

## Upcoming Events:

- Planning to conduct PCB Workshop on 2<sup>nd</sup> February 2017
- Planning to conduct Road Safety Awareness Program in the month of February.
- 8<sup>th</sup> Annual Day celebrations will be planning to hold on 15<sup>th</sup> March.

### **Editorial & Design Team :**

#### **Faculty:**

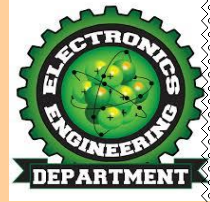
Ms. Gousiasyed,  
Asst.Prof  
Mr. G.VeerendraNath  
Asst.Prof

#### **Students:**

D.Haritha-II year,  
N.Madhavi-III year



*Tele-Electro*  
*DEC-JAN2017*



## Tech News:

### Low-power chip modulator

Through lack of THz facilities, the researchers have created a lower frequency prototype, than can amplitude modulate a 250GHz carrier to 96% intensity with a 14GHz signal.

This is a very promising device that can operate at terahertz frequencies, is miniaturized using main stream semiconductor foundry , and is in the same form factor as current communication devices.

Electromagnetic energy is confined in the wave guide formed in an InGaAs layer sandwiched between two AlGaAs layers.

The two dimensional electron gas forms in the InGaAs through differences between its band gap and that of the surrounding AlGaAs. At the carrier frequency, its carrier makes the 2-D gas lossy causing the carrier to decrease as it passes through. The prototype operates at with under 2V drive and consumes little power.

*Life and time  
are the  
world's best  
teachers. Life  
teaches us  
to make  
good use of  
time and  
time teaches  
us the value  
of time.*

*-A.P.J Abdul  
Kalam*

## Tech-Fest: Dhanush2k17:



Dhanush 2K17 was inaugurated by Mr. SanthiPavan from IIT, madras in the companionship of Dhanekula Ravindranath Tagore garu, chairman and Dr. Ravi Kadiyala Garu, Principal DIET.



*Students Participated in the Events during fest with lot of enthusiasm and energy.*

## Pongal Celebrations:



*Students with much engrossment participating on the event of Pongal .Different events like Rangoli and Kite flying are held.*

## Republic Day celebrations:



The 68th republic day was grandly celebrated in DIET in the presence of Dhanekula Ravindranath Tagore garu and principal Dr.Ravi kadiyala garu. The flag was hosted by Dr. K. Ravi garu along with the parade.

## Winners in Tech Fest 2K17:

### 1. Paper presentation



A.L.Sindhuja(  
Stood First)

In Dhanush-2017 tech fest from ECE department a total of 10 students participated from which a third year student A.L. Sindhuja stood first.

### 2. CKT-Trix



Ch.N..Nikitha(  
Stood First)

From CKT-Trix event in which students need to connect and execute output Second year student Ch.. N.Nikitha stood first among 13 participants.