

# ece news SYNCOM

A Voice Of Electronics And Communication Engineering

KKR&KSR INSTITUTE OF TECHNOLOGY & SCIENCES  
ECE DEPARTMENT | 2017



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***Dr. Sk. Khamuruddeen***

***Mr. P.Ashok Babu***

***Mr. A.Sarath***

***Student Coordinators***

***Ms.R.Sravani***

***Mr.K.Balaji***

***Mr. A.Naveen Murthy***

## **ABOUT THE DEPARTMENT:**

A resolution inspired by the growth in communication technologies has the potential to transform the country. Department of Electronics & Communication Engineering (ECE) promised to the part of it. Department has been postured in terms of very efficient and effective human resources and state of the art of equipment in the different laboratories. The basic philosophy of teaching and learning process of the Department is based on the concept. All the perception of truth is detection of an analogy. The immense strength of the department lies in its teaching faculty who are prepared readily to adapt to the requirements of the students. Students are encouraged to participate in various Co and Extracurricular activities through Department IEEE Student Chapter, Student Association SPACE. Professors also inculcate the research culture among the student's through funded research projects, innovative designing of the Electronic Circuits and publishing of the papers in reputed journals. Department is treasured by committed teaching faculty with 6 Ph.D holders and lot many are pursuing.

### **Vision:**

Developing highly Qualitative, Technically Competent and Socially Responsible Engineers.

### **Mission:**

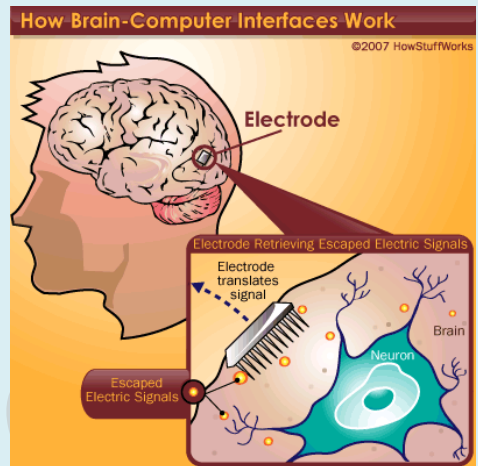
- To provide quality education in the domain of Electronics and Communication Engineering through Enriched curriculum for addressing the needs of Industry.
- Effective teaching learning processes through congenial environment.
- Gaining contemporary knowledge through research, development, curricular, co and extra-curricular activities.

Editor's Voice:

## BRAIN COMPUTER INTERFACE

Brain-computer interface (BCI) is a collaboration between a brain and a device that enables signals from the brain to direct some external activity, such as control of a cursor or a prosthetic limb the interface enables the direct communications path way between the brain and object to be controlled. The human brain is of the size of a deflated volleyball which weighs about 3 pounds. We

live at a time when the disable are on the leading edge of a border societal trend towards the use of assistive technology known as Brain with Computer Interface. Brain-computer interface (BCI) is a collaboration between a brain and a device that enables signals from the brain to direct some external activity, such as control of a cursor or a prosthetic limb the interface enables the direct communications path way between the brain and object to be controlled. With the advent of miniature wireless tech, electronic gadgets have stepped up the invasion of the body through innovative techniques. The BCI system detects such changes and transforms it into a control signal. In the case of cursor control, for example, the signal is transmitted directly from the brain to the mechanism directing the cursor, rather than taking the normal root through the body's neuromuscular system from the brain to the finger on a mouse. By reading signals from an array of neurons and using computer chips and programs to translate the signals into action.



-Mr. Maduguri Sudhir

## **Theme 2017: Big Data for Big Impact**

*World Telecommunications Day (17<sup>th</sup> May) celebrates the constant evolution of one of the most important factors of our lives: communication. The main goal of World Telecommunications Day (WTD) is to highlight the importance of communication and how information travels across the world. It also aims to increase awareness of how crucial communication is in our lives, and stimulate the development of technologies in the field.*

## **National Technology Day on May 11<sup>th</sup>**

*National Technology Day is a very special day for Indian Technology since 1999. It is so significant because India achieved a huge technological advancement on the day. The first, indigenous aircraft "Hansa-3" was test flown at Bangalore on this day. Not only this, India also performed successful test firing of the Trishul missile on the same day. India also executed three successful nuclear tests, carried out at Pokhran, in Rajasthan May 11.*

# PLACEMENTS :

Congratulations to the students of Department of Electronics and communication engineering for campus placement in 2017 in **Object Win** and **GJ solutions**

|   |                    |   |
|---|--------------------|---|
|  |                    |  |
| 1   | N.SRIHARI RAO      |   |
| 2   | O.SWAPNA SRI       |   |
| 3   | D.JYOTHIRMAI       |   |
| 4   | K.ROHIT KUMAR      |   |
| 5   | SK. JABARAL AHAMAD |   |
| 6   | P.LAXMI PRASANNA   |   |
| 7   | A.DEEPTHI          |   |

| GJ solutions |                   |    |                   |
|--------------|-------------------|----|-------------------|
| 1            | N.VAMSI KRISHNA   | 11 | M.RAJA            |
| 2            | R.SAI KRISHNA     | 12 | V. BHARAT         |
| 3            | G.MANOHAR         | 13 | P.SUNIL           |
| 4            | R.VAMSI KRISHNA   | 14 | SD. SHAHEED       |
| 5            | SK. NAZEER BASHA  | 15 | T. ROHITH         |
| 6            | SK. SHAMSHED VALI | 16 | B. LAKSHMI SARIKA |
| 7            | P. VIJAYA SREE    | 17 | B.SOWJANYA        |
| 8            | V.SAMRAJYAM       | 18 | CH.BHAGYASRI      |
| 9            | S.PRIYANKA        | 19 | CH. MOUNIKA REDDY |
| 10           | U.KRISHNA TEJASWI | 20 | K.KUSALAMANI      |



# **FACULTY RECRUITMENT FOR THE A.Y 2017-18:**

As per the advertisement given in the newspaper ECE department received 251 mails. Out of 251 resumes the HR team shortlisted 82 resumes for the assistant/ Associate professor and 6 resumes for Professor Cadre. Call letters has been sent to short listed candidates through mail. On 12<sup>th</sup> may 2017, candidates appeared for the Faculty Recruitment. After the Written test 14 candidates shortlisted for the demo and interview. Finally 6 candidates (4 assistant professors + 2 professors) were selected based on their performance in the interview and demo.

**Prof. C. Satya Narayana** joined to strengthen the ECE department in April. He has 20 years of teaching experience

**Dr. S. Jagadeesan** will be with us from 1<sup>ST</sup> June. He has 10 years of teaching experience

**Mr. R. Rama Mohan, Mr. T. Bala Krishna. Miss. P.Jwalitha and P. Brahmaiah** will join to strengthen the ECE department in June. They have very good experience in teaching.

## Andhra Pradesh State Skill Development Corporation:



APSSDC conducted skill development programme for the ECE final year students from 11<sup>th</sup> May to 23<sup>rd</sup> May 2017. Students learn so many techniques in aptitude. APSSDC is a unique organization formed as a public private partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. The Corporation now serves as the Executive Agency for the

newly formed Department of Skill Development, Entrepreneurship and Innovation. APSSDC will also serve the important task of providing high quality skilled manpower as part of the acknowledge and Skills Mission of Go AP, which is one of the cross-cutting missions among the seven missions formed by the govt to facilitate double digit growth of the state.

## FACULTY ACHIEVEMENTS:



**Dr. Sk. Khamuruddeen, Mr. P. Ashok Babu and Mr. B. Venu attended for a Faculty Development Program “ Intelligent Signal Processing” at National Institute Of Technology, Warangal.**

## Upcoming Event:

# A THREE DAY NATIONAL WORKSHOP on REAL TIME DSP IMPLEMENTATION on TMS320C6713 DSK 8<sup>th</sup> -10<sup>th</sup> June 2017

*This programme is targeted to Electronic, Electrical, and Mechatronic Engineers with some knowledge on Digital Signal Processing Concepts and Microprocessors. This course is based on the Texas Instruments' TMS320C6713 processor and its implementation using Code Composer Studio (CCS). This programme provides emphasis on programming aspects of TMS320C6713 processor using CCS. Thus it offers various lab experiments to implement several DSP algorithms using C and Assembly Language Programming.*

