



Suresh Angadi Education Foundation's
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Savagaon Road, Belagavi – 590 009.
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DRISHTI

E-Newsletter



Department of Electronics and Communication
Engineering

First Quarter E – Newsletter -2023-24

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 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>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.

Association activity on "Intel India STEM Skills program for women on VLSI Technology"

The department of Electronics and Communication Engineering organized an association activity on Intel **India STEM Skills program for women on "VLSI Technology"** on 13th December 2023 at 10 am. Mr. Sachin Kumar Patil, Senior Consultant, Technology and Innovation has given session on importance of VLSI Technology and job opportunities in the VLSI domain. **Very large-scale integration or VLSI** is a process in which millions of MOS transistors are combined and integrated on a single semiconductor microchip. With the global semiconductor revenue crossing USD 440 Billion in 2020, there is an increasing need to design and produce highly efficient and specialized chips that can power new age technologies such as AI/ML, IOT, AR/VR, Cloud etc., which are increasingly becoming mainstream instead of remaining niche technologies. Growth in consumer electronics, computing devices, post pandemic, smart phones, intelligent vehicles etc., has further increased the demand. The students from ECE, AI & DS and



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

INTEL INDIA STEM SKILLS PROGRAM FOR WOMEN

START TIME 10.00 AM
ON: 13TH DECEMBER 2023
Angadi Institute of Technology & Management, Belagavi



EEE attended the session along with HOD, Mr. Raviraj Chougala, Event coordinator Mr. Sriram Kulkarni and all the department faculties.

Three Days FDP on “CMOS VLSI Design and Simulation using Microwind Tool”

The department of Electronics and Communication Engineering organized Three Days FDP on “CMOS VLSI Design and Simulation using Microwind Tool” on 11th to 13th December 2023. Mr. Vinay Sharma, NI2 Designs, Pune and Mr. Krishna Sandilya, Silicon Microsystems, Bangalore were the resource persons for the FDP program. The MICROWIND software allows the designer to simulate and design an integrated circuit at physical description level. Microwind3 unifies schematic entry, pattern-based simulator, SPICE extraction of schematic, Verilog extractor, layout compilation, on layout mix-signal circuit simulation, cross sectional & 3D viewer, netlist extraction, BSIM4 tutorial on MOS devices and sign-off correlation to deliver unmatched design performance and designer productivity. MICROWIND supports entire front-end to back-end design flow. For front-end designing, we have DSCH (digital schematic editor) which posses in-built pattern-based simulator for digital circuits. User can also build analog circuits and convert them into SPICE files and use 3rd party simulators like WinSpice or pSPICE. The faculty from ECE and AI&DS were part of FDP program.

AICTE Activity Program on “Promoting Tourism and Emphasizing Cleanliness”.

Department of Electronics and Communication Engineering (ECE), Angadi Institute of Technology and management-AITM, Belagavi organized a dual-purpose visit to Yellur as part of their AICTE activity on the "Importance of Cleanliness" and "Promoting Tourism in our Town." The event aimed to promote tourism in the town while emphasizing the importance of cleanliness for sustainable development. AITM College recognizes the importance of tourism in



contributing to the economic growth of the region and believes that promoting local attractions can lead to the overall development of the town. The college aims to use the findings to develop a comprehensive plan for promoting tourism in Yellur while ensuring the preservation of its cultural and natural heritage.

Students raised awareness about the significance of cleanliness in promoting tourism and ensuring a healthy community. Students also interacted with the people to Foster a sense of responsibility among community members for maintaining a clean and welcoming environment.

We thank Dr. Anand Deshpande, Principal and Director, AITM, HOD and staff, ECE department for their support in organizing the activity. The accompanying faculty members were Mr. Sriram Kulkarni, Asst. Prof., Mrs. Kiran V., Asst. Prof., and Miss Shubhangi.

Faculty Achievements:

1. Dr. Anand Deshpande has 41 publications.
2. Dr. Anand Deshpande recognized as Reviewer for the following journals
 - IEEE Access (Impact factor: 3.55, Indexing: SCI and SCOPUS)
 - Springer-International Journal of Fuzzy Systems (Impact factor: 2.396, Indexing: SCI and SCOPUS)
 - Taylor and Francis: Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization (Indexing: SCOPUS and ESCI)
 - IET Image Processing (Impact factor: 2.004, Indexing: SCI and SCOPUS)
 - IET Computer Vision (Impact factor: 1.087, Indexing: SCI and SCOPUS)
 - IET-Electronics Letter (Impact factor: 1.232, Indexing: SCI and SCOPUS)
 - Springer- Machine Vision and Application (Impact factor: 1.78, Indexing: SCI and SCOPUS)



3. The Faculty of ECE have more than 18 publications indexed in SCIE, ESCI and Scopus database.

4. The Faculty have provided inhouse Internship for the students in 2022-23.

5. The Faculty of ECE are invited as Key Note Speakers by various Organizers.

Student Achievements:

1. 8 Student Projects selected for KSCST from past 4 years.
2. Mr. Mahalingappa Huchagoudar, an IEEE student member, participated in the IEEE North Karnataka Subsection debate competition on 18th November 2023 at KLE Dr. MSS College of Engineering and Technology, Belagavi.
3. Mr. Anubhav K. has done Internship in NUCLEAR POWER CORPORATION OF INDIA LIMITEC (NPCIL), KAIGA in 2023-24.
4. Miss Shravani Malagi and Miss Vaishnavi Shetty have participated in Shastra Tech Summit 2024, IIT Madras.
5. Miss Shweta patil, Miss Neha Mugate, Miss Sakshi Vanaki, Mr. Akshay Irappa Haibatti and Mr. Amit Hugge participated in "Leveraging IPR tools significance in research and business " event on 21st July 2023 at KLE society's Bellad Law college, Belagavi.
6. Miss Aishwarya Mane, Miss Sakshi Vanaki and Miss Archana Murudi participated in Yuva 2023 on 25th February 2023 at GIT, Belagavi.
7. Miss Vaishnavi Shetty, Miss Shravani Malagi and Miss Padmini Desai participated in Savishkar, 2K23 on 14th December 2023 at Jain College of Engineering, Belagavi.

Student Articles:**REAL VALUE OF LIFE**

I asked a rupee,
“What can you do?”
It replied,
“I can break the love between a husband and wife,
I can turn mothers’ and child’s affection into
hatred,
I can break long friendship within a few seconds,
I can cut and build and relations in the small age,
Like, between two brothers or sisters”
I would never let such a rupee to come into my life,
This will force me to forget HUMANITY.

By Shravani Malagi
ECE Department

DEATH GAVE ME A SECOND CHANCE

I got tired of my life:
I wished for death,
It came on a white horse;
It took me near my parent’s bedroom,
It showed my old parents
And asked me:
“How will they be alive without you?”
It took me to my naughty friends,
And asked me,
“Who is going to be with them and support them?”
Then it took me to my room,
And asked me,
“Who is going to make your dreams come true?”
It also took me out on the road,
Showed me the wrong things happening around;
And asked
“Who is going to fight against it and stop the
wrong?”
I had no answer for all that it asked me;
Finally it asked me:
“Now shall we move to heaven?”
Then I remembered of my parent’s, my friend’s,
My dreams and my country waiting for me,
And I replied,
“You may go back,
Because,

Yet I have much to do on this earth.

By Shravani Malagi
ECE Department

MY MAGICAL WORLD

The world full of happiness,
Friendship between trees and animals;
The friendship without breaking
Is my magical world.

The world full of Love and Affection,
The non-living could talk;
The smiling faces everywhere
Is my magical world.

The world full of Adventurous,
The cats barking and the dog meows;
The crow singing and the dinosaurs dancing
Is my magical world.

The world full of magic,
The blind can see and the dumb talks;
The deaf can hear and the dead become alive
Is my magical world.

No poor and no rich,
No caste and no religion,
No any kind of differences there,
And no any kind of sadness there;
There is always happiness!
No tom-tum dushum life....
Is my magical world.

By Neha Mugate
ECE Department

Newsletter Editors

Faculty Newsletter Editor

Mr. Sriram Kulkarni

Assistant Professor
ECE Department

Student Newsletter Editors

Miss Vaishnavi Shetty
Miss Shravani Malagi

AITM