

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**2<sup>nd</sup> Ternary News Letter**  
**(22-61)**



**November- February**  
**(AY 2023-24)**

**Volume:1 ISSUE:2**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**2<sup>nd</sup> Ternary News Letter (AY 2023-24)**  
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**Message from HoD**

The ECE Dept newsletter is a platform for sharing educational information, activities and events related to the ECE Department. I hope that the News letter will provide useful and relevant information. It is the intent of the department to make it a Quarterly publication to keep in touch with the departmental activities and achievements. This is a platform to share information and you can participate by sharing your thoughts on the Departmental activities or by contributing information on the events that you have organized.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**PROGRAM OUTCOMES (POs)**

Po. No	PROGRAM OUTCOME
<b>PO-1</b>	<b>Engineering Knowledge:</b> Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
<b>PO-2</b>	<b>Problem Analysis:</b> Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.
<b>PO-3</b>	<b>Design /Development of Solutions:</b> Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
<b>PO-4</b>	<b>Conduct investigations of complex Computing problems:</b> 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.
<b>PO-5</b>	<b>Modern Tool Usage:</b> Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.
<b>PO-6</b>	<b>The Engineer and Society:</b> 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.
<b>PO-7</b>	<b>Environment and Sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
<b>PO-8</b>	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
<b>PO-9</b>	<b>Individual and Team work:</b> Function effectively as an individual and as a member or leader in teams in multidisciplinary settings.
<b>PO-10</b>	<b>Communication:</b> Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions.
<b>PO-11</b>	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the computing 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.
<b>PO-12</b>	<b>Life Long Learning:</b> 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)**

<b>PSO-1</b>	<b>Professional Skills:</b> An Ability to Understand the concepts of basic Electronics and Communication Engineering and to apply them to various areas like signal processing, VLSI, Embedded Systems, Communication Systems, Digital and Analog devices etc.
<b>PSO-2</b>	<b>Problem Solving skills:</b> An ability to solve complex Electronics and Communication Engineering Problems, using the latest hardware and software tools ,along with analytical skills to arrive cost effective and appropriate solutions.
<b>PSO-3</b>	<b>Successful Career and Entrepreneurship:</b> Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur.

### **Department Vision:**

To produce innovative, ethical and socially responsible graduates in the field of Electronics and Communication Engineering who can address the global and Environmental challenges through excellence in technical education and research.

### **Department Mission:**

**DM1:** To provide creative learning environment to the students by offering state-of-the-art infrastructure, core instruction and highly qualified and motivated faculty.

**DM2:** To adapt the learners to use new technologies in Electronics and Communication Engineering field by engaging in cutting-edge research through collaborations with Industry and academia.

**DM3:** To imbibe self learning attitude, entrepreneur skills, and professional ethics and leadership qualities among the graduates to make them globally competent.

**DM4:** To extend the benefits of the technology to solve the environmental and societal challenges.

## 22. Students



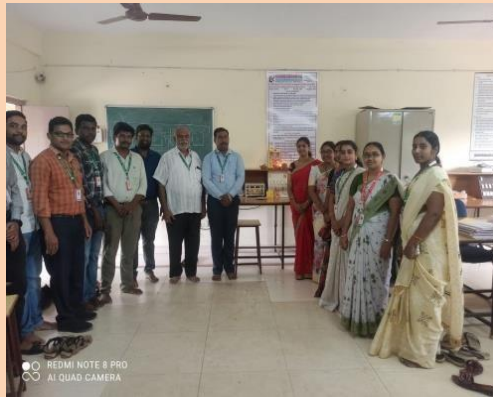
Department of English has organized an Elocution Competition, on the eve of “Bharathiya Bhasha utsav” on the topic “Language and unity in diversity”. Students have exhibited their oratory skills in English, Hindi, Punjabi& Telugu

## 23. IOT Project Expo:



Department of ECE organized an IOT Project Expo

## Events:



Department celebrating Ayudha puja

## 25. Appreciation for Academic:



Awards for their outstanding Achievement in pursuit of Academic excellence



## 26. Webinar



Resource person Mr.Sampath Rayudu Adabala Conducted Webinar on “Current Technologies in VISI”

## 27. workshop:



2-days workshop on From Idea patent: A hands-on workshop on IPR “From Idea to Patent”



## 28. Workshop



ECE-I year students attended training on working of “ROBO ARM” presented by Prof. Jagan Mohan Rao sir

## 29. Branding program:



Accenture Team conducted Branding program for Third year & Final year students

### **30. Inguaration for 3D printing**



Inaugurating 3D printing Program for Third and Final year students

### **31. Training program for Faculty and Students:**



Resource person Mr. B. S. Mehaboob Basha Senior Manager, Conducting  
Program on the “Wipro 3D IoT Lab”

### 32. Faculty Achievement:



Appreciated Dr. S Jagan Mohan Rao sir for his R&D Achievements, Granted Patents and Projects

### 33. Internal quality assurance cell(IQAC):



Lecture delivery Audit conducted for Professor Dr Y Ravi kumar

### 34. Shastra 2.0 level challenge:



I year ECE-A, B, C sec students participated in Shastra 2.0 level challenge

### 35. Interactive session on industry institute interaction:



Interactive session on Industry Institute Interaction conducted by Mr M. Satish kumar, lead- software developer (Embedded)

### 36. Appreciation for ECE students:



Appreciation for ECE students for their wonderful efforts in making the Water E-Diyas, for Shubh Labh Utsav Festival Sale on the occasion of Diwali

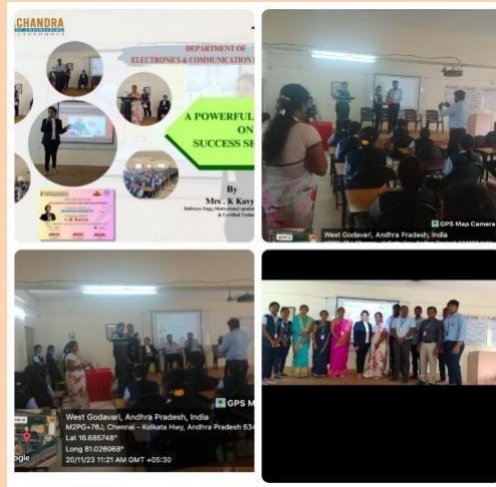
### 37. Valedictory ceremony of RCE:



Valedictory ceremony of RCE “central library celebrations”



### **38. A powerful session on SUCCESS SECRETS:**



A powerful session on “SUCCESS SECRETS “conducted by resource person Mrs. K Kavya software Engineer, motivational speaker, life skill coach &certified trainer

### **39. Student Appreciation for Shastra 2.0 challenge:**



Appreciated shastra 2.0, level 0 toppers form ECE A, B & C sec I year students  
M. Dhana Lakshmi (23ME1A0439), Satya Chaitanya (23ME1A04A9)  
Md. Maha boob Sharief(23ME1A04H4)

#### **40. ECE students participated in JNTUK central zone:**



III-ECE students got selected in JNTUK central zone HANDBALL competition

#### **41. NSS Program:**



Food distribution at government hospital in Eluru.



## 42..JNTUK central zone kho-kho competition:



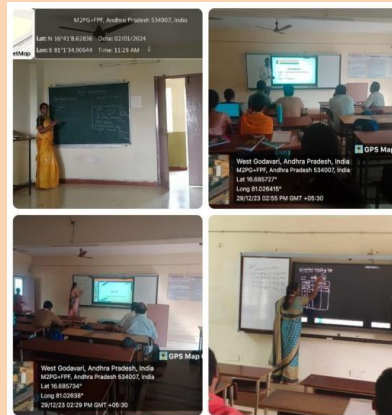
In JNTUK central zone kho-kho competition, our students got second place for

## 43.ALUMINI MEET:



ALUMINI MEET for Old students

#### **44. Faculty orientation:**



Faculty orientation for corresponding subjects

#### **44. First day Workshop:**



Faculty workshop on “Machine learning using Raspberrypi”

#### **45 Faculty orientation:**



Faculty orientation in corresponding subjects

#### **46.Lab orientation:**



Lab orientation for concern subjects

## 47. IIC poster presentation held at KLU University:



I –ECE students participated in IIC poster presentation held at KLU University with the support of IIC coordinators

## 48.ECE students selected to join Accenture through our campus:



ECE students selected to join Accenture through our campus

**49. Bommala koluvu:**



ECE branch Organised “Bommala koluvu” eve of pongal

**50. Felicitating newly married couples:**



Felicitating newly married couples in Pongal event



**51. Student appreciation for rangoli completion in Pongal event:**



Rangoli competition winner got first prize in I ECE-A student

**52. Pongal celebration:**



Different events celebrated in Pongal event

### **53. III-ECE students participated in fest at USHARAMA College of Engineering:**



III-ECE students got first prize in Brain Teasers, BUZZ Plosion, Circuit Wizard, at USHARAMA College of Engineering Fest program

### **54. Organizing Interaction session on Building career in civil services:**



Department of ECE Organized Interaction session on Building career in civil services



### **55. Space Technology Work shop at Cambrian Labs:**



ECE students attended “Space Technology” Work shop at Cambrian Labs, Cambridge Institute Technology, Bangalore

### **56. Industrial visit to HAL Bangalore:**



ECE Students Industrial visit to HAL Bangalore

### **57. Project reviews for IV –ECE students:**



Project reviews conducted for IV –ECE students at Central level committee

### **58.. IV ECE students helping hand to passed-away student family**



IV ECE students participated in helping hand event and donated 10k to passed-away student Vijayakumar of IV CSE (Cybersecurity)

**59. One week FDP on Tool Usage for Research in Electronics and communication engineering:**



Conducted ECE for One week FDP on Tool Usage for Research in Electronics and communication engineering

**60. One week FDP on Tool Usage for Research in Electronics and communication engineering:**



Second day conducted ECE for One week FDP on Tool Usage for Research in Electronics and communication engineering

## **61. Awareness program on Road Accident & First AID Treatment:**



Awareness program on Road Accident & First AID Treatment by resource person  
Dr. Y. Sai Meghana MDS

THANK YOU