



SYNCOM

ECE Dept. NEWS LETTER

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WORK SHOP

Conducted a six day event “Internet of Things (IoT)” on 20th December 2018 to 25th December 2018 in the E-CAD Lab.

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GUEST LECTURE

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STUDENT ACHIEVEMENTS

Our college KHO-KHO team participated in technical fest and got first prize.

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FACULTY ACHIEVEMENTS

సంక్రాంతి సంబరాలు

ఈ వేడుక జనవరి 12వ తేదీన కళాశాల లో ఉదయం 10 గంటల నుంచి సాయంత్రం 5 గంటల వరకు నిరవహించారు

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REPUBLIC DAY

70th Republic day was celebrated at KITS College with great Zeal and patriotic forever

VISION, MISSION & PEO'S

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.

ECE Program Educational Objectives

Graduates of Electronics & Communication Engineering Shall

PEO1: Develop a strong background in basic science and mathematics and ability to use these tools in their chosen fields of specialization.

PEO2: Have the ability to demonstrate technical competence in the fields of electronics and communication engineering and develop solutions to the problems.

PEO3: Attain professional competence through life-long learning such as advanced degrees, professional registration, and other professional activities.

PEO4: Function effectively in a multi-disciplinary environment and individually, within a global, societal, and environmental context.

PEO5: Take individual responsibility and to work as a part of a team towards the fulfillment of both individual and organizational goals.

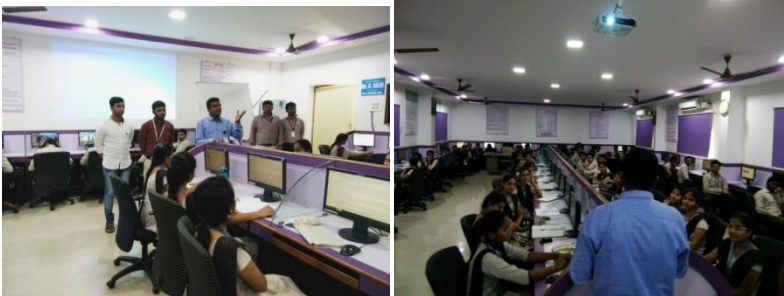
The institute is a symbol of egalitarian outlook without discretions. KITS student activity council is organized exclusively by students with representatives from various disciplines stands for the advocacy of democracy and leadership opportunities provided by the institute. KITS student clubs enable all the students and staff mingle freely to express their views and share their talents and expertise. **KITS imparts Outcome Based Education (OBE)** which gives equal opportunities to teaching and learning curricular, co-curricular and extra-curricular activities

WORK SHOP:

The ECE department in association with **Andhra Pradesh State Skill Development Corporation** conducted a six day event “**Internet of Things (IoT)**” on 20th December 2018 to 26th December 2018 in the E-CAD Lab. This program is targeted to Electronics students with some knowledge on Embedded Systems Concepts and Microcontrollers and IoT. This course is based on the Arduino Nano board and its implementation using Arduino IDE with IoT.

The basic objective of the program is

- To gain the Hands-on workshop
- To improve the Ideas on ES projects
- To enhance Employability Skills



The following codes are wrote and developed in the work shop

- LCD Based Projects
- Motor Based Projects
- distance calculation using ultrasonic sensor,
- distance calculation using IR Sensor
- Calculate the light intensity with LDR.

With the outcome of last five days students tried own project and code implementation on the sixth day. With the great patience all the APSSDC members explained each and every line of programs. They explained the programs and implementation parallel. So many students got the attention to implement the interfacing of sensors with Arduino. Many Students said “I like the Work shop” due to the inspiration. They expressed thanks to the management of APSSDC and KITS College who permitted them to participate in the workshop. After the examination the workshop ended with National Anthem.

GUEST LECTURE:

The ECE association “SPACE” conducted a Guest lecture on “**ELECTRO MAGNETIC FIELD AND TRANSMISSION LINES**” by **Dr.Y.V.Narayana**, Principal, Tirumala Engineering College, Narsaraopet on 27th December 2018 from 2.00PM to 3.40 PM. This guest lecture was conducted to boost the student’s knowledge towards electromagnetic.

The program started with opening remarks of HOD. Later principal sir introduced the speaker to the students. Exactly at 2.30PM the guest lecture was started.

In this lecture he covered the following topics

- Fradays law
- Columbs law
- Gauss law
- Maxewells equations
- Biot-savarts law
- Amperes law

$$\nabla \cdot \mathbf{D} = \rho_V$$

$$\nabla \cdot \mathbf{B} = 0$$

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$$

$$\nabla \times \mathbf{H} = \frac{\partial \mathbf{D}}{\partial t} + \mathbf{J}$$

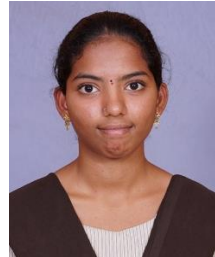


The speaker shared his knowledge with the students. All II year students actively participated in the guest lecture. In the valedictory function, he was honored by the Principal sir with a Shalv and Memento. Finally the session ended with NATIONAL ANTHEM

STUDENTS ACHIEVEMENTS:

Our college KHO-KHO team participated in technical fest and got first prize. Congratulations to all the students who participated and win in the KHO-KHO

- K.Sireesha (16JR1a0462)
- G.Lakshmi Prasanna (16JR1A0420)
- V.V.S .Vasanth (16JR1A04D9)



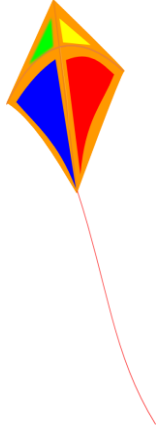
Your game is the game of your team, the game of your supporting. You know when to take the lead and when to let others go. A perfect team deserves a perfect win and you are crowned as a leader of today. For this achievement, congratulation.





FACULTY ACHIEVEMENTS:

	<p>Mr.M.Venu, Asst.Prof successfully Completed the short term Training Program through ICT Mode on “ Organizational Behavior ” from 12.11.2018 to 16.11.2018.</p>
	<p>Mr.T.Venka Rao, Asst.Prof successfully Completed the short term Training Program through ICT Mode on “ Organizational Behaviour ” from 12.11.2018 to 16.11.2018.</p>
	<p>Ms.K.LeelaRani, Asst.Prof successfully Completed the short term Training Program through ICT Mode on “ Organizational Behavior ” from 12.11.2018 to 16.11.2018.</p>
	<p>Mrs.S.Thirumala Devi, Asst.Prof successfully Completed the short term Training Program through ICT Mode on “ Organizational Behavior ” from 12.11.2018 to 16.11.2018.</p>
	<p>Ms.P.Jwalitha, Asst.Prof successfully Completed the short term Training Program through ICT Mode on “ Organizational Behavior ” from 12.11.2018 to 16.11.2018.</p>
	<p>Mr.K.Mallikarjun, Asst.Prof successfully Completed the short term Training Program through ICT Mode on “ Organizational Behavior ” from 12.11.2018 to 16.11.2018.</p>
	<p>Ms.N.Soniya, Asst.Prof successfully Completed the short term Training Program through ICT Mode on “ Organizational Behavior ” from 12.11.2018 to 16.11.2018.</p>



సంక్రాంతి సంబరాలు



సంక్రాంతి లేదా సంక్రమణము అంటే మారడం అని అర్థం. సూర్యుడు మేషాది ద్వాదశ రాశులందు క్రమంగా పూర్వరాశి నుంచి ఉత్తరరాశిలోకి ప్రవేశించడం సంక్రాంతి. అందుచేత సంవత్సరానికి పన్నెండు సంక్రాంతులు

ఉంటాయి. అయినా పుష్యమాసంలో, హేమంత ఋతువులో, శీతగాలులు వీస్తూ మంచు కురిసే కాలంలో సూర్యుడు మకరరాశిలోకి మారగానే వచ్చే మకర సంక్రాంతికి ఎంతో ప్రాముఖ్యం ఉంది. ఇది జనవరి మాసంలో వస్తుంది. మకర సంక్రాంతి రోజున, అంటే జనవరి 15 తేదీన సూర్యుడు ఉత్తరాయణ పథంలో అడుగుపెడతాడు ఈసీఈ విభాగం యొక్క స్పేస్ సంఘము సంక్రాంతి సంబరాలు అనే వేడుక నిర్వహించింది. ఈ వేడుక జనవరి 12వ తేదీన కళాశాల లో ఉదయం 10 గంటల నుంచి సాయంత్రం 5 గంటల వరకు నిర్వహించారు .వేడుకలో భాగంగా ముగ్గుల పోటీ, గాలిపటాల పోటీ మరియు సాంప్రదాయ దుస్తుల పోటీ ని నిర్వహించారు

కిట్స్ లో సంక్రాంతి సంబరాల్లో జానపద కళాకారులు సందడి చేసారు..

సంక్రాంతి అంటే గుర్తు వచ్చేది గంగిరెద్దులు, హరిదాసులు, జంగం దేవరులు వీరందరు కిట్స్ లో సందడి చేస్తు సందర్భకులను ఆట్టుకుంటున్నారు.



కళాశాల మహిళా అధ్యాపకులు వివిధ రకాలు గా పొంగల్ తయారుచేసారు . అనంతరం పిల్లలకు భోగిపళ్ళలో చేమంతి, బంతి పూరేకలు అక్షింతలు చిల్లర నాణేలు పాలకాయలు కలిపి పిల్లల తలపై వోశారు.



విద్యార్థులు సాంప్రదాయ దుస్తులు ధరించి పాఠశాల ఆవరణలో ముగ్గులు వేసి గాలిపటాలను ఎగురవేశారు. విద్యార్థులు చేసిన సాంస్కృతిక ప్రదర్శనలు అందరిని అబ్బురపరిచాయి. ముగ్గుల పోటీలు అంటే మహిళలకు ఎంతో ప్రీతి. కిట్స్ లో ముగ్గుల పోటీల సంబరాలు ఘనంగా నిర్వహించారు, పోటీలలో మహిళలు అధిక సంఖ్యలో పాల్గొన్నారు.



వివరగా కళాశాల చైర్మన్ గారు గతానికి వీడ్కోలు పలుకుతూ... జీవితంలోకి కొత్త కాంతులు ఆహ్వానిస్తూ.. భోగి మంటల వెలుగులతో సంక్రాంతి లక్ష్మీ పలుకుతూ... వచ్చిన భోగి పండుగ అందరికి భోగభాగ్యాలను అందించాలని కోరుకుంటూ భోగి మంటలను వెలిగించారు.



REPUBLIC DAY 2019

Republic day 2019 in India will be celebrated on **26th of January, at Saturday**. In 2019, India will celebrate its **70th Republic Day**. First Republic Day of India was celebrated in 1950.

70th Republic day was celebrated at KITS College with great Zeal and patriotic fervor. Each member of the college was soaked in hues of tri color and their enthusiastic and joy knew no bounds as they celebrated the around the nation. The day became special as it was graced by a son of the soil, a decorated armed force personnel. The celebration began with the imbuing of the tri color by the Principal which was followed by the singing of the National Anthem with patriotic feeling. The dexterity and discipline of the NCC coach was appreciated in the drill presented by the contingent. The synchronized movements of the students in drill presentation intensified the grandeur and solemnity of the occasion.

The speakers underlined that it is very important to realize the difference between war and peace. Everyone took a pledge to uphold the honor, integrity, dignity and uniqueness of our nation. On this eve our department **Natioan Service Scheme (NSS)** Students got the certificates for their services from **2016-19** from the hands of Our Chairman Sir.



A.Pravalika
(15JR1A0403)



K.Rajeswari
(15JR1A0466)



U.Manikanta
(15JR1A04H2)



R.Poojitha
(15JR1A04C9)



B.Bharath
(15JR1A0444)



**K.Pawan
Kalyan**
(15JR1A0496)



M.Tejaswini
(15JR1A0481)



A.Tejasree
(15JR1A0406)



P.Sravan
(15JR1A04F5)

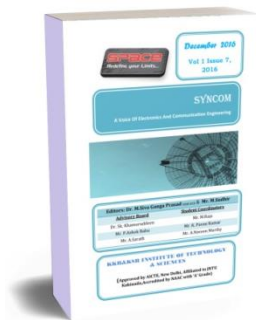


HAPPY NEW YEAR

The ECE department HOD and faculty members wished the Principal sir , Secretary sir and Chairman sir on the eve of NEW YEAR.



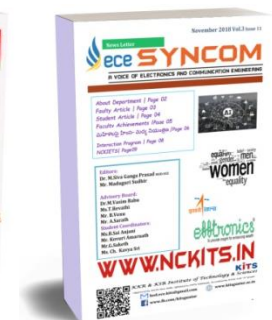
SYNCOM OLD VERSIONS



VOLUME. 01



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**THE ART
OF COMMUNICATION IS
THE LANGUAGE OF
LEADERSHIP...**
- James Humes

KITS KKR & KSR INSTITUTE OF
TECHNOLOGY & SCIENCES

Department of Electronics and Communication Engineering

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING