



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

An Autonomous Institute Affiliated with
Savitribai Phule Pune University

Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes



Newsletter of Robotics and Automation Department

RoboVision

Academic Year 2025-26 SEM-1

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Robotics and Automation
Department

Our Inspiration

Shri
Shahu Chhatrapati
Maharaj

President, AISSMS



From Principal's Desk



Dr.D.S.Bormane

It gives me immense pleasure to present the Robotics and Automation Engineering Department Newsletter for the academic year 2025-26. This newsletter showcases the department's achievements, innovative projects, research activities, and academic excellence.

The department continues to foster technical knowledge, creativity, and industry-oriented skills through quality education and practical learning. I congratulate the faculty, students, and staff for their dedication and remarkable contributions to the department's growth. I am confident that their continued efforts will lead to greater achievements in the years ahead. I extend my best wishes to all students, alumni, recruiters, and stakeholders for a bright and successful future.



Dr. Priya.S.Gajjal

HOD's Message

Welcome to the Robotics and Automation Engineering Department Newsletter 2025–26. This newsletter showcases our academic achievements, innovative projects, research activities, and student accomplishments. I congratulate our faculty and students for their dedication and hard work. Let us continue to innovate, collaborate, and strive for excellence while contributing to the advancement of technology and

Department Vision:

- To produce responsible professionals in the field of Robotics & Automation Engineering.

Department Mission:

- Impart state of art technical education in Robotics & Automation Engineering.
- Inculcate sustainable skills in automation technologies, research and learning attitudes.
- Committed to fulfil the needs of society in the manufacturing and service sector.

Department Goals:

- Deliver quality technical education.
- Encourage innovation, research, and project-based learning.
- Strengthen industry interaction and practical skills.

Department Of Robotics And Automation

The **Department of Robotics and Automation Engineering** is committed to academic excellence, innovation, and industry-oriented education, empowering students with the knowledge and practical skills required to excel in the field of robotics and automation. Through quality teaching, modern laboratories, technical workshops, seminars, industrial visits, research, and project-based learning, the department fosters creativity, critical thinking, and professional growth.

ROBOVISION 2025–26, the official newsletter of the department for the **First Semester of AY 2025–26**, highlights our academic achievements, technical activities, innovative projects, faculty contributions, and student accomplishments. It reflects the department's continuous pursuit of excellence and its commitment to nurturing future-ready engineers.

EDITOR'S NOTE

Welcome to **ROBOVISION 2025-26**, the official newsletter of the *Department of Robotics and Automation Engineering*. This edition celebrates the remarkable achievements, innovative projects, technical excellence, and milestones accomplished by our students and faculty throughout the academic year. It highlights our commitment to fostering creativity, research, teamwork, and technological advancement while showcasing the vibrant learning environment within the department.

FACULTY ACHIEVEMENTS

- **Dr P. S .Gajjal** received Patent on ONION AND GARLIC HARVESTING MACHINE on 29th September 2025
- **Dr N.G.Shekapure** received appreciation for valuable time contributed as a faculty mentor and assistant faculty for grading **Design Thinking and Community Based Design** from June to August 2025
- **Dr N.G.Shekapure** received appreciation for valuable contribution as a **Domain Expert Evaluator** for assessing Start Up Applications under the **TIDE 2.0 Scheme of Ministry of Electronics and Information Technology GOI at SANDIP Technology Business Incubator**, Nashik on 22nd September 2025
- **Dr N.G.Shekapure** was invited to Serve as **Session Chair – iTEC INDIA 2025**, 18–20 September 2025, at The Westin Hotel, Pune, at the International Transportation Electrification Conference (iTEC INDIA 2025), jointly organized by SAEINDIA, IEEE, and ARAI, scheduled to be held from 18th-20th September 2025 at The Westin Hotel, Pune
- **Dr N.G.Shekapure** was invited as expert for guiding FE Faculty members on Design Thinking
- Mr **M.P.Bauskar** Co-Authered and presented paper at **International conference on Innovative, Engineering Technologies ICIET 2025**, organized by KIT COE, Kolhapur entitled Experimental Computation of Dimensional Accuracy of UHMWPE Part produced by Single Incremental forming on 11th-12th September 2025

FACULTY PUBLICATIONS

- **Mr M P Bauskar** and **Dr N G Shekapure** published paper titled **Investigation Of Performance Of Manufacturing Of A Two-Lobe Hydrodynamic Bearing Using CNC Machining** with **International Journal of Environmental Sciences** ISSN: 2229-7359 Vol. 11 No. 18s, July 2025
- **Mr M P Bauskar** published paper titled **Verification Of Forming Force, Major And Minor Strain For UHMWPE For Single Point Incremental Forming by Using Experimental And Analytical Approach** with **International Journal of Environmental Sciences** ISSN: 2229-7359 Vol. 11 No. 16s, July 2025

STUDENTS ACHIEVEMENT

- Winners in the 15kg and 8kg categories in Robowars at Techkriti **IIT Kanpur** 2025
- Runners-up in the 15kg and 60kg categories in **Robowars** at Techkriti IIT Kanpur 2025
- Second Runners-up in the 8kg category in Robowars at Techkriti IIT Kanpur 2025
- **Vaishnavi Rajurkar & Vaibhavi Darda** representing **RoboVyu**,
- Secured **Gold Medal** at IndiaSkills 2025–26 State Level (Maharashtra) in **Autonomous Mobile robotics**
- Secured **Silver Medal** at IndiaSkills 2025–26 Regional Level, competing against top teams from Maharashtra, Gujarat, Rajasthan, Madhya Pradesh, and Goa.
- Secured **Silver Medal** at IndiaSkills 2025–26 National Level, ranking among the top Autonomous Mobile Robotics teams **across 36 States and Union Territories of India.**



INDUSTRY INSTITUTE INTERACTION

- **Dr A S Ubale** organized Industrial Visit at **SVR Robotics Pvt Ltd of BE R&A Students at Automation Expo 2025 Mumbai** on 14th August 2025 along with academic representatives as Dr N G Shekapure, Mr S S Kallurkar and Mr M P Bauskar
- **Mr M A Kelkar and Mr M P Bauskar** organized expert talk on **Business in the age of AI and Automation** delivered by **Ms. Mary Hess, Associate Director of Graduate Admissions, University of Cincinnati** on 09th October 2025
- **Dr P S Gajjal** organized expert talk by **Mr. Aryan Jagushte on Unlocking Robotics with ROS2** on 16th July 2025 for SE, TE and BE students
- **Mr S N Chiwande** organized **Industry Institute Interaction activity with B&R Automation Pvt Ltd** on 24th July 2025 **Mr. Kaushal Shaha – Manager, Competency Development and Education Network and Mr. Rajat Jadhav – Automation Engineer, Education Network** visited the campus. Various activities were coordinated and discussions held for MoU signing, a meet with the team of faculty.

OTHER SPECIFIC ACTIVITIES

- **Dr N.G.Shekapure** organized induction program for BE R&A students on 15th July 2025. Various coordinating faculty introduced students about activities carried at department
- **Dr N.G.Shekapure** organized induction program for SE R&A students on 14th July 2025. Various coordinating faculty introduced students about activities carried at department
- **Dr N.G.Shekapure** organized induction program for SE R&A students on 11th July 2025. Various coordinating faculty introduced students about activities carried at department
- **Mr M.A.Kelkar and Mr S.S.Kallurkar** organized Parents meet on 25th July 2025 for the parents invited of SE, TE and BE R&A students

FACULTY DEVELOPMENT PROGRAMME ATTENDED

- **Dr N.G.Shekapure** completed the **NEP 2020 Orientation Sensitization Programme** under **Malaviya Mission Teacher Training Programme** (MM TTP) of University Grants Commission (Organized by IIT Kharagpur from 19th August-28th August)
- **Dr N.G.Shekapure** completed **One Week Faculty Development Programme** on **Outcome-Based Education and Curriculum** (OBE-8) organized by the National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal, at its Extension Centre in Pune from 22nd – 26th September 2025
- **Mr M.L.Chanpur**, has participated in the two weeks **Faculty Development Program** on **"Soft Computing Applications in Manufacturing and Automation"** organized by Electronics and ICT Academy, NIT Patna under the **"Scheme of financial assistance for setting up of Electronics and ICT Academies** (Phase-II)" by the Ministry of Electronics and Information Technology (MeitY), Government of India from 14th-25th July, 2025.
- **Dr A.S.Ubale** completed the **NEP 2020 Orientation Sensitization Programme** under Malaviya Mission Teacher Training Programme (MM TTP) of University Grants Commission (Organized by IIT Kharagpur from 19th - 28th August 2025
- **Dr A.S.Ubale** Participated in **Professional Development Programme on Programming PLC using Connected Component Workbench** conducted by NITTTR Chennai from 08th-12th September 2025
- **Mr M.P.Bauskar** completed FDP on **Navigating Research Methodologies** A Roadmap for Researchers from 16 to 22 July 2025 Organized by **Digi Skill Development Center and Training Institute Mumbai**

TRAINING PROGRAMME

- **Dr N.G.Shekapure** completed online course on Introduction to internet of things conducted by **Cisco Networking Academy** on 27th June 2025
- **Dr N.G.Shekapure** completed online course on **Digital Productivity with AI** conducted by **Passport to Earning Skills** on 26th August 2025
- **Dr N.G.Shekapure** completed **Module 1** to module 8 of NITTT on 07th September 2025
- **Mr M.P.Bauskar** completed Module 1 of NITTT on **Orientation Towards Technical Education and Curriculum Aspects**

PHOTOGRAPHS OF ACTIVITIES

Expert Talk on Business in the age of AI and Automation



Felitation of Expert at Talk on Unlocking Robotics with ROS2



Glimpses of Parents Meet



Industry Visit to Sabiocorp Gat No. 1893, Mulsund Wasti, Lonikand



College Students Addressing School Students about Robotics



Dr N.G.Shekapure serving Session Chair

