



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY



An Autonomous Institution

Affiliated to Pondicherry University, Approved by AICTE, New Delhi.

Accredited by NAAC with 'A' Grade

Kalitheerthalkuppam, Puducherry- 605 107.

DEPARTMENT OF ROBOTICS AND AUTOMATION

Minutes of 1st Board of Studies Meeting

The First Board of studies meeting of Department of Robotics and Automation was held on **19th July 2025 at 10:00 am** through online mode at Manakula Vinayagar Institute of Technology with the Head of the Department in the Chair.

The following members were present for the BoS meeting

S.NO	Name of the Member with Designation and official Address	Members as per UGC Norms
1.	Dr. V. Govindan Associate Professor HOD I/C	Chairman
2.	Dr. R. Prasanth, Professor Centre for Green Energy Technology Pondicherry Technological University	University Nominee
3.	Dr. Vinod B Professor and Head Department of Robotics and Automation Engineering PSG College of Technology, Coimbatore	Subject Expert
4	Dr. C. Karthik Associate Professor Department of Biomedical Engineering Mepco Schlenk Engineering, Sivakasi , Tamil Nadu	Subject Expert
5.	Mr. R. Samivel, Assistant Manager – Design L&T Rubber Processing Machinery Kanchipuram.	Industry Expert
6.	Dr. S. Saravana Perumaal, Associate Professor, National Institute of Technical Teachers Training and Research (NITTTR) Taramani, Chennai.	Special Expert
7.	Dr. P. Baskara Sethupathi, Assistant Professor (Sr.G), SRM Institute of Science and Technology, Kattankulathur Chennai.	Special Expert

7.	Ms. Nithya Sre N, Algorithm Engineer, Renault Nissan Technology and Business Centre India. Chennai.	Alumni Member
8.	Mr. A. Baskaran, AP/RA Ms. Kiruba Sandou, AP/RA Ms. J.V. Peshu, AP/RA Mrs. D. Dharani, AP/RA Mrs. T. Sudha, AP/RA Mrs. S. Ramya, AP/RA	Internal Members

Agenda of the Meeting

1. Introduction about the Institution and Department
2. To discuss the proposed regulation 2025 and University regulation R2023 & R 2019
3. To Discuss B.Tech Curriculum of I to VIII semester and Syllabi for I & II Semester under Autonomous regulation 2025, for the students admitted in the academic year 2025-2026.
4. Review and Discussion of Pondicherry University Curriculum 2023 for Second-Year B.Tech Students.
5. To Discuss Uniqueness of the Curriculum (R2025)
6. To Discuss and Approve Evaluation System
7. To Discuss about Innovative teaching / Practices Methodology adopted to handle the Emerging /Advanced Technological Concept Courses.
8. Any other item with the permission of the Chair.

Minutes of the Meeting

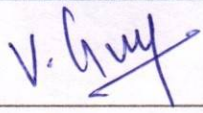

Dr. V. Govindan, Chairperson, Board of Studies (BoS), formally declared the meeting open and extended a warm welcome to all external, internal, and co-opted members. He expressed sincere appreciation for their acceptance of the invitation and their valued presence as members of the Board. Following the welcome address, the approved agenda items were briefly introduced and deliberations commenced accordingly.



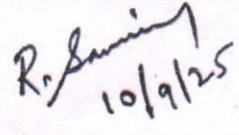
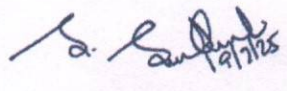

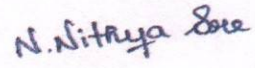
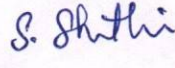
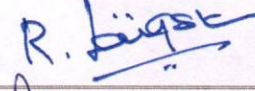

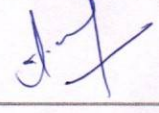
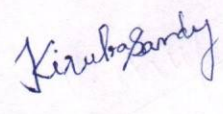
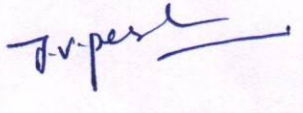
Item No:RA/1.1	The B.Tech Degree Regulation 2022 ,R2023 Curriculum and Syllabus has been approved and recommended to Academic Council
Item No: RA /1.2	<p>The B.Tech Degree Regulation 2025 Curriculum and Syllabus has been approved and recommended to Academic Council with following corrections</p> <ul style="list-style-type: none"> • In the curriculum, it was observed that using the letter 'I' to denote Integrated Courses may lead to confusion with the numeral '1'. To enhance clarity and avoid ambiguity, it has been proposed to use the letter 'J' to represent Joint Courses as a suitable alternative. • Regarding student promotion criteria, it was clarified that students failing all subjects may progress to the next semester, whereas those absent for an entire semester must complete it before advancing. A suggestion was made to review this regulation to allow greater flexibility and enhanced student support. • Regarding attendance eligibility, it was noted that students with a shortage of attendance in a single subject are generally permitted to appear for examinations in the remaining subjects. • Regarding the possibility of pursuing both Honours and Minor degrees concurrently, it was clarified that students may opt for either Honours or Minor, but not both, as pursuing both would constitute a dual degree, which is not permitted under the current academic regulations. • The BoS members proposed reallocating the 5 marks currently assigned to attendance in Continuous Assessment towards internships, in-plant training (IPT), or extracurricular activities, emphasizing that active student engagement provides a more meaningful measure of student performance than mere physical presence. • It was proposed that the Robotics Laboratory be elevated to the status of a Centre of Excellence, with the aim of advancing practical learning, fostering interdisciplinary research, and promoting innovation in robotics and automation. • External BoS members recommended replacing core subjects in the eighth semester with elective courses to enhance flexibility and support students' interests and career goals.

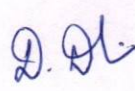
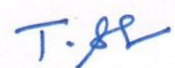
	<ul style="list-style-type: none"> • It was recommended to include mini projects in each semester to build practical skills, enhance technical competency, and foster innovative thinking. • The BoS members suggested revising the title of the Semester 3 course under Employability Enhancement Course from "Basic Software for Robotics" to "Modeling and Simulation for Robotics", to better reflect the course content and align with current industry trends. • The BoS members recommended removing the word "Introduction" from the title of the Semester 4 course "Introduction to Entrepreneurial Skills and Concepts", suggesting it be renamed to "Entrepreneurial Skills and Concepts" for better clarity and precision. • In Semester 1, the BoS members suggested removing "AutoCAD" from the course title "Engineering Drawing and AutoCAD", as it is software-specific. They recommended renaming the course to "Engineering Graphics" to provide a broader and more inclusive title suitable for various drafting tools and platforms. • The BoS members suggested renaming the subject "Mathematics II" to make the title more meaningful and reflective of its content. They recommended the new title as "Differential Equations and Transforms". • The BoS members observed a lack of uniformity in the Course Outcomes (COs) across subjects. They recommended taking necessary action to align the COs with Bloom's Taxonomy and appropriate specification levels for clarity and consistency. • Redundancy in topics, particularly physics-related content within the Sensors and Actuators course, was pointed out. The incorporation of microsensors and microactuators was recommended to eliminate overlap and update the curriculum in line with modern advancements.
Item No: AIML/1.3	The Examination and Evaluation systems in Regulation 2023 and 2025 were discussed and recommended to Academic Council

Item No: AIML/1.4	The Board of Studies has approved the swapping of subjects across Semesters III, IV, and V for students under the 2023–24 Regulation, currently in their third semester. This adjustment aims to optimize the academic flow and scheduling without modifying the syllabus content.		
	Subject	Existing Semester	Proposed Semester
	Power Electronics and Drives	III	V
	Analog Electronics and Circuits	III	IV
	Hydraulics and Pneumatics (Theory & Lab)	IV	III
	Signals and Systems	V	III
Item No: AIML/1.5	The uniqueness of the Curriculum (R2025) has been discussed		
Item No: AIML/1.6	The proposed Evaluation System was discussed in detail. After thorough deliberation and consideration of its structure, relevance, and alignment with academic standards, the system was approved by the committee.		
Item No: AIML/1.7	Discussed about the Innovative Teaching/Practice Methodology adopted to handle the Emerging /Advanced Technological Concept Courses.		

The meeting was concluded at 1:45 PM with vote of thanks by **Dr. V. Govindan**, Chairman, Board of Studies, Department of Robotics and Automation

S.NO	Name of the Member with Designation and official Address	Responsibility in the BoS	Signature
1.	Dr. V. Govindan Associate Professor HOD I/C	Chairman	
2.	Dr. R. Prasanth, Professor Centre for Green Energy Technology Pondicherry Technological University	University Nominee	

3.	Dr. Vinod B Professor and Head Department of Robotics and Automation Engineering PSG College of Technology, Coimbatore	Subject Expert	
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8.	Ms. Nithya Sre N , Algorithm Engineer, Renault Nissan Technology and Business Centre India. Chennai.	Alumni Member	
9.	Dr. Shanthi Professor Department of Mathematics	Co-Opted Members	
10.	Mr. R. Vijayaprasath Assistant Professor Department of Physics	Co-Opted Members	
11.	Dr. P. Natarajan Assistant Professor Department of Mechanical Engineering	Co-Opted Members	
12.	Mr. A. Baskaran , Assistant Professor Department of Robotics and Automation	Internal Members	
13.	Ms. Kiruba Sandou Assistant Professor Department of Robotics and Automation	Internal Members	
14.	Ms. J.V. Pesha Assistant Professor Department of Robotics and Automation	Internal Members	

15.	Mrs. D. Dharani Assistant Professor Department of Robotics and Automation	Internal Members	
16.	Mrs. T. Sudha Assistant Professor Department of Robotics and Automation	Internal Members	
17.	Mrs. S. Ramya Assistant Professor/RA Department of Robotics and Automation	Internal Members	