

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

3rd Ternary News Letter

(62-84)



**March - June
(AY 2023-24)**

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
3rd Ternary News Letter (AY 2023-24)

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Message from HoD

The ECE Dept News letter 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
PO-1	Engineering Knowledge: 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.
PO-2	Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.
PO-3	Design /Development of Solutions: 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.
PO-4	Conduct investigations of complex Computing 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.
PO-5	Modern Tool Usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.
PO-6	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.
PO-7	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.
PO-8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO-9	Individual and Team work: Function effectively as an individual and as a member or leader in teams in multidisciplinary settings.
PO-10	Communication: 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.
PO-11	Project management and finance: 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.
PO-12	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)

PSO-1	Professional Skills: 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.
PSO-2	Problem Solving skills: 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.
PSO-3	Successful Career and Entrepreneurship: 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.

62. Department of Electronics and communication Engineering
organized by cultural events:



Department of Electronics and communication Engineering organized
a cultural event **“64 FINE ARTS 24 FRAMES”**



Department of Electronics and communication Engineering organized
KREYA
event **“64 FINE ARTS 24 FRAMES”**

63.Certificates Distribution to students attended “Space Technology”:



Students received Certificates from Principal Sir. participated in the "Space Technology" workshop at Cambridge Institute of Technology's Cambrian Labs in Bangalore.

64.Career guidance program is Conducted for third year students:



GATE ACADEMY Interaction with aspirants of GATE 2025

65.Handcrafts program:



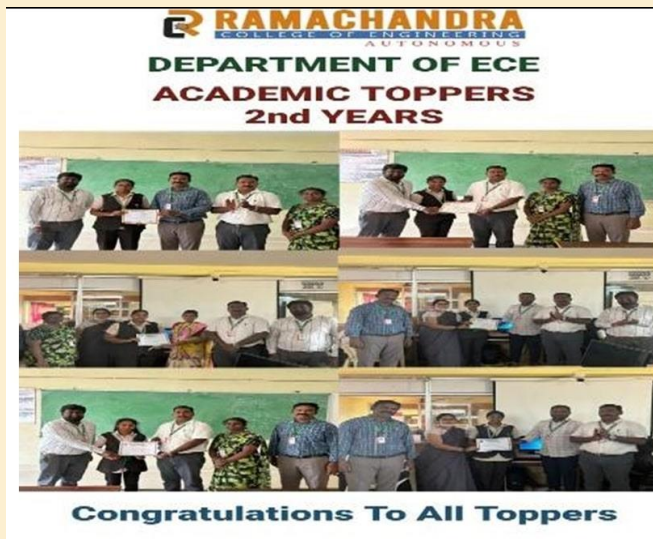
facilitated handcraft projects using waste paper for first-year ECE students.

66.Address of PM to the youth on “chips forVikisit Bharat”:



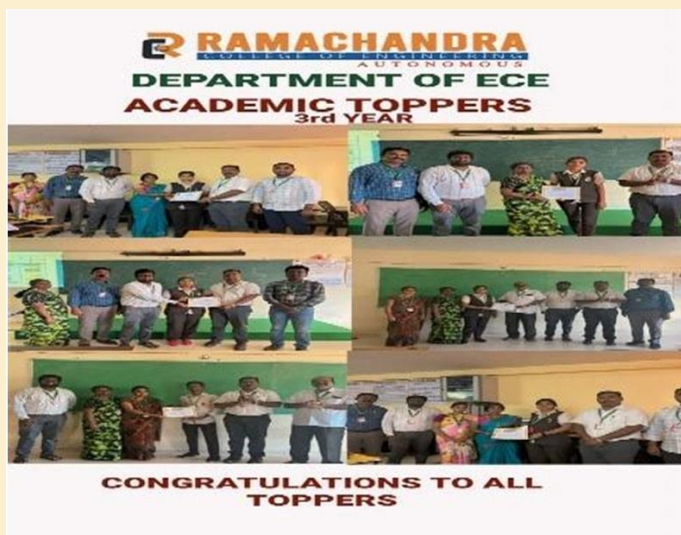
An online conversation with the Indian Prime Minister in support of the establishment of three "chips for Vikisit Bharat" sectors

67.Appreciation for II ECE student's achievement:



Distribution of certificates to A, B, and C section ECE second year academic toppers

68.Appreciation for III ECE student's achievement:



Distribution of certificates to A, B, and C section ECE third year academic toppers

69.Challenge guru competition:



Appreciation for Challenge guru toppers

70.Appreciation for student achievement:



Distribution of certificates to A, B, and C section ECE first year academic toppers

71.Circuit expo for ECE second year students:

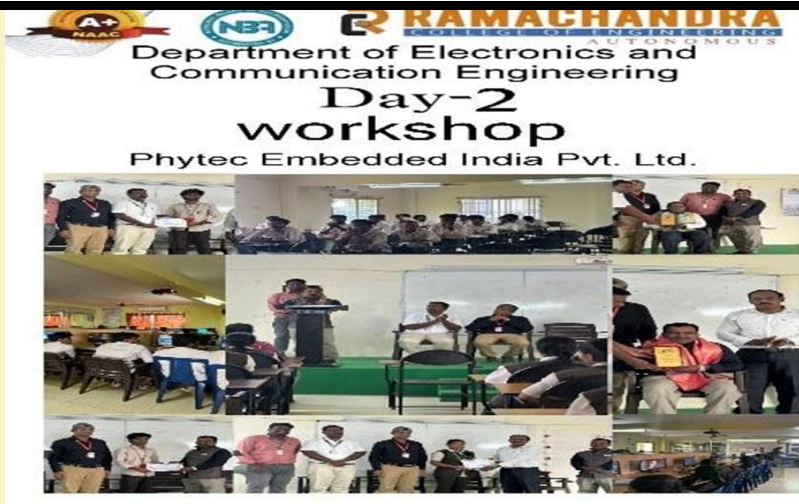


Circuit construction using discrete components

72.2-dayworkshop on Industrial Embedded IOT:



PHYTEC ltd company conducted a 2-dayworkshop on
“Industrial Embedded IOT”



hands-on advanced rugged boards and mems sensors

73. Blood donation camp:



Blood donation camp conducted by ECE Department

74. Mini project expo:



Conducted a Mini project expo for III ECE students

75. Mrs. R Vijaya Lakshmi mam was relived our organization:



Mrs. R Vijaya Lakshmi mam was relived our organization

76.External audit by CMR college:



External audit by CMR college

77.a.DAY-I Faculty Orientation:



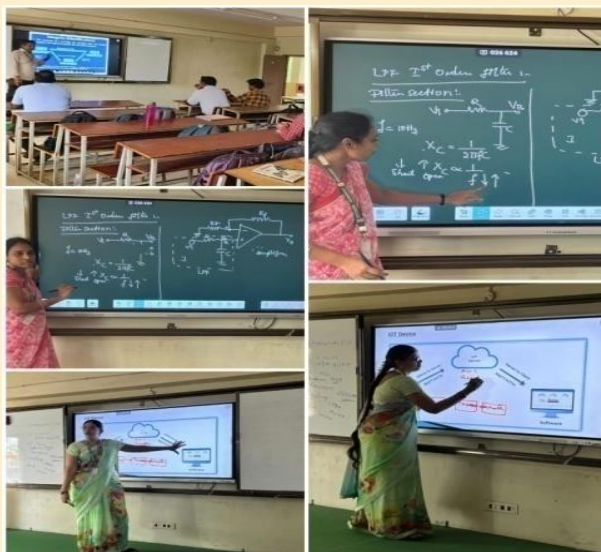
Faculty orientation session by Dr. k Raju (DC) & Mrs. B Suneetha (EMI) & Mr. B Avinash (Radar systems) & Mrs. M Suma (Data communication) & Mr. Y Naveen Kumar (STLD)

b. DAY-II Faculty Orientation:



Faculty orientation Session by Mr. M Rama Krishna (DICD CMOS) &Ms. Ch Lakshmi (EMWTL)

c. DAY-III Faculty Orientation:



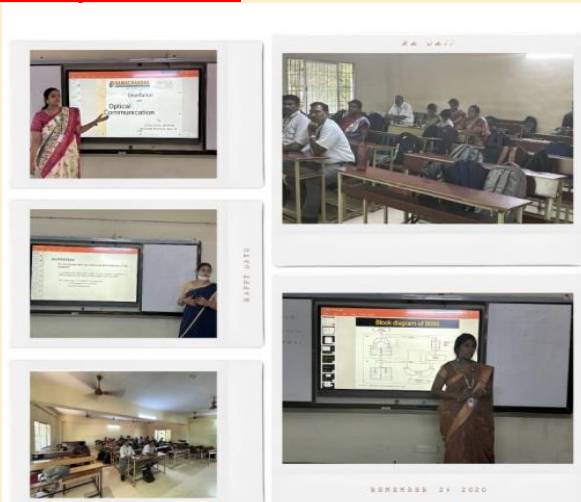
Faculty orientation Session by Mrs. Y Lavanya (AICA)&Mr. NVDP Murthy (CNS)&Mrs. ANL Harisha (sensors &actuators)

d. DAY-IV Faculty Orientation:



Faculty orientation Session by Dr. S J Mohan Rao sir (EMI)&Mr. B Gangadhara (OC)&Mr. N Chandra Paul (sensors &actuators) & Mrs. D Santhi Priya (DICD CMOS)

e. DAY-V Faculty Orientation:



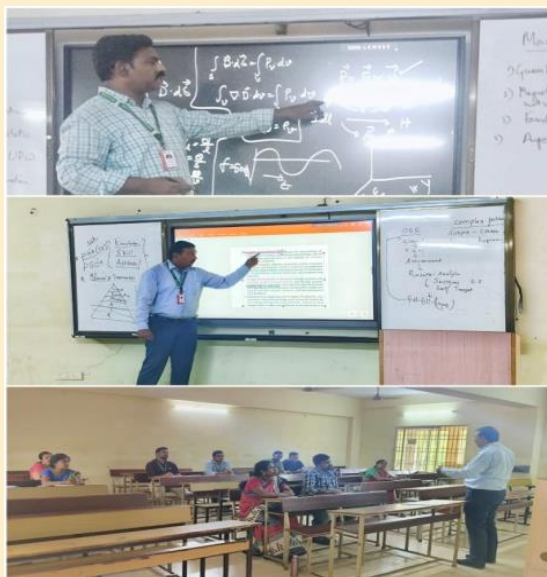
Faculty orientation session by Mrs. P Bhuvana mam (COA)& Mrs. Jeevana Jyothi mam (MPMC)

f. DAY-VI Faculty Orientation:



Faculty orientation Session by Dr. B Raghavaiah sir (EDC)

g. DAY-VII Faculty Orientation:



Faculty orientation session by Dr. J Prasanth Kumar sir(EMWTL)
& HOD sir discussed in OBE

78. Final year students Group Photo:



Final year students Group Photo



Final year students Group Photo

79. Department of ECE organised soldering practice for I ECE Students:



Department of ECE organised soldering practice for
I ECE –A, B, C Students

80. Felicitation of Dr. K. Raju for achieving Doctorate:



RCE family felicitated Dr. K Raju on behalf of securing Doctorate

81. Department of ECE inaugurated ISTE student chapter:



Department of ECE inaugurated ISTE student chapter,
in this regard quiz competition conducted.

82.Tree plantation conducted on behalf of World Environment Day:



Reducing our carbon footprint and preserving the beauty of
our planet for future generation

83.Orientation session:



Orientation and OBE session on internal and External Question paper analysis.

84. Internal Lab Audit



Conducted Internal Laboratory Audit for upcoming odd semester

*** Thank You ***