



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



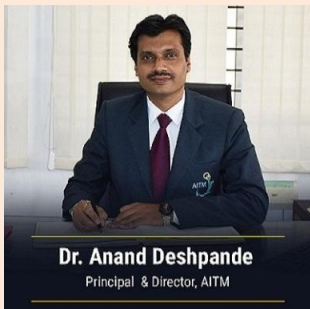
DRISHTI

E- Newsletter



Department of Robotics and Automation Engineering

E – Newsletter | June – December 2025

ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT BELAGAVI - 09		AITM
Head of the Institute	Message	
 <p>Dr. Anand Deshpande Principal & Director, AITM</p>	<p>An Institute is assessed on the basis of the academic ambiance 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.</p>	
Head of the Department	Message	
 <p>Dr. Pooja V. Anagolkar HOD</p>	<p>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.</p>	

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: June – December 2025

“Ingenious” Competition

Competition | 23 July 2025

Students of the Department of Robotics and Automation took part in the Ingenious competition on 23 July 2025. Photographs from the event are shown alongside.

Highlights

- Date: 23 July 2025



DRDO Internship in Drones and Robotics

Internship | August 2025 · Bengaluru

Seven students of the department completed a four-week internship at DRDO Bengaluru in August 2025 under the mentorship of Dr. T. Ram Prabhu, focused on drones, autonomous navigation and robotic control.

Highlights

- Duration: four weeks
- Focus: drones, autonomous navigation, robotic control



Workshop on IoT Fundamentals: Sensor Interfacing and Smart Connectivity

Workshop | 22–23 September 2025 · Seminar Hall

The department, with the Association of Robotics and Automation Engineering, organised a two-day workshop on IoT Fundamentals on 22–23 September 2025 in the Seminar Hall. Participants learnt sensor and actuator integration and Arduino-based design, and explored cloud connectivity using the Blynk and ThingSpeak platforms, with project demonstrations and shared source code.

Highlights

- Arduino-based design
- Sensors and actuators
- Cloud connectivity with Blynk and ThingSpeak

SURESH ANGADI EDUCATION FOUNDATION'S
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Savagan Road, Belagavi - 590009.
(Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi,
Accredited by NAAC)

Workshop On:
IoT Fundamentals: Sensor Interfacing and Smart Connectivity

Department of Robotics and Automation Engineering
Association of Robotics and Automation Engineering

What you'll LEARN
Introduction to Arduino & IOT
Working on sensors & actuators
IOT concepts & Real time application
Cloud connectivity using Blynk / Thingspeak

TAKEAWAY
Source code,
Project files,
Project support
& Doubt clearing

Registration Free

Venue : Seminar hall
Time : 2:30pm
Date: 22-23/sep/2025

SCAN ME

Link : <https://forms.gle/uggaHUaW3HxscUM6>



Inauguration of Association “Vruddhi 2K25”

Association | 28 October 2025

The department association Vruddhi 2K25 was inaugurated on 28 October 2025. The Chief Guest was Mr. Sandeep Kulkarni, Project Manager, Infosys Limited. The department thanked Dr. Spoorti R. Patil, Shri Raju Joshi and Dr. Anand B. Deshpande for their support.

Highlights

- Chief Guest: Mr. Sandeep Kulkarni, Infosys Limited
- Date: 28 October 2025



Interaction with Industry Mentor Dr. T. Ram Prabhu

Industry Interaction | 8 November 2025 · AITM Administrative Block

Dr. T. Ram Prabhu of DRDO Bengaluru, the department's industry mentor, interacted with students on emerging technologies, research opportunities, and robotics and automation in defence and advanced engineering. He stressed innovation, interdisciplinary learning and continuous skill development.

Highlights

- Emerging technologies and research opportunities
- Robotics and automation in defence



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 · 6th Semester Toppers

2024-25- 4th semester Toppers



Suresh Angadi Education Foundation's
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
 Savagaoon Road, Belagavi - 590 009.
 (Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi)
 (Accredited by NBA* and NAAC)

Department of Robotics and Automation Engineering
6th Semester Toppers [2024-25]

		
Name: SHRADHA A. PAWAR USN: 2AG23RA009 90.11%	Name: SANJANA R. DESAI USN: 2AG23RA007 87.64%	Name: TEJASWINI S. V. USN: 2AG23RA011 87.33%

Management, Principal & Director, HOD, Faculty Express their Hearty
 Congratulations to all Toppers

By: IQAC, AITM



SURESH ANGADI EDUCATION FOUNDATION'S
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
 Late. Dr. SURESH C. ANGADI MARG, SAVAGAON ROAD, BELAGAVI - 590009
 APPROVED BY AICTE, NEW DELHI, AFFILIATED TO VTU, BELAGAVI
 (ACCREDITED BY NBA* AND NAAC)

Congratulations
Department of Robotics and Automation Engineering
4th Semester Toppers
2024-25

		
AITM Shreya D. Savant USN: 2AG23RA012 82.33%	AITM Darshana B. Koli USN: 2AG23RA004 84.33%	AITM Shradha Kurade USN: 2AG23RA011 81.67%

Management, Principal & Director, HOD, Faculty Express their
 Hearty Congratulations to all Toppers

www.aitmbgm.ac.in | aitm | aitm | +91 7022897603/0831-2438123

Research Activities

- **Journal:** Dr. Pooja Angolkar – Microstructure of spin arc welded Hastelloy C-276. *Canadian Metallurgical Quarterly* (SCI, Scopus Q3).
- **Journal:** Dr. Pooja Angolkar – High-temperature wear of additively manufactured Ti-6Al-4V using machine learning. *J. Materials Engineering and Performance* (SCI, Scopus Q2).
- **Journal:** Dr. Aravind Muddebihal – Self-healing dual microcapsules in glass-epoxy under flexural load; Glass-carbon hybrid veil interleaving for fracture toughness; Fiber waviness with circular cutout (tensile testing and image processing).
- **Conference:** Dr. Pooja Angolkar – VAE-GAN approach to unsupervised IoT intrusion detection (9th IEEE CICT 2025); Predictive modeling of wear in a Ti-8Al-1Mo-1V alloy (IBCD 2025, Springer Nature).
- **Book chapter:** Dr. Pooja Angolkar – 3D-printed bio-organs, *Springer Tracts in Additive Manufacturing* (2025).
- **Research proposal:** AMT-DST / ANRF-DST – AI-based metal printing with deep learning (30 August 2025, ₹50,00,000).

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.

Source: department website – <https://robotics.aitmbgm.ac.in/> · Dr. Suresh C. Angadi Marg, Savagaon
Road, Belagavi 590009 · 0831 243 8123 · info@aitmbgm.ac.in

AITM