



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 3rd Board of Studies Meeting

The Third Board of studies meeting of Department of Robotics and Automation was held on **29th August 2026 at 12:00 pm** 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, Associate Professor, Department of Automobile Engineering SRM Institute of Science and Technology, Kattankulathur Chennai.	Special Expert

7.	Mr.S.Hariharan Graduate Engineer Trainee at New product development Eaton Power Quality Pvt Ltd. Sedarapet , Puducherry.	Alumni Member
8.	Dr. S.Sivaramakrishnan Professor Department of Mathematics	Co-Opted Member
9.	Dr.P Natarajan Assistant Professor Department of Mechanical Engineering	Co-Opted Member
9.	Mr. A. Baskaran, AP/RA Ms. J.V. Peshu, AP/RA Mrs. D. Dharani, AP/RA Mrs. T. Sudha, AP/RA Mrs. S. Ramya, AP/RA Mr. S. Sivanandam, AP/RA Ms. L. Bhuvaneswari, AP/RA	Internal Members

Agenda of the Meeting

1. To discuss the Action Taken Report of the 2nd BoS Meeting regarding the Curriculum and Syllabus of the III and IV Semesters.
2. To discuss and approve the proposed Curriculum Structure and Syllabus of the Honours Degree Course.
3. To discuss and approve the proposed Curriculum Structure and Syllabus of the Minor Degree Course.
4. To discuss the tentative Curriculum Structure from I to VIII Semesters of the B.Tech. Robotics and Automation programme.
5. To discuss the Professional Elective and Open Elective Courses, including the proposed course structure and syllabus.
6. To discuss the details of the Certification Courses proposed for the students of the Department of Robotics and Automation.
7. To obtain suggestions and recommendations from the BoS members for further strengthening the curriculum and syllabus of the programme.
8. Any other matter with the permission of the Chair.

Minutes of the Meeting

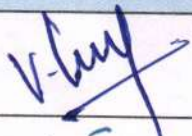
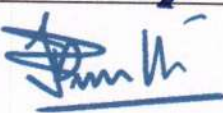
Dr. V. Govindan, Chairperson of the Board of Studies (BoS), formally welcomed all external, internal and co-opted members. He expressed his sincere appreciation for their acceptance of the invitation and their esteemed presence at the meeting. Following the welcome address, the approved agenda items were introduced and the deliberations commenced accordingly.

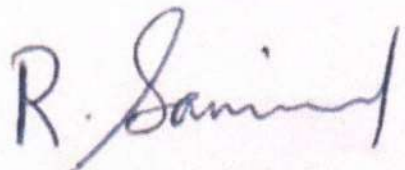
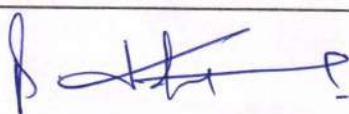
Item No: RA/1.1	• The Action Taken Report of the Second Board of Studies Meeting concerning the Curriculum and Syllabus of the III and IV Semesters was presented before the members. • The members reviewed the actions taken based on the recommendations of the previous BoS meeting. The implementation status of the recommendations, modifications incorporated in the curriculum, and improvements made in the syllabus were discussed in detail. • The BoS members appreciated the actions taken by the Department and suggested that the curriculum should continue to be periodically reviewed in accordance with emerging technologies and industry requirements.
Item No: RA /1.2	The proposed Curriculum Structure and Syllabus for the Honours Degree Course was presented before the BoS members. The members discussed the proposed courses, credit requirements, course contents, learning outcomes, and their relevance to advanced areas of Robotics and Automation. During the discussion, the following observations and recommendations were made: • The BoS members suggested revising the credit requirement for the Honours Degree from 20 credits to 18 credits, subject to verification and confirmation with the applicable Pondicherry University regulations. • It was observed that several subjects proposed under the Honours Degree contain substantial Control-related content. The members recommended that the course contents should be carefully reviewed to identify and eliminate content overlap, duplication, and redundancy among the subjects. • The members emphasized that the Honours Degree should provide students with advanced technical knowledge, interdisciplinary skills, research exposure, and industry-oriented competencies, while maintaining a clear distinction among the courses.

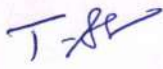
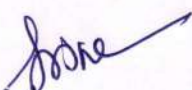
Item No: RA/1.3	• The proposed Curriculum Structure and Syllabus for the Minor Degree Course was presented for discussion and approval. • The members discussed the course sequence, credit distribution, technical content, and suitability of the courses for students from other disciplines. • The BoS members recommended that the Minor Degree curriculum should provide a strong foundation in Robotics and Automation, while ensuring that the courses are accessible to students from different engineering disciplines. • The members also emphasized the need to maintain appropriate course progression and avoid unnecessary repetition of concepts across courses.
Item No: RA/1.4	• The tentative I–VIII Semester Curriculum Structure of the B.Tech. Robotics and Automation programme was presented and reviewed by the BoS members. The Board emphasized proper course progression, avoidance of content repetition, appropriate credit allocation, and integration of emerging technologies including Robotics, Automation, AI/ML, Industrial Communication, PLC, SCADA, DCS, Machine Vision, Autonomous Systems, and Industry 4.0. • The Board specifically recommended revising the KDM course from 3 credits to 4 credits based on its content and academic workload.
Item No: RA/1.5	• The proposed Professional Elective (PE) and Open Elective (OE) courses were presented and reviewed with respect to industry relevance, emerging technologies, employability, interdisciplinary learning, and avoidance of content overlap. • The BoS members suggested organizing the PE and OE courses under different technology/knowledge verticals to provide students with greater flexibility and specialization. The Board recommended ensuring depth in Professional Electives, interdisciplinary exposure through Open Electives, and avoidance of duplication with core courses.
Item No: RA/1.6	• The details of the Certification Courses proposed for the students of the Department of Robotics and Automation were presented. • The members discussed the importance of providing additional industry-recognized certifications to enhance students' technical competencies and employability.

	- The Board recommended selecting certification courses that complement the regular curriculum and provide practical exposure to relevant industrial technologies and software platforms. - The members also suggested encouraging certifications in areas such as industrial automation, PLC and SCADA, robotics, industrial communication, CAD/CAM, programming, AI/ML, machine vision, and Industry 4.0, based on industry relevance.
Item No: RA/1.7	- The BoS members provided suggestions to further strengthen the B.Tech. Robotics and Automation curriculum, emphasizing industry-oriented learning, proper course sequencing, avoidance of content overlap, emerging technologies, hands-on learning, interdisciplinary education, certifications, internships, projects, research, and employability skills. - During the discussion, the members specifically suggested reconsidering the K6 (Create) cognitive level specified for the RPA course and reviewing its appropriateness based on the course content and learning outcomes.

The meeting was concluded at 2:00 PM with vote of thanks given 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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9.	Dr. S.Sivaramakrishnan Professor Department of Mathematics	Co-Opted Member	
10.	Dr.P Natarajan Assistant Professor Department of Mechanical Engineering	Co-Opted Member	
11.	Mr. A. Baskaran, Assistant Professor Department of Robotics and Automation	Internal Member	
12.	Ms. J.V. Pesh Assistant Professor Department of Robotics and Automation	Internal Member	
13.	Mrs. D. Dharani Assistant Professor Department of Robotics and Automation	Internal Member	

14.	Mrs. T. Sudha Assistant Professor Department of Robotics and Automation	Internal Member	
15.	Mrs. S. Ramya Assistant Professor Department of Robotics and Automation	Internal Member	
16.	Mr. S. Sivanandam Assistant Professor/RA Department of Robotics and Automation	Internal Member	
17.	Ms. L. Bhuvaneswari Assistant Professor Department of Robotics and Automation	Internal Member	