ecenews SYNCOM

A Voice Of Electronics And Communication Engineering

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

Editors: Dr. M.Siva Ganga Prasad HOD-ECE & **Mr. M.Sudhir**

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Mr. A.Sarath   Mr. A.Naveen Murthy

'Be Bold For Change.'
International Women's Day

International Women's Day (March 8) is a global day celebrating the social, economic, cultural and political achievements of women. International Women's Day is celebrated to felicitate women and their achievements. Women have come a long way in their struggle for equality, but there is still a long distance to cover. This year, the theme for Women's Day is **'Be Bold for Change.'**

International Women's Day is celebrated in the **KITS College** by the students and staff with great zeal and passion to increase the awareness about women's rights. This event celebration plays a great role in distributing the real message about the women's right and their place in the society. It promotes the living condition of the women by solving their social issues.

"**KKR & KSR TECHNOLOGY AND SCIENCES**" ECE Department organized **Farewell Party** "**NEVER SAY GOODBYE**" on March 14th 2017 at the college main seminar hall, where students of B.Tech 3rd year bid farewell to the outgoing students of B.Tech final year with great enthusiasm . The programme started at 10.00 AM with a prayer followed by delivering a few soothing messages by the Chairman, Principal, HOD and their class teacher..Lamp Lighting Ceremony was done by the Chairman, Principal & all HOD's. Principal wished good luck to the final year students for their future. He also expressed his hope that students will continue holding best positions in upcoming university exams. Students of B.tech 3rd year presented very entertaining group dance, solo

dance and solo song performances. Students of final year participated in '**Fashion Parade'** . Some exciting games were also arranged for the students and were enjoyed by all. Token of love and appreciation was given to the students by their juniors in "**Momento distribution ceremony**".

" A farewell is not just about saying goodbye to your loved ones. Rather, it is about encouraging and giving your best wishes to someone on his/her new journey"   **- Mr.K.Balaji , III ECE student** .

 " I like the feeling of finding it difficult to say goodbye to someone because it only means that I have found a true friend."

- R. Vamsi Krishna, IV ECE student.

"Keep   me   informed   about   your   welfare! Farewell, my friends I 'll miss you!! "   **- N.Sri Hari Rao, IV ECE student.**

NCKITS-2017

        Department   of   Electronics and communication engineering, KKR & KSR Institute of Technology and science, Guntur has organized a **National Conference on Knowledge Based Inventive Telecommunication System (NCKITS -2017)** from 16th March to 18th March 2017. The prime objective of this conference is to promote research in science between the academic Institute and the industry for improving interdisciplinary

cooperation at National level. The conference format includes keynote, Invited talk, oral presentation of scientific and Technical papers.

About the Conference:

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. Conference proceedings will be published as special issue of reputed Journals.

The registrations were done by the Ms.T.Revathi & Mrs.T.Bhavani .The Inauguration Reception was compeered by the faculty representatives Ms.B.Pradeepthi &Mrs. M.L,S.N.S. Laxmi Madam . As a mark of our tradition and culture, the dignitaries lighted Lamp .

It followed by delivering a few messages by the Chairman, Principal, HOD and and the chief Guest. Later the conferrence proceedings inaugurated by Chief Guest, **Dr. Kota Solaoman Raju, Principal Scientist, Reconfiguration Computing Lab & Wireless Sensor Network Lab.**

Keynote Speech

Department of Electronics and communication engineering, KKR & KSR Institute of Technology and science, Guntur has organized a **National Conference on Knowledge Based Inventive Telecommunication System** on 16th March to 18th March 2017. The **"Keynote Speech"** conducted on "Internet of Things (IoT)" on **16th March, 2017** from 11.45 AM to 1.00 PM in the Seminar Hall. **Dr. Kota Solaoman Raju, Principal Scientist, Reconfiguration Computing Lab & Wireless Sensor Network Lab** is resource person for this talk.

The ECE department conducted an **"INVITED TALK" on "Moving Target Tracking by Using target estimation algorithm"** on **17th march 2017** from 10.00 AM to 11.00 AM in the ECE seminar Hall in the occasion of NCKITS-2017 . **Dr. G.Mallikarjuna Rao, Scientist-F, RCI, DRDO, Hyderabad** is resource person for this talk. This invited talk is conducted to get the awareness among the faculty members towards Research & Development.

For the NCKITS 2017 final Session **Sri D.Rama Krishna garu, Managing Director, Efftronics was the chief guest** .After the feedback from the participants, certificates were distributed to all the participants by chief guest. The Vote of Thanks was delivered by **Dr. Md. Zia Ur Rahman**

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Associate Professor of ECE, on behalf of the department of Electronics and communication engineering, the hosting department; He extended her gratitude to the College Management, Principal, Vice Principal, HOD, Delegates, Panelists and Organizing Committee. The Conference came to end with the National Anthem.

Campus Placements

The above students are selected in **various companies** in campus drives.We wish to appreciate for your dedication and commitment to perform with excellence in various campus drives. You have proven your abilities and talents. Heartfelt obligation to you and keep your spirits.

S.NO	NAME OF THE STUDENT	COMPANY
1	SRUTHI	GLENWOOD SYSTEMS
2	K.A SWETHA PRIYA	CENTRIX TECH
3	RAMINENI M CHANDRIKA	HGS

4	P. VIJAYA SREE	HGS
5	B. SIREESHA	HGS
6	N. SINDHUPRIYA	HGS
7	P. SAI KRISHNA	HGS
8	N. SRI HARI RAO	HGS
9	O. SWAPNA SREE	HGS
10	V. ANUSHA SAI PRIYA	HGS
11	B. SAI KRISHNA	HGS
12	CH.PAVAN KUMAR	HGS
13	G. MANASA	HGS
14	SK. GOUSIYA	HGS
15	M. SAI SRUTHI	HGS
16	SARDAR TEJESWI	HGS
17	M. SITA MAHA LAKSHMI	HGS
18	D. LAKSHMI	HGS
19	K. NANDINI	HGS
20	G. BHARGAVI	HGS
21	JAYANTH BHUPATHI	HGS
22	SK MD. IMRAN	HGS
23	R. VAMSI KRISHNA	NOBLESOL
24	A S D ALEKHYA	NOBLESOL
25	T. CHANDANA	NOBLESOL
26	M. KAVYA SANTHOSHI	MIRACLE
27	A. DEEPTHI	MIRACLE
28	A. VENKATA BHARGAVI	MIRACLE
29	K.LAXMI SRAVANI	MIRACLE

Student Zone:

"**Efforts never drain**"

K.Nishanth Chowdari
(15JR1A04A5)

Sk. Mazida Parveen
(14JR1A04C8)

S. Meghana
(13JR1A04D2)

The above students of KITS ECE got II PRIZE in Paper Presentation as well as Poster Presentation held in the fest UDGOSH, Chalapathi Institute of technology , Mothadaka.

The students of KITS family are more enthusiastic in nature. . Their work has a long term impact on not just the lives, but on society as a whole . **A.Chandana (14JR1A0403)** of III Year ECE won I PRIZE in technical paper presentation on "**Verichip**" in Chalapathi Institute of technology , mothadaka, National Level Fest UDGOSH -2K17.

G.Sirisha (14JR1A0432) & M.Gowthami (14JR1A0484) of III Year ECE along with their team members won I PRIZE in **KHO-KHO** in Chalapathi Institute of technology , mothadaka, National Level Fest UDGOSH -2K17.

Ms. N.Soniya 15JR1D5703 presented papers on "An Efficient Circular Algorithm for Cardiac Signal Enhancement " in National Conference NCKITS 2017

FACULTY ACHIEVEMENTS

DR. Siva Ganaga Prasad presented papers on "Low Latitude Ionosphere Irregularities Detection from Cosmic GPS Radio Occultation" , "Time Varying Constraints considering for Efficient Resource Allocation in Cognitive Radio Networks", "Energy Efficient Clustering Techniques: A Survey", "Notification Algorithm for Cognitive Radio Network based on TV Whitespace" in National Conference NCKITS 2017

Prof. K. Madhu Sudhana Rao presented papers on "Face Recognition by using A Novel Fusion based Hybrid System","" 2-DPCA, ICA, 2-DWT, Neural Network and SVM based Face Recognition", "Micro strip Antenna Design for WLAN Applications" and "UWB Hexagonal Patch Antenna Design and Simulation" In National Conference NCKITS 2017

Dr. Md Zia Ur Rahman presented a paper on "Least Mean Forth Algorithms for Efficient Adaptive Exon Predictors for Locating Exon Regions in Genomic Sequences", "Implementation of FPGA Cryptographic Systems for Symmetric Encryption" , "Cardiac Signal Enhancement based on Adaptive Noise Cancellers with modified Normalized Step Size Algorithms" , and "Prediction of Protein Coding Regions using Modified Data Normalization Techniques "in National Conference NCKITS 2017

Dr. M.Venkata Sudhakar presented a paper on "Optical Wireless Link Design for Indoor Applications" in National Conference NCKITS 2017

Prof. V. Murali Krishna presented papers on "Cross-Camera Knowledge for Multi-vision People Counting " in National Conference NCKITS 2017

Mr. K.Raju, Assoc. Prof presented papers on "Face Recognition by using A Novel Fusion based Hybrid System " , "2-DPCA, ICA, 2-DWT, Neural Network and SVM based Face Recognition", "Gray-level co-Occurrence Matrix and Neural Networks based Exudates Detection in Diabetic Retinopathy

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Images" and "Hybrid Model for Face Recognitio" in National Conference NCKITS 2017

Mr. M.Srinivas ,Asst. Prof presented a paper on "Design and Simulation of CMOS Based Parallel Prefix Adder Using Ladner Fischer" in National Conference NCKITS 2017

Mr. A.Sarath Kumar ,Asst. Prof presented a paper on "Comparison of Efficient Routing in ECA with EEHC in Wireless Sensor Networks"in National Conference NCKITS 2017. And he attended for one week Faculty development program on IoT and its Real Time applications organized by CSE department , KITS Guntur

Mrs. Thirumala Devi ,Asst. Prof presented a paper on "Earth quake Detection using Triggered Roof holes "in National Conference NCKITS 2017

Mr. M.Nagaraju ,Asst. Prof presented a paper on "GSM and GPS based Traffic Congestion Avoidance System"in National Conference NCKITS 2017

Mrs. T.Bhavani ,Asst. Prof presented a paper on "Reduction of PAPR using Non-Linear Companding Transform in OFDM System" and "Orthogonal Frequency Division Multiplexing using Modulation Techniques" in National Conference NCKITS 2017

Mr. E.Bhanu Prasad ,Asst. Prof presented a paper on "Suppression of Side Lobe in OFDM Based Cognitive Radio "in National Conference NCKITS 2017

Mr. E.Venkata Narayana attended for one week Faculty development program on IoT and its Real Time applications organized by CSE department , KITS Guntur

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Mr. A.Sinag ,Asst. Prof presented papers on "Oil well Health Monitoring and Intelligent Based on Control Sensor Network" and "Fuel Based Distance Indicator for Motor Vehicles using Microcontroller "in National Conference NCKITS 2017

Mr. Maduguri Sudhir ,Asst. Prof presented papers on "Maintenance of Pedestrian Way" and "Audio Steaganography for Hiding the Retrieval of Text" in National Conference NCKITS 2017

Ms.T.Revathi ,Asst. Prof presented a paper on "CSA Based Column Bypass Multiplier" in National Conference NCKITS 2017

Mr. T.Venkat Rao ,Asst. Prof presented papers on "Video Surveillance System for Internet of Things (IoT) With Motion Detection using Raspberry Pi" and "Design of CDAS for Trains using Delay Management RF Communication "in National Conference NCKITS 2017

Mr.K. Mallikarjuna Rao,Asst. Prof presented papers on "Quad copter based College Surveillance" and "Ingenious Helmet based Alcohol Sensing, Vehicle Tracking and Accident Proclamation system "in National Conference NCKITS 2017

Mr. B.Venu ,Asst. Prof presented papers on "OFDM Performance improvement with Partial Transmit" and "Enhancement & Monitoring of Fetal Electrocardiogram (FECG) using Adaptive Filtering" in National Conference NCKITS 2017

Mrs. P.Sarala ,Asst. Prof presented a paper on "Peak-to- Peak Average Power Ratio Reduction for MIMO-OFDM System using STBC" in National Conference NCKITS 2017

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Ms. Bhanavathu Pradeepthi ,Asst. Prof presented papers on "Solar & GSM based Automatic Irrigation Water Leveling System", "Theft Prevention   in car using Child Presence Detector and Warning System" in National Conference NCKITS 2017

Mrs. M.L.S.N.S. Lakshmi ,Asst. Prof presented papers on "Implementation of Triple band notch Characteristics in Octagonal Monopole Ultra-Wideband antenna", "Dual Band Notched Square shaped Slot Ultra Wideband antenna" and "Imperfect channel Avoidance and Noise Reduction using Automatic Gain Controlled System in Eye-Pattern"in National Conference NCKITS 2017

Mr. K.Murali Krishna ,Asst. Prof presented papers on "Bias Corrected Levelset for Lung Image Segmentation" and "Cancellation of Inter Symbol Interference using Adaptive Decision Feedback Equalizers" in National Conference NCKITS 2017

Editor's Voice:

Palm vein technology

Palm vein technologies are one of the upcoming technologies which is highly secure. It is the world's first contactless personal identification system that uses the vein patterns in human palms to confirm a person's identity. It is highly secure because it uses information contained within the body and is also highly accurate because the pattern of veins in the palm is complex and unique to each individual. Moreover, its contact less feature gives it a hygienic advantage over other biometric authentication technologies.

The palm secure works by capturing a person's vein pattern image while radiating it with near-infrared rays. The Palm Secure detects the structure of the pattern of veins on the palm of the human hand with the utmost precision. The sensor emits a near infrared beam towards the palm of the hand and the blood flowing through these back to the heart with reduced oxygen absorbs this radiation, causing the veins to appear as a black pattern. This pattern is recorded by the sensor and is stored in encrypted form in a database, on a token or on a smart card.

-    **M.Sudhir, Asst. Prof**