



Suresh Angadi Education Foundation's
**ANGADI INSTITUTE OF TECHNOLOGY AND
MANAGEMENT**

Savagaon Road, Belagavi – 590 009.

(Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi)

Accredited by NAAC



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E- Newsletter

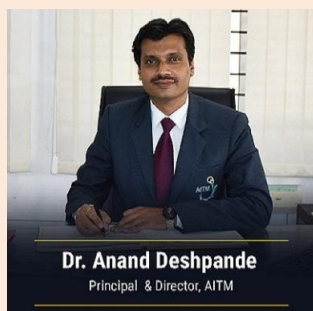


Department of Robotics and Automation Engineering

E – Newsletter | January – May 2025

Head of the Institute

Message



Dr. Anand Deshpande
Principal & Director, AITM

An Institute is assessed on the basis of the academic ambience and outcome of the system in terms of performance and achievements of the students and staff in teaching-learning, research, innovation, placements, and results. AITM has been known for its academic credentials coupled with holistic growth in all directions. The new generation of competent minds must imbibe knowledge and practically comprehend the art of balancing brilliant technical, managerial, communication, and interpersonal skills. The Institute has achieved a series of milestones with the help of brilliant students, dedicated staff, and encouraging Management. We promise a wonderful experience of rich academic and excellent facilities coupled with professional practices and blended with an affectionate concern for our students.

Head of the Department

Message



Dr. Pooja V. Anagolkar
HOD

Robotics & Automation Engineering is an interdisciplinary program that includes Electrical, Electronics, Computer Science (Artificial Intelligence and Machine Learning), Control and Instrumentation. It opens a door of opportunities for students in the domains of design, construction, application and operation of robots and automation applications. As a robotics engineer, the job role involves designing models, assembling, testing and maintaining robots and the software which controls them. Robotics engineers carry the responsibility of planning, testing and building robots that are sustainable, safe and profitable. The course will enable students to attain expertise in next-generation robotics and automation systems by taking advantage of a comprehensive educational environment, and will prepare a skilled industry workforce as well as expert researchers who can provide significant leadership in a world increasingly dependent on next-generation robots and technology.

Institute Vision and Mission

Vision:

To become a premier institute committed to academic excellence and global competence for the holistic development of students.

Mission:

- M1: Develop competent human resources, adopt outcome-based education (OBE) and implement cognitive assessment of students.
- M2: Inculcate the traits of global competencies (such as domain expertise, accountability, ethics, problem solving ability, communication skills, leadership qualities and life-long learning) amongst the students.
- M3: Nurture and train our students to have domain knowledge, develop the qualities of global professionals and to have social consciousness for holistic development.

Department Vision and Mission

Vision:

To provide quality education in Robotics and Automation, enabling students to acquire strong technical knowledge, practical skills, and innovative thinking necessary for their overall growth and professional success.

Mission:

- M1: Provide quality education in Robotics and Automation with strong domain knowledge and hands-on skills, delivered by qualified faculty in line with the latest technological advancements.
- M2: Adopt innovative, student-centered teaching methods to nurture analytical thinking, creativity, and problem-solving abilities.
- M3: Create a supportive learning environment that helps students develop professional competence, leadership qualities, ethical values, and a spirit of lifelong learning.

Faculty	Designation	Qualification
Dr. Pooja V. Anagolkar	Professor & HoD	B.E., M.Tech., Ph.D., Postdoc
Dr. Aravind B. Muddebihal	Associate Professor	B.E., M.Tech., Ph.D.
Mr. Suneel K. Nagavi	Assistant Professor	B.E., M.Tech.
Mrs. Shweta Kalkundri	Assistant Professor	B.E., M.Tech.

Highlights: January – May 2025

Expert Speaker Lectures at Andaman & Nicobar Islands

Faculty Achievement | 18–20 March 2025 · ESCI in-house training

Dr. Pooja V. Anagolkar, Head of the Department of Robotics & Automation, delivered expert lectures at an in-house training program of the Engineering Staff College of India (ESCI), Hyderabad, held in the Andaman & Nicobar Islands on 18–20 March 2025. Her talks covered fuel diversification and alternative fuels, and the environmental and safety aspects of alternative fuel vehicle technologies.

Highlights

- Alternative fuels and sustainable energy
- Environmental and safety aspects of alternative fuel vehicles



Faculty Selected for Women in Space and Allied Science Leadership Program (WisLP)

Faculty Achievement | Announced April 2025 • IIT Indore

Dr. Pooja V. Angolkar and Dr. Dhanashree Kulkarni were among 30 participants selected across India for the Women in Space and Allied Science Leadership Program (WisLP), a four-day program at IIT Indore run by the DST, Government of India, with the British Council.

Highlights

- 30 participants selected across India
- Four-day program at IIT Indore

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CONGRATULATIONS
**"Pioneering Women in Space Science:
 AITM Faculty Among India's Top 30 !"**


Dr. Dhanashree Kulkarni
 HOD, CSE & Dean Academics, AITM


Dr. Pooja V. Angolkar
 HOD, Robotics & Automation, AITM

Selected among 30 across India to participate in 4-days leadership training programme at IIT Indore, under the Women in Space and Allied Science Leadership Program (WisLP) of Department of Science and Technology, Govt. of India, New Delhi in collaboration with British Council.

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Visit to VTU Skill Centre, Machhe

Industrial Visit | 22 April 2025

Students visited the VTU Skill Centre, Machhe, on 22 April 2025 for industrial exposure, guided by faculty. They saw industrial robotics, automation systems, PLCs, SCADA interfaces and robotic arms, and interacted with instructors by asking questions about the systems on display.

Highlights

- PLCs and SCADA interfaces
- Industrial robotics and robotic arms
- Interaction with instructors



Outcome-Based Education (OBE) Awareness Program

Awareness Program | 23 May 2025

An awareness program on Outcome-Based Education was held on 23 May 2025. Dr. Pooja V. Angolkar addressed students on outcome-oriented learning, Bloom's Taxonomy, assessment techniques and the role of students in accreditation.

Highlights

- Bloom's Taxonomy and assessment techniques
- Students' role in accreditation



VENCER 2025 – Department Events

Technical Event | 2025

The department conducted three events as part of VENCER 2025: Eliminator X, a team game of traditional children's games with a strategic twist; Robo Rush, a race for wireless bots built to set dimensions, open to junior teams with cash prizes; and Crimson Clue, a role-playing deduction game that builds critical thinking and teamwork.

Highlights

- Eliminator X – strategic team game
- Robo Rush – wireless bot speed race
- Crimson Clue – role-playing deduction game



Semester Toppers

The department congratulates its semester toppers of this period. The toppers' lists published on the department website are shown alongside; the students are felicitated for their consistent academic performance.

Toppers' lists

- 2024-25 · 5th Semester Toppers

2024-25 – 3rd semester Toppers



Research Activities

- **Research proposals:** FDP/VGST – AI-enabled robotics for advanced manufacturing (14 January 2025, ₹3,00,000); FDP/ATAL proposal (28 March 2025, ₹3,50,000).

Newsletter Editors

Dr. Pooja V. Anagolkar, HoD, Department of Robotics & Automation Engineering.

Faculty: Dr. Aravind B. Muddebihal, Mr. Suneel K. Nagavi and Mrs. Shweta Kalkundri,
Department of Robotics & Automation Engineering.

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