



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



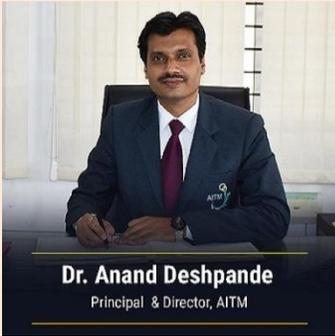
DRISHTI

E-Newsletter



Department of Electronics and Communication
Engineering

First Quarter E – Newsletter -2023-24

Head of the Institute	Message
 <p data-bbox="250 569 464 621">Dr. Anand Deshpande Principal & Director, AITM</p>	<p>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 they should comprehend the art of balancing brilliant technical, managerial communication, and interpersonal skills, nest. 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 data-bbox="204 1190 513 1260">Mr. Raviraj Chougala HOD</p>	<p>Welcome to the department of Electronics and Communication Engineering at Angadi Institute of Technology and Management, Belagavi. The Department was established in the year 2009 with the aim of providing leadership in the field of Electronics & Communication Engineering with an intake of 60 students. The department is located in a sprawling environment with a state of art facilities and highly qualified faculty. The department works with the objective of addressing critical challenges faced by the Industry, Society and the Academia. Perhaps even more important is our unceasing commitment to our students, helping them to learn, grow, develop, and achieve their goals in their pursuit to excel in their professional career.</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 impart quality and responsive education in Electronics and Communication Engineering for the overall development of students to meet the global challenges.

Mission:

- M1: Adopt a transformative teaching-learning pedagogy to empower our students with domain knowledge and practical skills in resonance with technological developments.
- M2: Impart multi-disciplinary knowledge, and train our students to develop the relevant professional competency skills.
- M3: Create a cogent ambiance to comprehend the technical and management principles, and the efficacy of life-long learning.

Symposium on “Robotics and Automation: Revolutionizing Tomorrow”

The Departments of Robotics and Automation, and Electronics and Communication at Angadi Institute of Technology and Management, Belagavi successfully organized the Symposium on Robotics & Automation - Revolutionizing Tomorrow on the 28th and 29th of June 2024. The event attracted faculty members and students from various related fields, fostering a vibrant exchange of knowledge and ideas.

The symposium featured keynote address by Dr. Aditya. Abhyankar, Director, Faculty of Technology, SPU Pune, who shared his insights on the latest advancements in research in robotics. Numerous technical sessions by Mr. Santosh, ECT-Manager-HORIBA, India, Mr. Koppaka Ganesh Sai Apuroop, Sr. Program Manager at Singapore University of Technology and Design & Lead Partner-WeFaa Robotics, Mr. Kiran Joshi, Partner & Co-founder, Skandish, Dr. C. Pavan Kumar, HoD- Department of CSE, IIIT-Dharwad, Dr. Deepak.K.T, Department of Electronics & Communication, IIIT-Dharwad, were held, covering a wide range of topics from cutting-edge research to practical applications.



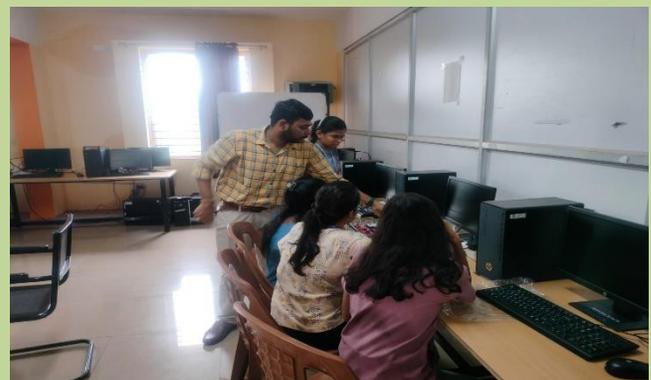
The event also provided ample networking opportunities, enabling attendees to collaborate and share their expertise.

The success of the symposium underscores the commitment of Angadi Institute of Technology and Management to advancing education and research in the field of robotics and automation.

Workshop on “IoT and ML”

Department of Electronics and Communication Engineering (ECE), Angadi Institute of Technology and management-AITM, Belagavi organized Two days workshop on “IOT and ML” on 23rd to 24th July 2024.

Mr. Sai Charan Teja, Field Application Engineer, Xtrans Solutions pvt. Ltd. was the resource person for the workshop. IoT and machine learning deliver insights otherwise hidden in data for rapid, automated responses and improved decision making. Machine learning for IoT can be used to project future trends, detect anomalies, and augment intelligence by ingesting image, video and audio. AI and ML empower IoT devices to process massive amounts of data in real-time, generating valuable insights that can optimize various processes and enhance user experiences. Moreover, in the realm of industrial IoT, ML algorithms can monitor equipment performance and detect patterns that indicate potential failures. By analyzing historical data and comparing it to real-time data, these algorithms can predict when a machine is likely to malfunction, enabling proactive maintenance. This not only minimizes downtime but also reduces costs associated with unexpected breakdowns.



Technical Talk on “Embedded Systems”

Department of Electronics and Communication Engineering (ECE), Angadi Institute of Technology and management-AITM, Belagavi organized technical talk on “Embedded Systems” by Mr. Sandeep Patil, CTO at Rednerds and EOVI on 27th July 2024. Embedded technology works by incorporating specialized hardware and software into a device, enabling it to perform dedicated functions. The embedded system processes data from sensors or user input and executes predefined tasks, making it efficient and reliable for its intended purpose. The purpose of embedded systems is to control a specific function within a device. They are usually designed to only perform this function repeatedly, but more developed embedded systems can control entire operating systems.

Some more complex embedded systems can also perform several different functions, but these are still relatively simple tasks that do not require a large amount of processing power.

By being designed and programmed to only have one purpose, the functions of embedded systems make them reliable electronic component that does not need very much maintenance and is pretty easy to add to a device.

Faculty Achievements:

1. Prof. Aravind Jadhav completed Ph.D. in July 2024.

Student Achievements:

1. Two projects received grants from K. Tech. Innovation Hub (NAIN)
 - a) IOT based Eco-friendly Effective Nutritious Crop Management system under the guidance of Mr. Gururaj K (Rs. 2.5 Lacs).
 - b) Automated Cashew sorting under the guidance of Mr. Sriram K. V (2.19 Lacs).



2. One KSCST project proposal is selected for poster presentation “Underground water locator using Ultrasound” at Appa Institute of Technology, Gulbarga on 8th and 9th august 2024.

Student Articles:



Sketch by Viena Dsouza, ECE, 3 Semester

Newsletter Editors

Faculty Newsletter Editor

Mr. Manjunath K.

Assistant Professor
ECE Department

Student Newsletter Editors

Miss Vaishnavi Shetty
Miss Shravani Malagi
Miss Nikitha Javor

AITM