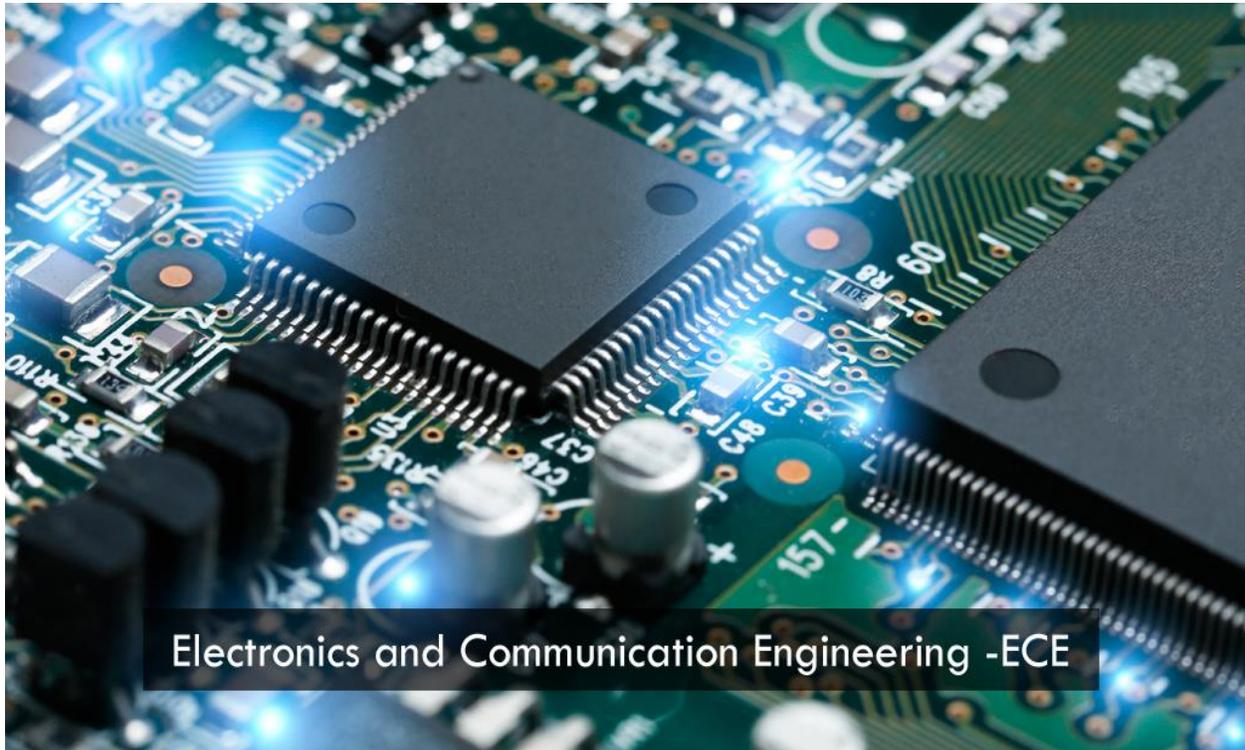


E-PULSE

ECE DEPARTMENT NEWS LETTER



Department of Electronics and Communication Engineering
Chalapathi Institute of Technology, Guntur-522007

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Editor: Dr. P.
Balamuralikrishna
Members: Ch.

Vision of the department:

To impart high-quality technical education to the students to shape them into competent professionals in the field of Electronics and Communication Engineering

Mission of the Department:

M1: Educating students with the cutting-edge technologies in Electronics and Communication Engineering to meet the ever growing challenges of the industry

M2: Fostering faculty and student innovation and creativity in order to carry out collaborative research

M3: Providing ethical and value-based education that encourages participation in activities that address societal needs

Program Specific Outcomes (PSOs):

PSO1: Student will demonstrate the knowledge and understanding of concepts in the area of Electronics Communications, signal & image processing, networking and internet of things (IoT)

PSO2: Should possess the skill to apply the knowledge gained in the field of ECE for the protection of the environment and well being of the society

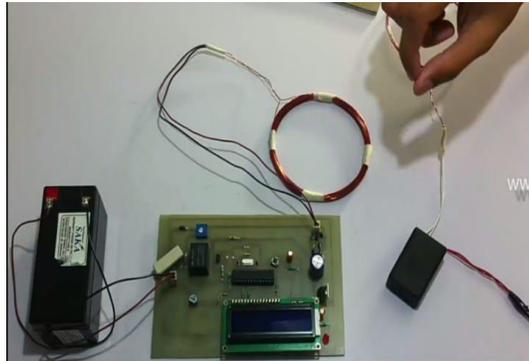
Program Educational Objectives (PEOs):

PEO1: Preparing our graduates for successful careers in the field of Electronics and Communication Engineering.

PEO2: Preparing our graduates to pursue higher education, research and professional development courses.

PEO3: Preparing our graduates to attain leadership roles in industry, academia and research organizations and innovate continuously.

PEO4: Preparing our graduates who will continuously work for the benefit of society as ethical and responsible professionals.

Student Technical Article: wireless mobile charging system

This system demonstrates the concept of wireless mobile charging system . The system allows user to wirelessly charge his mobile phone without plugging in the mobile adapter. We demonstrate the system using a charging pad where user just needs to place his adapter circuit to charge the mobile phone. For this purpose we utilize the advanced power transfer concept. For this purpose we use a high frequency transformer to convert mains input 230V AC to 12 V DC. This output is supplied to the charging pad coil When the adapter coil comes in range of the charging pad coil, the power is transferred wirelessly to the receiving coil and this 12 V dc is provided to the adapter circuit which is used to convert this 12 V DC to 5V DC which is then supplied to the mobile phone. So this allows us to charge the mobile phone wirelessly without plugging it in. The system can be further enhanced by integrating the charging adapter within the mobile itself so that user just needs to place his/her mobile phone on the charging pad to charge it.

Student Arts:

Art by Mr. Teja II ECE

ARTICALS:

'ఇనుప కండరాలు, ఉక్కు నరాలు, వజ్ర సంకల్పం ఉన్న యువత ఈదేశానికి అవసరం.'

**LIST OF CONFERENCES AND WORK SHOPS ORGANISED**

1. Conference on Challenges and Applications of Speech Processing on 07.02.2019 and Dr. P.Bala Murali Krishna, D.Naga Ravi Kiran, Sk.Mastan Basha are the coordinators.



Sample photo of student participation in workshop

Placements

S.NO.	COMPANY	STUDENTS SELECTED
1	Tech Mahendra	5
2	Surya Tech Solutions	7
3	Efftronics Systems Pvt.Ltd	7
4	Keerthi Solutions	4
5	Savantis	4
6	HGS	5
7	TCS	1

STUDENTS PARTICIPATION IN THE EVENTS WITHIN THE STATE**Sample photos of student participation in UDGHOSH**



1. *Chintha Lakshmi Pravallika awarded II Prize(Cash Prize & Certificate) in UDGOSH event conducted by CIT,Mothadaka, Guntur, AP.*
2. *Shaik Sabiha awarded Participation Certificate in UDGOSH event conducted by CIT,Mothadaka, Guntur, AP.*
3. *Borra Venkata Nagalakshmi awarded II Prize(Cash Prize & Certificate) in SAMKALP event conducted by KHIT,Guntur Andhra Pradesh.*
4. *Thumati Deva Alvin awarded Participation Certificate in KITS YUVA event conducted by KKR & KSR Institute Of Technology & Sciences, Guntur, AP*
5. *MuluguriManikanta awarded Participation Certificate in KITS YUVA event conducted by KKR & KSR Institute Of Technology & Sciences, Guntur, AP*
6. *Konduri Madhuri awarded Participation Certificate in KITS YUVA event conducted by KKR & KSR Institute Of Technology & Sciences, Guntur, AP*
7. *KondasaniAchyuth Rami Reddy awarded I Prize(Cash Prize & Certificate) in KITS YUVA event conducted by KKR & KSR Institute Of Technology & Sciences, Guntur, AP*
8. *Banka sirisha awarded II Prize(Cash Prize & Certificate) in SAMKALP event conducted by KHIT, Guntur, Andhra Pradesh.*
9. *Chilamkuri Venkatesh awarded Participation Certificate in SAMKALP event conducted by KHIT, Guntur, Andhra Pradesh.*

STUDENT PARTICIPATION IN THE EVENTS OUT SIDET THE STATE

1. *G.Sravani awarded II Prize(Cash Prize & Certificate) in Ortus 2019 event conducted by Vardhaman Engg. College.*
2. *B.Karthik awarded Participation Certificate in Ortus 2019 event conducted by Vardhaman Engg. College.*
3. *Y.Srilatha awarded Participation Certificate in Ortus 2019 event conducted by Vardhaman Engg. College.*

4. *I.Pushpanjali awarded II Prize(Cash Prize & Certificate) in Drestrin2019 Technical & Management Fest event conducted by Saveetha Engg. College, Chennai.*
5. *K.Lakshmi Triveni awarded Participation Certificate in Drestrin2019 Technical & Management Fest event conducted by Saveetha Engg. College, Chennai.*
6. *M.PushpaLatha awarded Participation Certificate in Drestrin2019 Technical & Management Fest event conducted by Saveetha Engg. College, Chennai.*

PRIZES/AWARDS RECEIVED IN THE EVENTS

1. *Chintha Lakshmi Pravallika awarded II Prize(Cash Prize & Certificate) in UDGOSH event conducted by CIT,Mothadaka, Guntur, AP.*
2. *Borra Venkata Nagalakshmi awarded II Prize(Cash Prize & Certificate) in SAMKALP event conducted by KHIT,Guntur Andhra Pradesh.*
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