



# POLARIS

*The Right Spark*

*Dec 2K18,  
Volume 04, Issue: 03*

**NEWSLETTER** 

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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**Student Coordinator:** Mr. A. Sai Santosh (III-EEE)

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The logo for KKR & KSR Institute of Technology & Sciences (KITs). It features the letters 'KITs' in a bold, sans-serif font. The 'K' and 'S' are blue, while the 'I' and 'T' are red. A gear icon is positioned above the 'I'.

**KKR &KSR INSTITUTE OF TECHNOLOGY & SCIENCES**

**(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)**

**Accredited by NAAC with "A" grade | Accredited by NBA**

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*NEWSLETTER: Department of Electrical and Electronics Engineering*



## INSTITUTE VISION & MISSION

### Vision

To produce eminent and ethical engineers and managers for society by imparting quality professional education with emphasis on human values and holistic excellence.

### Mission

IM1	To incorporate benchmarked teaching and learning pedagogies in curriculum.
IM2	To ensure all round development of students through judicious blend of curricular, co curricular and extracurricular activities.
IM3	To support cross-cultural exchange of knowledge between industry and academy
IM4	To provide higher/continued education and research opportunities to the employees of the institution.

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**NEWSLETTER:** *Department of Electrical and Electronics Engineering*

## DEPARTMENT VISION & MISSION

### Vision

Excel in education, research and technological services in electrical engineering.

### Mission

DM1	Impart quality education to produce globally competent engineers and successful entrepreneurs for meeting the current and future needs of power industry.
DM2	Engage in research and development in cutting edge and sustainable technologies.
DM3	Enhance industrial collaboration and professional ethics to serve the society.

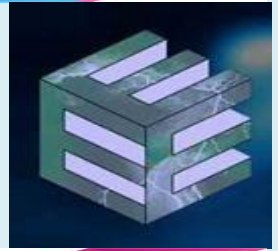
### Program specified Outcomes (PSO'S):

PSO1	Able to utilize the knowledge of Power Electronics in collaboration with Electrical Machines to provide an engineering solution in the areas related to Electrical Drives.
PSO2	To develop new cutting edge Technologies in Power Systems associated with efficient conversion and control of electrical power.
PSO3	Able to use software for design, simulation and analysis of electrical systems.

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## Faculty Achievements

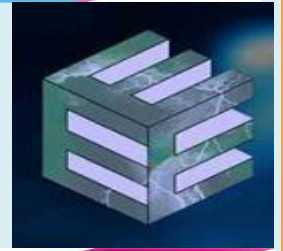


Enriching the faculty vitality in key domains of teaching, assessing, research, professionalism, and administration is perceived to improve educational environment significantly and enhances the academic performance of learners. Faculty vitality is the main ingredient to enhance professional education and competence.

We are proud to say that our head of the department **Dr.M.Amarendra** was invited as one of the speaker for BRICS Youth Energy summit-2018, Moscow, RUSSIA.







## VOLTA Competitions and Celebrations:

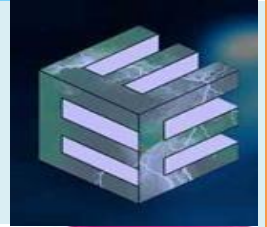
For this academic year our department VOLTA Association started the competitions in the fields of Technical, Cultural and Sports.

Students of all the classes have participated interestingly and won the prizes in all streams.



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## **A Six day workshop on Internet of Things:**

The internet of things refers to a network of physical devices, automobiles, home appliances and all those items that are used in conjunction with actuators, electronics, sensors, software and connectivity to enhance connection, collection and data exchange. The IoT provides a platform that creates opportunities for people to connect these devices and control them with big data technology, which in return will promote efficiency in performance, economic benefits and minimize the need for human involvement. It's the most important development of the 21st century.

APSSDC have organized A six day hands on workshop on IoT to the II-B.Tech students.

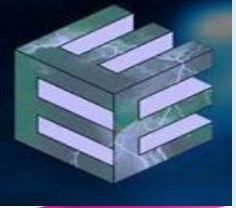




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NEWSLETTER: Department of Electrical and Electronics Engineering



*“If a country is to be corruption free and become a nation of beautiful minds, I strongly feel there are three key societal members who can make a difference. They are the father, the mother and the teacher.”* This illustrious saying of India’s missile man, **Lt. A. P. J. Abdul Kalam** resonating in the minds of every individual

On every **September 5, Teachers’ Day is celebrated** in our college with all the faculty members. Motivational speeches are given by the Management and Heads of various department to develop the nation with the young Engineers.



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## A Six Day workshop on Embedded systems, Microprocessors and Microcontrollers:

Embedded systems can be classified into two types viz. microprocessors and microcontrollers. Microprocessors usually perform a single or very limited set of tasks. In many cases, a single microprocessor may not be of any use at all. Microcontrollers on the other hand can perform a number of operations and thus, can execute a complete task. They can be considered as extended versions of a microprocessor.

Microprocessors are used in various different areas of technology. For example, they are present in the cellular phones that we use. They are also used in mp3 players, refrigerators, microwaves, some remote controls, printing devices, GPS receivers etc.

Thus, embedded systems have become indispensable in today's world and daily human activity (as it is today) without them, is practically impossible.

***APSSDC conducted a Six day workshop was conducted to the III-B.Tech EEE students on Embedded systems, Microprocessors and Microcontrollers.***





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True happiness is something that people feel when they accomplish great success in their life, and to make your teachers and parents feel proud for the achievement.





Congratulations to all the EEE- IV year achievers who have placed in various companies with a total 58 placements for the academic year of 2014-2018.

S.No	REGD NO	NAME OF THE STUDENT	%	PHOTO
1.	15JR1A0228	MOGILSETTY SUBRAMANYAM	83.17%	
2.	15JR1A0208	KASTALA PALLAVI	81.93%	
3.	16JR5A0211	SHAIK SUBHANI	78.76%	

## III-I RESULTS

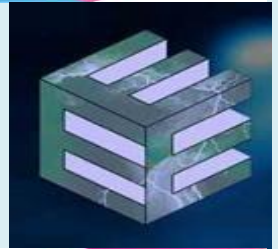
SL.NO	REG.NO:	STUDENT NAME	AGGERATE	PHOTO ID
1	17JR5A0204	YARRAGUNTLA THRIVENI	8.50	
2	16JR1A0207	NALLAMOTHU HARITHA	8.43	
3	16JR1A0217	MADDIREDDY KOTI REDDY	8.23	

## II-I RESULTS

S.No	REGD NO	NAME OF THE STUDENT	SGPA	PHOTO
1	17JR1A0206	KATTA SAI SRI YUKTHA	8.78	
2	17JR1A0205	ODDAPANENI SIREESHA	8.64	
3	18JR5A0215	SYED BARKAT HUSSAIN	8.1	

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## NEWSLETTER: Department of Electrical and Electronics Engineering

Industrial visit is a part of the Education, during which students visit companies and get insight of on the internal working environment of the company.



The industrial visit also provides an insight on how companies work and also useful information related to the practical aspects of the course which cannot be visualized in lectures.

The class of II-B.Tech students went to an industrial visit for NTPPC Thermal power plant, Vijayawada to enhance their knowledge regarding power plant- Generation, Switchgear controlling and more.



## NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

**Student of III B-tech has participated in the NPTEL online certified course on Control system. These courses support to enhance their knowledge apart from the curriculum subjects. these certified courses personally develops the inherent knowledge.**





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## Scientist of the month

**Sir John Ambrose Fleming** [FRS](#)<sup>[1]</sup> (29 November 1849 – 18 April 1945) was an English [electrical engineer](#) and [physicist](#) who invented the first [thermionic valve](#) or [vacuum tube](#),<sup>[2]</sup> designed the [radio transmitter](#) with which the first transatlantic radio transmission was made, and also established the [right-hand rule](#) used in physics.<sup>[3]</sup> He was the eldest of seven children of James Fleming DD (died 1879), a [Congregational](#) minister, and his wife Mary Ann, at [Lancaster](#), Lancashire, and baptised on 11 February 1850.<sup>[4]</sup> A devout Christian, he once preached at [St Martin-in-the-Fields](#) in London on evidence for the [resurrection](#). In 1932, he and [Douglas Dewar](#) and [Bernard Acworth](#) helped establish the [Evolution Protest Movement](#). Fleming bequeathed much of his estate to Christian charities, especially those for the poor. He was a noted photographer, painted water colours, and enjoyed climbing the [Alps](#).

