



ece SYNCOM

A VOICE OF ELECTRONICS AND COMMUNICATION ENGINEERING

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KITS

KKR & KSR Institute of Technology & Sciences

(Approved by AICTE New Delhi, Affiliated to JNTU Kakinada, Accredited by NAAC with "A" Grade)



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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.

GSLV Mk III

About the Launch Vehicle

GSLV Mk III is a three-stage heavy lift launch vehicle developed by ISRO. The vehicle has two solid strap-ons, a core liquid booster and a cryogenic upper stage. GSLV Mk III is designed to carry 4 ton class of satellites into Geosynchronous Transfer Orbit (GTO) or about 10 tons to Low Earth Orbit (LEO), which is about twice the capability of GSLV Mk II.

The two strap-on motors of GSLV Mk III are located on either side of its core liquid booster. Designated as 'S200', each carries 205 tons of composite solid propellant and their ignition results in vehicle lift-off. S200s function for 140 seconds. During strap-ons functioning phase, the two clustered Vikas liquid Engines of L110 liquid core booster will ignite 114 sec after lift-off to further augment the thrust of the vehicle. These two engines continue to function after the separation of the strap-ons at about 140 seconds after lift-off.

The first experimental flight of LVM3, the LVM3-X/CARE mission lifted off from Sriharikota on December 18, 2014 and successfully tested the atmospheric phase of flight. Crew module Atmospheric Reentry Experiment was also carried out in this flight. The module reentered, deployed its parachutes as planned and splashed down in the Bay of Bengal.



The first developmental flight of GSLV Mk III, the GSLV-Mk III-D1 successfully placed GSAT-19 satellite to a Geosynchronous Transfer Orbit (GTO) on June 05, 2017 from SDSC SHAR, Sriharikota.

Height	: 43.43 m
Vehicle Diameter	: 4.0 m
Heat Shield (Payload Fairing) Diameter	: 5.0 m
Number of Stages	: 3
Lift Off Mass	: 640 tonnes

**By/-Mr.Maduguri Sudhir
Asst. Prof.**

What exactly is Artificial Intelligence? It is basically the science and engineering of making intelligent machines, especially computer programs.



The ability to invent intelligent machines has fascinated humans since the ancient times. Researchers are creating systems and programs that could mimic human thoughts and try doing things that human could do. The artificial Intelligence is a combination of computer science, physiology and philosophy.

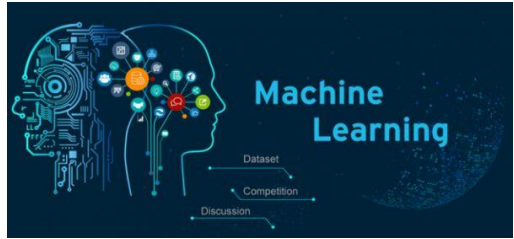
The Artificial Intelligence has come a long way from the old days. It was with the invention of the computers that the Artificial Intelligence method began to maneuver researchers. The technology was finally available and seemed to stimulate intelligent behavior. Intelligent here means, things which could be done at a faster pace and thinking than a human mind. The insights and theory brought about the Artificial Intelligence will set a trend in the future. The current products are just the beginning of the future trend

There are different approaches and methods that are being used in Artificial Intelligence. Two major methodologies or believes are the bottom-up and top-down methods. The bottom-up theorists believe that the best way to achieve the AI is by building electronic replicas similar to the human brains complex network of neurons, whereas the top-down theorists believe in mimicking the human brain's behavior with computer programs.

The Artificial intelligence research is highly technical and specialized. The research of the Artificial Intelligence is based on two main lines. One line is based on the biological thinking where the Artificial Intelligence is based on the idea of human thinking and that system should work like how humans think. The second line is about phenomenal which is based on formalizing common sense and facts about the world. Somehow both the researches intersect and may succeed eventually.

With the input of Artificial Intelligence, it is expected that many of the problems , the machines are expected to solve and that would require an extensive knowledge of the world. A lot of knowledge in various aspects has to be acquired in attaining the knowledge for an AI to function correctly.





Prediction of the usage of Artificial Intelligence is vast. This is a common topic both in science fiction and projections about the future society and technology. Some believe that with the onset of Artificial Intelligence, the progress of the country would be limited and some believe that since these could be replaced for various tasks that humans do, it may lead to unemployment too.



No matter what, science has always progressed and explored various sectors, the Artificial Intelligence is one sector that has great potential and could mark a history to scientific studies in the future.

By/-
Mr. K. Venkata Sai (17JR1A04G0)

FACULTY ACHIEVEMENTS:

	<p>Mr. K. Madhusudan Rao, Prof. of Electronics and communication Engineering has published a paper named “Design Performance of UWB Antenna for Portable Devices Applications”, Indian Journal of Science and Technology, Vol11(44), DOI:10.17485/ITST/2018/V11 I44/137641, Nov2018</p>
	<p>Mrs. P. Sarala, Asst Prof. of electronics and Communication Engineering has successfully completed training of the IEEE Xplore® Digital Library</p>
<p>Mr. M. Madhu Sudhan Reddy, Asst. Prof has participated in one day workshop on “VLSI DESIGN AND CHALLENGES” on 17th November 2018, Sponsored by AICTE under MARGDARSHAN Scheme organized by V.R Siddhartha Engineering College.</p>	
	<p>Mrs. K. Sowjanya, Asst. Prof has participated in one week Faculty Development Program on “RECENT ADVANCES IN COMMUNICATION & SIGNAL PROCESSING” on 29th October 2018 to 4th November 2018, Organised by NRI Institute of technology and NIT Warangal.</p>
<p>Mr. K. Mallikarjun, Asst. Prof has participated in one day workshop on “VLSI DESIGN AND CHALLENGES” on 17th November 2018, Sponsored by AICTE under MARGDARSHAN Scheme organized by V.R Siddhartha Engineering College.</p>	
	



Mr. G.Yaswanth, Asst. Prof has participated in one day workshop on “**VLSI DESIGN AND CHALLENGES**” on 17th November 2018, Sponsored by AICTE under MARGDARSHAN Scheme organized by V.R Siddhartha Engineering College.

Mrs. S.Thirumala Devi, Asst. Prof has participated in one day workshop on “**VLSI DESIGN AND CHALLENGES**” on 17th November 2018, Sponsored by AICTE under MARGDARSHAN Scheme organized by V.R Siddhartha Engineering College.



మహిళలపై హింస- మద్య నియంత్రణ

మహిళలు తమ సమస్యలను ధైర్యంగా ఎదుర్కోవాలేగాని పిరికితనంతో వ్యవహరించకూడదని హైకోర్టు జడ్జి టి.రజని సూచించారు. 'మహిళలపై హింస- మద్య

నియంత్రణ' అంశంపై

వింజనంపాడులోని

కిట్స్ ఇంజనీరింగ్

కళాశాల్లో అఖిల

భారత ప్రజాతంత్ర

మహిళా సంఘం

(ఐదాస్) జిల్లా కమిటీ

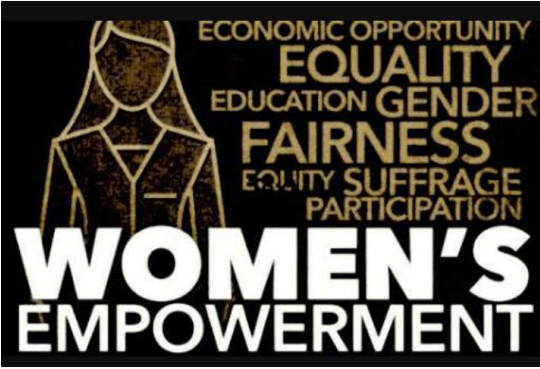


ఆధ్వర్యంలో సదస్సు శనివారం నిర్వహించారు.

ముఖ్య అతిథిగా పాల్గొన్న జస్టిస్ రజని గారు మాట్లాడుతూ మహిళలపై దాడుల్లో 50 శాతానికి పైగా కారణం మద్యమేనని చెప్పారు. మద్యం నియంత్రణపై సామాజిక చర్య, అవగాహన పెరగాల్సిన అవసరం ఉందన్నారు. మహిళలపై ఆధిపత్య ధోరణి పెరగడమూ దాడులకు కారణంగా పెర్కొన్నారు. విద్యార్థులకు చదువుతోపాటు సామాజిక పరిజ్ఞానం కలిగి ఉండాలని, అందుకు తల్లిదండ్రులతో, ఉపాధ్యాయులు కృషి చేయాలని సూచించారు. పుట్టుకతోనే ఎవ్వరూ నేరస్థులు కాదని, పరిసరాలే వారిని ఆ విధంగా మారుస్తాయని చెప్పారు. ఆడవాళ్లకు ఆడవాళ్లే శత్రువులనడం సరికాదన్న ఆమె మహిళలపై దాడుల్లో అధిక శాతం పురుషులు చేస్తున్నవేనని గుర్తు చేశారు. హింస తగ్గాలంటే యువత, విద్యార్థుల్లో సామాజిక స్పృహ పెరిగి వారి ఆలోచనలకు పదును పెట్టాలని, అప్పుడే హింసను ప్రేరిపించే సంస్కృతి, మద్యాన్ని

నియంత్రించడం సాధ్యమవుతుందని వివరించారు. ఇది సమాజంలో హింస పరిష్కారమయ్యే వరకూ నిరంతర ప్రక్రియలా జరగాలన్నారు.

ఐదవ రాష్ట్ర కార్యదర్శి డి.రమాదేవి గారు మాట్లాడుతూ ఐక్యరాజ్య సమితి నవంబర్ 25న మహిళలపై హింస వ్యతిరేక దినంగా ప్రకటించిందని తెలిపారు. డొమినిక్ రిపబ్లిక్ దేశంలో నలుగురు అక్కా చెల్లెళ్ల పోరాట స్ఫూర్తికి గుర్తుగా దీన్ని ఐక్యరాజ్యసమితి గుర్తించిందన్నారు. డిసెంబర్ 10న అన్ని పట్టణాల్లో హింసా వ్యతిరేక ప్రదర్శనలు ఉంటాయని, అందులో విద్యార్థులు అధిక సంఖ్యలో పాల్గొనాలని పిలుపునిచ్చారు. రాష్ట్రంలో ఇతర మహిళా సంఘాలతో కలిసి ఐదవ ఐక్యవేదికను ఏర్పాటు చేసిందని, విద్యార్థులు తమ నివాస ప్రాంతాల్లో మహిళలపై జరిగే హింసకు వ్యతిరేకంగా, మద్య నియంత్రణ కోసం భాగస్వాముల కావాలని కోరారు. ఐదవ వాలంటీర్లుగా చేరేందుకు ఆసక్తి ఉన్నవారు గూగుల్ లింక్ ద్వారా నమోదు కావాలని సూచించారు. విద్యార్థులు ఆత్మగౌరవంతో ఎదగాలని, వరకట్నం, మహిళలపై చిన్నచూపు వంటి సామాజిక దురాచారాలకు వ్యతిరేకంగా నిలబడాలని కోరారు.



కళాశాల చైర్మన్ K. సుబ్బారావు గారు మాట్లాడుతూ శాస్త్ర సాంకేతిక రంగం అభివృద్ధి చెందిన ప్రస్తుతం మహిళలపై దాడులు పెరగడం అవమానకరమన్నారు. విద్యార్థులకు స్త్రీ, పురుష సమానత్వంపై ఐదవ చేస్తున్న అవగాహన కార్యక్రమాలు అభినందనీయమన్నారు. కార్యక్రమంలో ఐదవ జిల్లా కార్యదర్శి ఎల్.అరుణ గారు, నాయకులు ఎంఆర్.దేవి గారు, ఎస్.అంజలి గారు పాల్గొన్నారు.

Interaction Program

On 26th November 2018, All III year ECE students interacted with Efftronics team in KITS College. In the session they explained about the products what they developed along with Vision and Mission of company. Their Vision is to develop Products & Solutions to the Customers which provide truthful information that can optimize & improve the Business Process. The Customers can take knowledgeable decisions towards Enhancing Wealth and Mission is to provide freedom of creativity/innovation in exploiting the potential of Futuristic Technology



Efftronics systems Pvt. Ltd. is (an ISO 9001- 2000 certified IT company) a technology leader in Data Acquisition Systems, Data Dissemination Systems, Multilingual Graphics and Engineering solutions, providing software and hardware design solutions that enable companies to develop better electronic products faster and more cost-effectively. The company offers innovative products and solutions that help customers overcome the design challenges they face in the increasingly complex world of board and chip design.

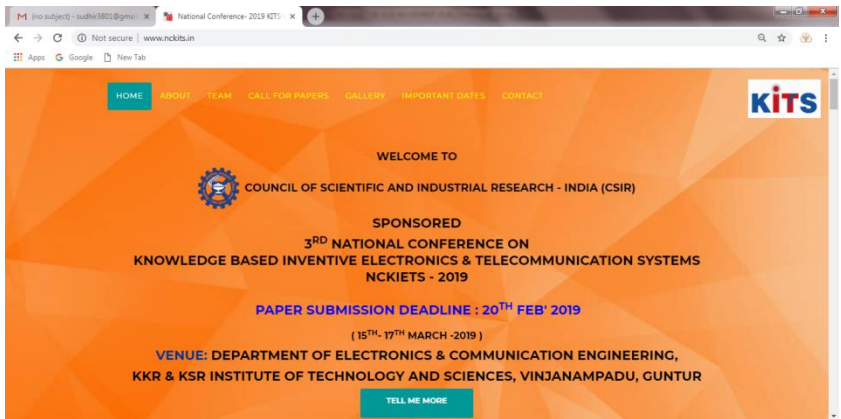


Products:

- Micro Processor Based Data Logger
- Point Machine Health Monitoring Unit
- Automatic Train Charting Software
- Relay Interlocking Supervisory System
- Train Monitoring System
- LED Signal Lamps

NCKIETS-2019

WEB PAGE LAUNCHED



On 29 November 2018 **KNOWLEDGE BASED INVENTIVE ELECTRONICS & TELECOMMUNICATION SYSTEMS NCKIETS - 2019** webpage launched by honorable **Sri. K.Subba Rao Garu**, Chairman, KITS Guntur and **Dr. P.Babu Garu** , Principal, KITS Guntur.



The Improvements in communication and signal processing are affecting many aspect of our life style in the present scenario. The conference focusing on the recent improvement, future developments and latest trends in the field of communications, signal processing, embedded systems, instrumentation and VLSI technology. The objective of this conference is to achieve progress in the direction of the theoretical and practical aspects of the innovative technologies of communication and signal processing. It will also serve as a forum to present the results of research work on topics ranging from the protocols to developed models used for next generation communication systems and signal processing applications. At the same time, the papers are invited in the areas of current and emerging technologies of embedded systems, VLSI etc. Selected and presented papers will be published in special issues of Scopous indexed Journals.

Papers on

- Original Research papers are invited for this conference in the following areas, but not limited to,
- Advanced Communication systems
- Antennas
- Bio-medical electronics
- Big data analysis for communications
- Data analytics for communications
- Embedded Systems
- Fuzzy Logic and Neural Network.
- Image and Video Processing
- Instrumentation
- Internet of Things
- Optical fiber communications system & Networks.
- Sensor Networks
- Signal and Speech Processing
- Very large scale integration
- Wireless technologies

Registration Fees

- Publication in Conference Proceedings only
UG, PG students & Ph.D Scholars **INR 2000**
- Faculty Members **INR 2500**
- Industry authors **INR 3500**

Important Dates

First call for paper : **1st October 2017**

Second call for paper : **1st October 2018**

Paper submission deadline : **4th March 2019**

Acceptance Notification : **5th March, 2019**

Camera ready Paper : **10th March, 2019**

Registration Due : **10th March, 2019**

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