

TARANGALU

ELECTRONICS AND COMMUNICATION ENGINEERING



July 2019 - June 2020

**Chalapathi Institute of Engineering and Technology
Guntur**

“We want that education by which character is formed, strength of mind is increased, intellect is expanded and one can stand on one’s own feet”
—Swami Vivekananda

Inside...

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- Student Corner

Editorial Board:

Faculty Members

Mrs. A. Manjusha

Mr.

A. Suresh Student

Members

K. Reethika (III/IV B.Tech)

B. Kishore (IV/IV B.Tech)

The Department of Electronics and Communications Engineering has been functioning since the beginning of the college i.e., from the Academic Year 2007-08 with an intake of 60. The intake was increased to 120 from the academic year 2009-10 the intake was increased to 180 in the academic year 2019-20. The department has well qualified, experienced and dedicated faculty and three faculty are doctorates and some of them are pursuing Ph.D in different streams. ECE department is offering M.Tech course in VLSI and Embedded systems from A.Y. 2012-13 with an intake of 18. Our students got **University First, Fifth and sixth Ranks**. One student has received **Pratibha Puraskar Award** from the Govt. of AP.



**Chalapathi Institute of
Engineering and Technology**

Vision:

Emphasize best practices towards technical knowledge, analytical and practical skills necessary to meet the demands of Electronics and Communication Engineering industry.

Mission:

- Provide Quality education with qualified and dedicated faculty.
- Collaborations with industries/ organizations and provide training/ Internships to meet the demands of industry.
- Create a research environment of excellence.

Department of ECE -Magazine.

Faculty



Faculty of ECE

S.No	Name	Designation	S.No	Name	Designation
1	Prof. T RAMA KRISHNA	Prof & HOD	12	Mr. K.RAJESH	Asst Prof
2	Dr. K VENKATA RAMA RAO	Asso.Prof	13	Mr. M. KOTESWARA RAO	Asst Prof
3	Dr. CHINMAYA KUMAR PRADHAN	Asso.Prof	14	Miss. SK. ASMA	Asst Prof
4	Dr. B. MAHESWARA RAO	Asso.Prof	15	Mr. A. SURESH	Asst Prof
5	Mr. M. SUBRAHMANYESWARA RAO	Asso.Prof	16	Mrs. P. SOWJANYA	Asst Prof
6	Mr. S.VISHNU SANKAR	Asso.Prof	17	Miss. SK. RUBEENA PYARI	Asst Prof
7	Mr. B. VENKATESWARA RAO	Asst.Prof	18	Mr. K.SATISH	Asst Prof
8	Mr. K.ANIL KUMAR	Asst.Prof	19	Mrs. P. PADMAVATHI	Asst Prof
9	Mrs. K.VIJAYA LAKSHMI	Asst.Prof	20	Miss. M.CHUDAMANI	Asst. Prof
10	Mrs. M.SIRISHA	Asst.Prof	21	Mr. G. KRISHNA	Asst Prof
11	Mr. SK. MASTHAN	Asst.Prof	22	Mrs. A. MANJUSHA	Asst Prof
			23	Miss.G.SARITHA	Asst Prof

Activities in the Department

There may be people who have more talent than you, but there is no excuse for any one to work harder than you do.

~~~ DEREKJETER

- Workshop on Python Programming
- Workshop on Embedded system fundamentals
- Guest Lecture on Small Signal Analysis of Transistor Amplifiers
- Guest Lecture on “Electronics Communication System” by Prof.K.Ramesh Babu, Ethiopia, held on 24th July 2019.
- 3 Days workshop on “PCB Design Fundamentals” by B.Nagaraju&Ch.RaviKumar, Trainers, APSSDC, Vijayawada, held from 5th to 10th August 2019.
- Guest Lecture on “Technologies in the Near Future” by Dr.NagaKishore, Assoc.Prof., ANU, Guntur, held on 27th September 2019.

### Workshop on Python Programming

A three-day hands-on Experience on learning the fundamentals of Python to get confident and comfortable with programming. Students will build the projects using python for IOT and Embedded Applications.

### Workshop on Embedded system fundamentals

A three-day workshop on Embedded System organized and its related fields where opportunities are abundant in industry. This workshop focused on Arduino Programming methodologies, debugging techniques and its related projects.



**Python Workshop**

**స్కాల్ సిగ్నల్ ట్రాన్సిస్టర్పై అవగాహన సదస్సు**

లాం(తాడికొండ), ఫిబ్రవరి 07న విద్యార్థులకు ట్రాన్సిస్టర్పై అవగాహన కల్పిస్తున్న అధ్యాపకురాలు పి.దనలక్ష్మి వం రి: ట్రాన్సిస్టర్ విద్యుత్ ప్రవాహాన్ని నియంత్రిస్తుందని ఆచారనాగార్జున విశ్వవిద్యాలయం ఎలక్ట్రానిక్స్ విభాగం అధ్యక్షురాలు పి.దనలక్ష్మి తెలిపారు. స్కాల్ సిగ్నల్ ఆవాలిస్ ఆఫ్ ట్రాన్సిస్టర్ ఆంప్లిఫయర్పై లాం చలవతి ఇంజనీరింగ్ కళాశాలలో గురువారం ఈసీ ఈ విద్యార్థులకు అవగాహన సదస్సును నిర్వహించారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ ట్రాన్సిస్టర్ అనేది సిలికాన్ అనే అర్జన్య పాకం ద్వారా తయారు చేయబడిందన్నారు. కళాశాల సీఈవో డాక్టర్ పీ.లక్ష్మీదేవి మాట్లాడుతూ విద్యార్థులు తరగతి గదిలోనే యుకున్న పరిజ్ఞానాన్ని ప్రయోగాత్మకంగా వినియోగించాలన్నారు. విద్యార్థులు విషయం పరిజ్ఞానాన్ని పెంపొందించుకోవాలని సూచించారు. చార్జ్ కరెంట్ ప్రీస్టేబిల్ డాక్టర్ ఎం.చంద్రశేఖర్, ఈసీఈ విభాగాధిపతి డాక్టర్ పీ.దామకృష్ణ తదితరులు పాల్గొన్నారు.

**Guest Lecture**

ఆంధ్రజ్యోతి ABN Fri, 07 February 2020  
<https://epaper.andhrarajyothy.com/c/48747141>

**Guest Lecture on Electronics Communication System**

In this lecture explained basic communication systems, its applications and types of Communications. Speaker conveys the critical information to the students. It is benefited to students to know the basics and upcoming advancements in the electronics



**3 Days workshop on PCB Design Fundamentals**

Interactive session started with explaining about the basic components used in PCBs and its importance. valuable information about how Green Revaluation is important while making electronic goods and also delivered new ideas for PCB design. We have organized this workshop to provide our students a wide spread knowledge and understanding of practical PCB designing. The indispensable and pervasive knowledge of electronic circuits will give the students and insight to their practical approach and also evokes innovativethinking.

## ACHIEVEMENTS OF FACULTY

### Publications:

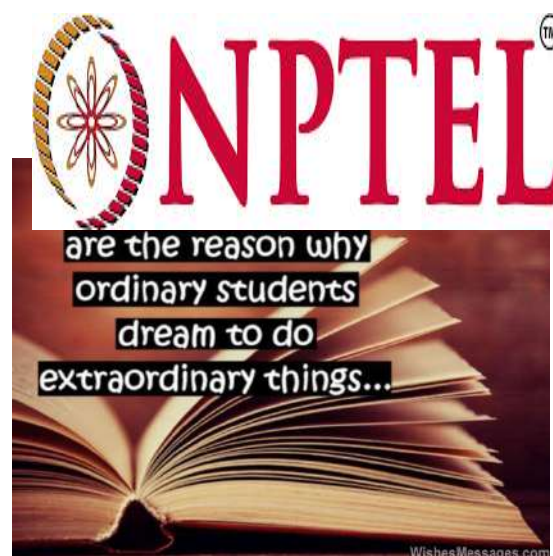
- Ravi Kumar Vuddagiri, Krishna Gurugubelli, **RamaKrishnaThirumuru** and Anil Kumar Vuppala, “**Study of Robust Language Identification Techniques for the Future Smart Cities**”, Accepted in **Elsevier Book** on “Advances in Ubiquitous Computing: Cyber-Physical Systems, Smart Cities, and Ecological Monitoring”.
- Koteswara Rao Mallaparapu, K.V.Ramarao, Shaik Masthan, “**Wavelet Transform Based Estimation of 1 Dimensional Signal**”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-4, February 2020.

### NPTEL Online Certification Courses:

- 12 week course on “**NBA Accreditation and Teaching—Learning in Engineering (NATE)**” by RamaKrishnaThirumuru.
- 12 week course on “**NBA Accreditation and Teaching—Learning in Engineering (NATE)**” by M.Sirisha.
- 12 week course on “**Digital Signal Processing**” by M.Subrahmanyeswara Rao.
- 12 week course on “**Analog Communication**” by M.Subrahmanyeswara Rao.
- 12 week course on “**Digital Circuits**” by M.Koteswara Rao.
- 12 week course on “**Introduction to wireless and cellular communications**” by K.Rajesh.

### FDP and Workshops Attended:

| S.No | Name Of The Faculty         | FDP | Workshop |
|------|-----------------------------|-----|----------|
| 1    | Dr. T Ramakrishna           | 2   | 1        |
| 2    | Dr. K Venkata Rama Rao      | 3   | 2        |
| 3    | Dr. Chinmaya Kumar Pradhan  | 3   | 1        |
| 4    | Dr. B. Maheswara Rao        | 8   | 2        |
| 5    | Mr. M. Subrahmanyeswara Rao | 5   | 1        |
| 6    | Mr. B. Venkateswara Rao     | 5   | 1        |
| 7    | Mr. K. Anil Kumar           | -   | 1        |
| 8    | Mrs. K.Vijaya Lakshmi       | 6   | 1        |
| 9    | Mrs. M.Sirisha              | 7   | 1        |
| 10   | Mr. Sk. Masthan             | 5   | 1        |
| 11   | Mr. K.Rajesh                | 5   | 1        |
| 12   | Mr. M. Koteswara Rao        | 20  | 3        |
| 13   | Miss. Sk. Asma              | 5   | 2        |
| 14   | Mr. A. Suresh               | 2   | 1        |
| 15   | Mrs. P. Sowjanya            | -   | 1        |
| 16   | Miss. Sk. RubeenaPyari      | 3   | 1        |
| 17   | Miss. M.Chudamani           | 6   | 1        |
| 18   | Mrs. A. Manjusha            | 4   | 2        |



## STUDENT PUBLICATIONS :

- KURAGANTI PEDAJU, DR. K. VENKATA RAMARAO ” **DESIGNING OF A LOW-VOLTAGE BIPOLAR SIZING CMOS TECHNIQUE BASED CMOS COMPARATOR**”, Complexity International Journal (CIJ) Volume 24, Issue 03, October 2020 Impact Factor (2020): 5.6 ISSN: 1320-0682
- DR. T. RAMAKRISHNA, B. VENKATESWARA RAO, DUDDUKURU HARI NADHA RAO ” **DESIGNING OF A IOT BASED HEATING VENTILATION AND AIR CONDITIONING SYSTEM USING ESP-12**”, Complexity International Journal (CIJ) Volume 24, Issue 03, October 2020 Impact Factor (2020): 5.6 ISSN: 1320-0682

## SAMVIDH ACTIVITIES:

### • Social Services

We spend time and resources on supporting our students to volunteer, both in their own communities and further afield. Voluntary action may be a service learning component of a student’s academic study, form part of an internship or be an extracurricular activity they pursue in their spare time. On the part of our activities served nearly hundred children in orphan home in Guntur.



### • Sports Meet

Sport encourages ongoing education in skill and personal development. Athletes who learn how to perform better also learn how to be better teammates. We work both indoor and outdoor games to get the most out of their experience. Our SAMVIDH coordinators conduct sports meet twice a Semester.





### Teachers' day

Teachers day celebrated to pay their respects and express their gratitude. The birth date of the second President of India, Sarvepalli Radhakrishnan, 5 September 1888, has been celebrated as Teacher's Day. On the occasion of Teachers day. Samvidh Coordinators celebrated Teachers Day.

### Engineers Day

Every year, the Samvidh celebrates September 15<sup>th</sup> as National Engineer's Day to appreciate the contributions of Mokshagundam Visvesvaraya. On this occasion Students are encouraged to present their technical skills, and awarded the best students by the guest.



### Freshers Day



Every year it is a customary in colleges to celebrate **freshers' day**. The aim of conducting this day is to make the juniors feel welcome and to interact with them.

- Know your seniors in a fun-filled way!
- Enjoy the first event with COLLEGE FRIENDS!
- Make it the most memorable moment of a new journey!
- Click photographs to create memories!

## Placements:

### Our Objectives:

Identification of student's potential and mapping their competencies.

Working as a platform for molding the students according to the requirements of the corporate world.

Designing a web-based job-search portal Carrying out career counseling for students.

Department provides necessary training to impart employability skills to its students.

Department provides necessary arrangements for company visits.



### Recruitment at a glance:

| S. NO | NAME OF THE ORGANIZATION        | NO. OF STUDENTS SELECTED | SALARY PER ANNUM (IN LAKHS) | TYPE OF COMPANY |
|-------|---------------------------------|--------------------------|-----------------------------|-----------------|
| 1     | TCS                             | 01                       | 3.6                         | IT              |
| 2     | MULTIPLIER SOLUTIONS            | 08                       | 2.2                         | IT              |
| 3     | RAAM GROUP                      | 02                       | 2.2                         | CORE            |
| 4     | CRANE VERSITY                   | 02                       | 2.0                         | IT              |
| 5     | EFFTRONICS                      | 46                       | 2.0                         | IT              |
| 6     | WIPRO TECHNOLOGIES              | 01                       | 3.5                         | IT              |
| 7     | CTS                             | 01                       | 4.0                         | IT              |
| 8     | SRAVYA IOT TECHNOLOGIES PVT LTD | 14                       | 1.8                         | IT              |
| 9     | VEE TECHNOLOGIES                | 10                       | 2.0                         | IT              |
| 10    | SUNERIA TECHNOLOGIES            | 5                        | 3.0                         | IT              |

### Few of our Recruiters





### Students Corner:

- Y. Manoj kumar 4th year ECE( 2020 pass Out) had been selected at TCS on 03/08/2019 with CTC3.36
- Y. Manoj kumar 4th year ECE (2020 pass Out) had been selected Multiplier Solutions on 18/09/2019 with CTC2.7



- G. Tejaswini 4th year ECE (2020 pass Out) had been selected Multiplier Solutions on 18/09/2019 with CTC2.6

- P. Chakradhar 4th year ECE (2020 pass Out) had been selected Multiplier Solutions on 18/09/2019 with CTC2.2



- J. Sai Rajeev 4th year ECE (2020 pass Out) had been selected Multiplier Solutions on 18/09/2019 with CTC2.5

- G. Ragavendra Naidu 4th year ECE (2020 pass Out) had been selected Multiplier Solutions on 18/09/2019 with CTC2.7



- P. Manaswini 4th year ECE (2020 pass Out) had been selected Multiplier Solutions on 18/09/2019 with CTC2.2

We welcome your comments and ideas for future issues. Write us at [cietcehod@gmail.com](mailto:cietcehod@gmail.com) For latest news and information contact Editorial Team [@ciet.ece.magazine@gmail.com](mailto:@ciet.ece.magazine@gmail.com).

