API. - Advised to remove types of GANs from Generative AI course and add other important topics. - Suggested to build models from scratch in LLM text generation in Generative AI	- All the suggestions will be incorporated while teaching the respective course. - Types of GANs are kept as lab components. - Building models using LLM is being added as a practical components.
Concluding Remarks by Member	Module 5 of DBMS should be on NoSQL database, and lab components should be added.	

Secretary	• In the 2024 scheme, Rust programming language should be added. • In 2023 scheme, Generative AI should be studied in 6th semester and Agentic AI should be introduced in 7th semester. • In CNS, API development topics should be added. • In Reinforcement Learning, RLHF should be included. • The 5th module of Generative AI should be revised. • Thanked all BOS members for their constructive suggestions.	
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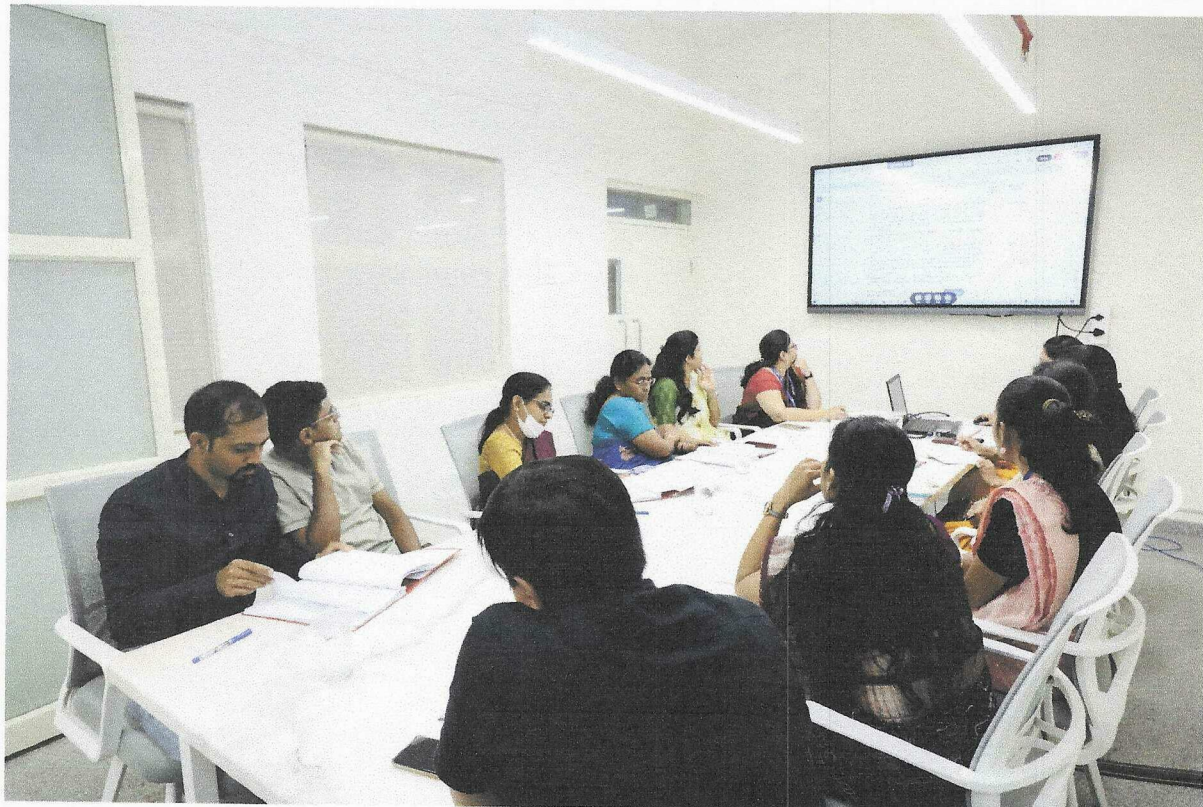
Additional Director & Principal
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 Bangalore-560 070

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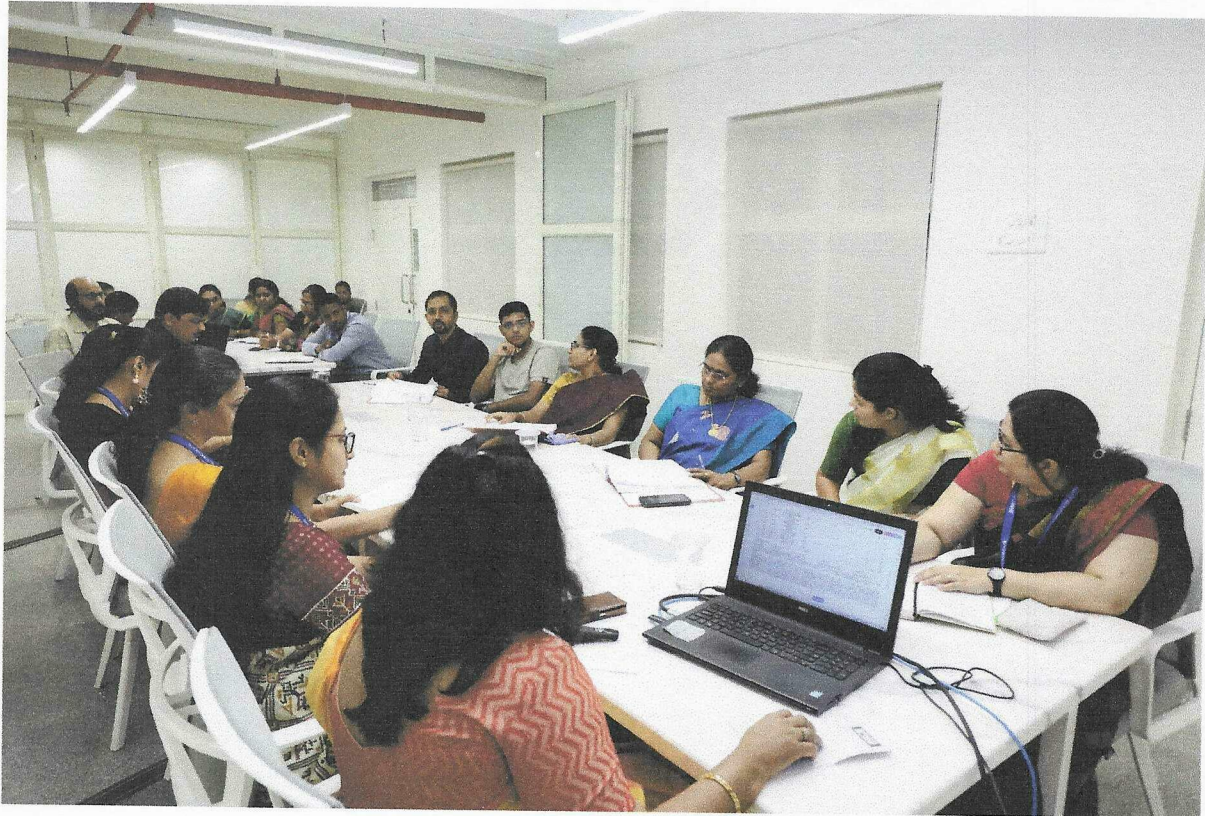
Presenting: Dr. Sheba Selvam, Head, AIML



From left: Mr. Akash-industry expert, Mr. Chandan-alumni, Dr. Umadevi from BMSCE, Dr. E. A. Mary Anita from Christ University.

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DATE: 24.05.2025



External and Internal BOS members of AIML

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