



Department of Electronics & communication Engineering

Kakatiya Institute of Technology & Science, Warangal - 15

(An Autonomous Institute under Kakatiya University, Warangal)



30-05-2022

Volume 10, Issue 2

Chief Patron

Capt. V. Lakshmi Kantha Rao, Secretary & Correspondent

Patron : Sri P. Narayana Reddy, Treasurer

Chief Editor : Dr. K. Ashoka Reddy, Principal

Editors

Dr. M. Raju, Head of the Dept.

Editors In-charge

Sri A. Pavan, Assistant Professor

Sri P. Yugander, Assistant Professor

Students Editorial Board:

- L. Shashi Preetham (IV/IV)
- Sirumalla Lahari (IV/IV)
- K. Saibhatt (IV/IV)
- Ch. Manohar (III/IV)
- G. Arun (III/IV)
- V. Harika (III/IV)
- P. Mona Gupta (II/IV)
- K. Nikitha (II/IV)
- K. Rishika (II/IV)

Chief Editor Message:

It gives me great pleasure to know that the next issue of newsletter is ready. I congratulate all those who have contributed in bringing out this issue. I take this opportunity to greet faculty, students, alumni and other stakeholders and hope the newsletter gives them a glimpse of activities the institute is venturing into. I congratulate the editorial board of the newsletter for their untiring efforts in collecting and compiling the data without which it would have not been possible to place this newsletter in your hands. In the present context where globalization has become a reality one needs to have autonomy with accountability. One need to develop the competence to make ethical and value based decisions. This demands two things (i) Quality of Teaching and (ii) Contribution towards generation of knowledge (Research). Let us take a resolution to fulfill this twin objective.

-Prof. K. Ashoka Reddy

Editor 's Message:

I congratulate the team as the next issue of "News Letter" of department of ECE is rolling by. They have taken great pains in bringing a shape to this News Letter. It is a rich source of information regarding various activities of the department and I wish the students will get benefitted by participating in great numbers. I congratulate all the students who got placed and wish good luck to all who will be facing the interviews. This newsletter displays the contributions by faculty & students and activities conducted in the Department during Jan 2022 to June 2022 (Even semester of AY 2021-22). I am happy to share that this semester department has witnessed two of the faculty have been awarded with PhD.

-Dr. M. Raju

Placement Statistics

1.	Number of Students Registered for T&P/ Number of students eligible for placements	188
2.	Total Number of placement of-	397
3.	Total number of Students Placed	176
4.	MOENGAGE	01 (14 LPA)

VISION OF THE DEPARTMENT

Develop the department into a full-pledged center of learning in various fields of Electronic and Communication Engineering in pursuit of excellence in Education, Research, Entrepreneurship and Technological services to the society.

MISSION OF THE DEPARTMENT

Imparting quality education to develop innovative and entrepreneurial professionals fit for the globally competitive environment.

To nurture the students in the field of Electronics and Communication Engineering with an overall back-ground suitable for attaining a successful career in higher education, research and Industry.

Program Educational Objectives (PEOs) of the Department:

The PEO's of the B.Tech (Electronics and Communication Engineering) program are focused on making our graduates technologically superior and ethically strong

PEO-I: Building on fundamental knowledge, graduate should continue develop technical skills within and across disciplines in Electronics and Communication Engineering for productive and successful career maintaining professional ethics

PEO-II: Graduates should develop and exercise their capabilities to demonstrate their creativity in engineering practice and team work with increasing responsibility and leadership

PEO-III: Graduates should refine their knowledge and skills to attain professional competence through lifelong learning such as higher education, advanced degrees and professional activities.

Program Outcomes (POs) of the Department:

PO1: Engineering knowledge: Apply the knowledge of



“Have faith and believe in yourself and your abilities, with a boundless vision, determination, motivation and dedication anything is achievable.”

mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate

knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs) of the Department

PSO1: Readiness for immediate professional practice.

PSO2: An ability to use fundamental knowledge to investigate new and emerging technologies leading to innovations.

FACULTY CONTRIBUTIONS

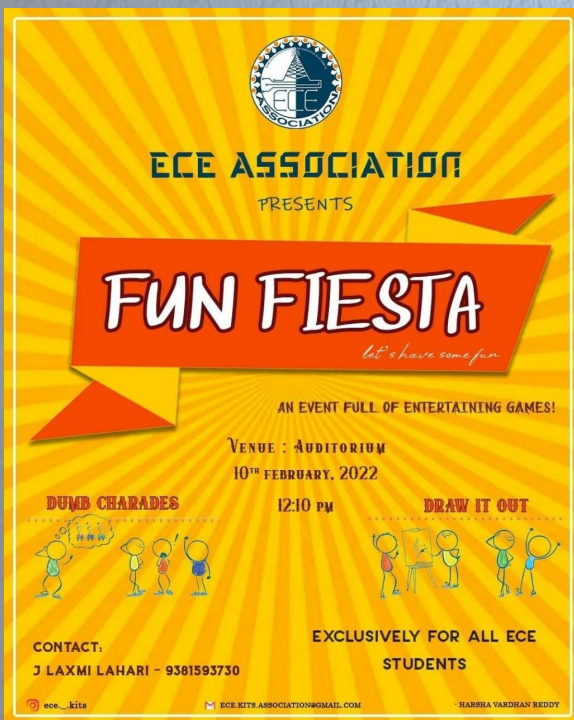
S.no	Category	Count
1.	PhDs	02
2.	Awards received in R & D Activities	01
3.	Patents granted	02
4	Financial grants received	01
5	Faculty as reviewers of journals	02
6	Books authored by faculty	02
7	Faculty as research supervisors	02
8	Publications in national/ international conference proceedings	33
9	Publications in national/ international journals (SCI / SCOPUS)	16
10	Publications in national/ international journals	06
11	Faculty as session chairs/ resource persons for conferences	06
12	STTPs/FDPs/Workshops conducted	08
13	STTPs/FDPs/Workshops attended by faculty	54



"Never say you don't have enough time. You have exactly the same number of hours that were given to the World's Greatest People. Make Best of it."

ECE ASSOCIATION DETAILS

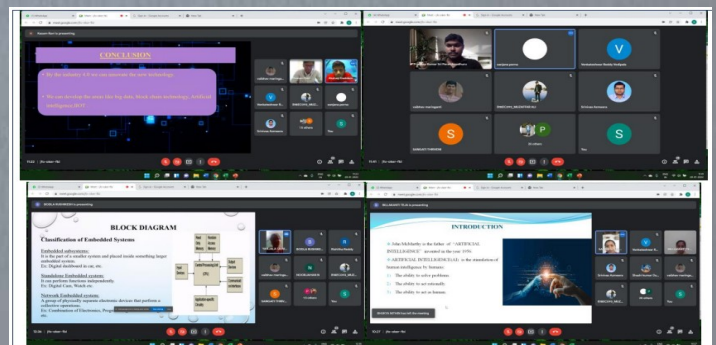
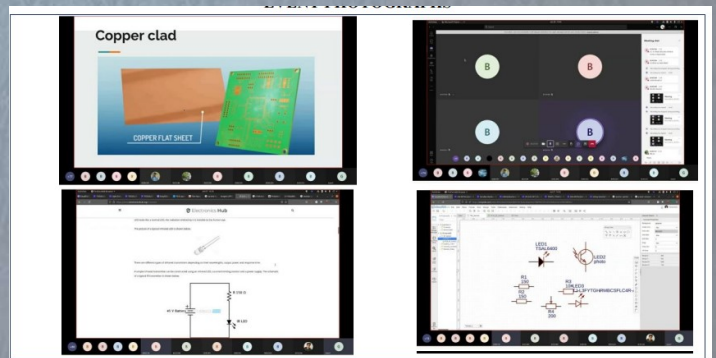
A fun event conducted on 10th February 2022 in the association hour from 12:10 to 1:30 pm in Civil Seminar Hall for ECE students. The quiz competition was between 4 sections ECE1, ECE2, ECE3. The competition consisted 2 rounds. 67 members have participated and made the event entertaining and successful. The coordinator of the event is J.Laxmi Lahari. This event encouraged the stu-



SUMSHODINI'21

Sumshodini'21, a National Level Technical Symposium organized from 27-29 January 2022. The event was successful enough to attract as many as registrations. As part of SUMSHODHINI'21, department of ECE executed with a total of 10 events planned and organized at its best of quality. This is being conducted collaboratively by all the departments under a professional body ISTE KITSW.

A two-day workshop on "PCB DESIGN" for 1st year students and "IOT FOR HEALTH CARE APPLICATIONS" for 2nd year students have been conducted for welfare of the students.



“A good teacher can inspire hope, ignite the imagination, and instill a love of learning”

Volume 10, Issue 2

Page 4

FDP ON CADENCE TOOLS

One week FDP on "VLSI Design using Cadence Tools" conducted by dept of ECE from 16.05.2021 to 20.05.2022. It introduces the participants to the basics of VLSI Design flow and also it can help the participants to understand the concepts through hands-on lab sessions, examples and assignments on CADENCE Tool. In this FDP participants were trained on simulation of various logic circuits viz AND, OR, XOR and inverter.



INDUSTRIAL VISIT TO ATC

The department of ECE has organized an industrial visit to ATS Complex (RADAR Site), AAI Hyderabad on 08/04/2022. Students accompanied by 3 faculty members (Mr.D.Venu, Mr.P.Yugender and Mrs. D.Dhanalaxmi).

