

Report of
Council of Scientific & Industrial Research
Sponsored



**National Conference On
Knowledge based Inventive Electronics
& Telecommunication Systems**

NCKIETS-2019

from 15th March 2019 to 17th March 2019

Conference Chair:

Dr. M. Siva Ganga Prasad,
Professor & Head of ECE Department, KITS.

Organising Chair:

Dr. M. Vasim Babu
KITS, Guntur

Organised By

Department of Electronics And Communication Engineering



KKR & KSR Institute of Technology & Sciences

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



NCKIETS-2019 Report

DATE : 15th March 2019 to 17th March 2019

EVENT : National Conference

TIME : 10.00AM

VENUE : KITS Guntur

ORGANIZED BY : E.C.E Dept.

EVENT DESCRIPTION:

Department of Electronics and communication engineering, KKR & KSR Institute of Technology and science, Guntur has organized a **National conference on Knowledge Based Inventive Electronics & Telecommunication System (NCKIETS -2019)** on 15th March to 17th March 2019. 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, oral presentation of scientific and Technical papers. All papers were selected with Double blind review with binary decision Method. In 257 papers 61 papers were selected by the reviewers by Double blind review with binary decision Method. The acceptance ratio is **23.73%**



Figure 1 NCKIETS 2019 Banner

ABOUT 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. Selected and presented papers will be published in special issues of Scopus indexed Journals.

This national conference provided a forum for research scholars, scientist and academician in the field of electronics and communication engineering in 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.

ABOUT CSIR:

Council of Scientific & Industrial Research (CSIR), India, a premier national R&D organisation, is among the world's largest publicly funded R&D organisation. CSIR's pioneering sustained contribution to S&T human resource development is acclaimed nationally. Human Resource Development Group (HRDG), a division of CSIR realises this objective through various grants, fellowship schemes etc. Human Resource Development Group has been contributing significantly towards producing an inquiring society and fast growing knowledge economy. These numerous schemes cover a wide range of scientists.



Figure 2 CSIR Logo

SESSION ACTIVITIES:

Day 01 15th March 2019

The process of Registrations were done by the Ms.P.Kranthi & Mrs.T.Bhavani .The Inauguration Reception was compeered by the faculty representatives Mr.M. Sudhir , Mr. K.Mallikarjuna, Mr. M.Venu and Mrs. S. Thirumala Devi. The Chief Guest for this conference was **Dr. Soloman Raju , Principal Scientist, CSIR**. He entered into the seminar hall along with the HOD and Management members.



Figure 3 Registrations



Figure 4 Welcome Banner for Chief Guest

The hosts for the inauguration were Mr.Nikhil and Ms. Tanmayi.. Then Our Chief Guest along with our Management members graced the dais. As a mark of our tradition and culture, the dignitaries lighted the Lamp.



Figure 5 Hosts for the NCKIETS-2019



Figure 6 Lighting of Lamp

It was followed by delivering a few messages by the **Dr. M.Siva Ganga Prasad** Conference Chair ,**Dr. M.Vasim Babu**Organizing Chair ,**Principal Sir, Secretary Sir , Chairman Sir** and **The Chief Guest**. Later the conference proceedings inaugurated by Chief Guest was **Dr. Soloman Raju , Principal Scientist, CSIR**.



Figure 7 Message by Dr. M.Siva Ganga Prasad



Figure 8 Message by Dr. M.Vasim Babu



Figure 9 Message by Dr. P.Babu, Principal



Figure 10 Message by Sri. K.Subba Rao, Chairman



Figure 11 Message by Dr. Soloman Raju , Principal Scientist, CSIR



Figure 12 Inauguration of Conference Proceedings

Key note speech:

The Chief Guest, **Dr. Soloman Raju , Principal Scientist, CSIR**, in his keynote address, Discussed about **“Internet of things (IoT)”**. The Internet of things (IoT) refers to the concept of extending Internet connectivity beyond conventional computing platforms such as personal computers and mobile devices, and into any range of traditionally "dumb" or non-internet-enabled physical devices and everyday objects. Embedded with electronics, Internet

connectivity, and other forms of hardware (such as sensors), these devices can communicate and interact with others over the Internet, and they can be remotely monitored and controlled.

The definition of the Internet of things has evolved due to convergence of multiple technologies, real-time analytics, machine learning, commodity sensors, and embedded systems. Traditional fields of embedded systems, wireless sensor networks, control systems, automation (including home and building automation), and others all contribute to enabling the Internet of things. In the consumer market, IoT technology is most synonymous with products pertaining to the concept of the "smart home", covering devices and appliances (such as lighting fixtures, thermostats, home security systems and cameras, and other home appliances) that support one or more common ecosystems, and can be controlled via devices associated with that ecosystem, such as smartphones and smart speakers.. In the valedictory function, the chief guest honored by the Chairman sir with a Shalv and Memento.



Figure 13 Key Note Speech and Honoring of chief Guest

Session I:

The conference received good response from researchers, academicians and students. In this session 10 papers presented in front of session chair. **Prof. C.Satya Narayana** was session chair, **Dr. Sk.Khammuruddin** was the Co-session chair for this technical session. Session coordinators were **Mr.K.Mallikarjuna Rao** and **Mr.P.Ashok**

The paper presented by S. Ravivarman on “Design and Implementation of a Fuzzy Adaptive Controlled Permanent Magnet Synchronous Motor Drive Employed in Electric Vehicle” was received good response from the Session chair and participants.



Figure 12 Session Chair and Co Chair

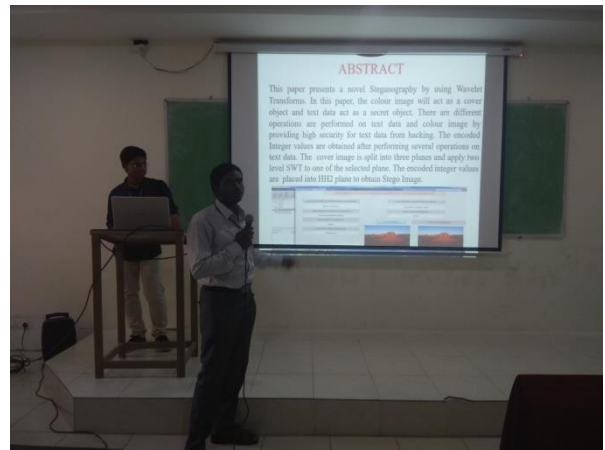


Figure 13 Presenting A Paper

Session 02:

On the second day the conference received good response from researchers, academicians and students. In this session 10 papers presented in front of session chair. **Dr. M.Suman Depty, Reg,Kluniversity** was session chair and **Dr.M.VasimBabu** was the Co-session chair for this technical session. Session was co.ordinated by **Mrs.T.Bhavani** and **Miss. N. Soniya**. The paper presented by the KITS student on The Cognizance of Brain Tumor by Using Trilogy of MSG Algorithm got good response from the audience.

Day 02 , 16th March 2019

Session 03:

In this session 10 papers presented in front of session chair. **Dr.M. Vasim Babu** was session chair, **Mrs. P. Sarala** was the Co-session chair for the technical session. Session coordinators were **Mr.G. Yeswanth** and **Mr.M. Sudhir**. The presentations like “Alexa Based Medicine Reminder using IOT” ,” An Evolutionary Based Entropic Image Thresholding Approach for

Nano-Scale Microscopic Image Segmentation” and “Image Based Vehicle Number Plate Detection” were get good response.

Session 04:

In this session 10 papers presented in front of session chair. **Prof. V. Murali Krishna** was the session chair, **Mr. K. Mallikharjuna Rao** was the Co-session chair for this technical session. Session was co ordinate by **Mrs.S.Thirumala Devi and Mrs.T.Revathi**. Few papers like “Feature Extraction for Remote Sensing Image Scene” , “A Novel Design of Hexadecagon Circular Patch Antenna for Multi Frequency of Operation in Satellite Communications” etc... are presented in this session.

Day 03 , 17th March 2019

Session 05:

In this session 10 papers presented in front of session chair. **Dr. C. Arunabala** was session chair, **Mr. G. Malyadri** was the Co-session chair for the technical session. Session co ordinators were **Mr.M.Venu and Ms.K. Leela Rani**. The presentations like “A Novel Strategy To Improve The Bandwidth For Wireless Communication Using E-Shaped Patch Antenna” was get good response.

Session 06:

In this session 10 papers presented in front of session chair. **Prof. K. Madhusudhan Rao** was session chair, **Mr. A.Sarath Kumar** was the Co-session chair for the technical session. Session co ordinators were **Mr.R.Ramamohan and Mrs.K.Sowjanya**.



Figure 14 Dr.Lakshmi Kanth Garu

The conference received good response from researchers, academician and students. After the feedback from the participants, certificates were distributed to all the participants by chief guest. **Dr. Lakshmi Kantham Garu** was the Chief Guest for the valedictory. The Vote of

Thanks was delivered by **Dr. M.Vasim babu** 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.



Figure 15 Certificate Distribution



Figure 16 Certificate Distribution

కిట్స్ లో ప్రారంభమైన జాతీయ సదస్సు

కర్ణాటకలో కిట్స్ ఇంజనీరింగ్ కాలేజీలో శుభ్రవారం కొద్దిగ ఆన్ సైటింగ్ ఆండ్ ఇంటర్నెట్ రిసెర్చ్ (సీఎన్ఆర్ఐ) అధ్యక్షుల వినోదానుభవాల-2019 తోటటు సదస్సు మంపూ ప్రారంభమైంది. 3 రోజుల పాటు నిర్వహించే ఈ సదస్సులో తొలిరోజు ముఖ్య అతిథిగా పిలవబడిన సీఎన్ఆర్ఐ ప్రెజిడెంట్ పరిశోధనలు ద్వారా కోటా సాల్వరాలా పోజర య్యారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ జాతీయ సదస్సులు విద్యా సంస్థలు, పరిశ్రమల మధ్య అంతర్గతాన్ని త్రింపడానికి తోడ్పడతాయని పేర్కొన్నారు. పరిశోధనలు నిత్య సూత్రంగా అభివృద్ధి చెందుతున్న సాంకేతిక పరిష్కారాన్ని అందిస్తున్నారని సూచించారు. కళాశాల ప్రెజిడెంట్ కోటా సుబ్బారావు మాట్లాడుతూ సీఎన్ఆర్ఐ కేంద్ర ప్రభుత్వ సంస్థ అని రేక వాస్తవంగా పరిశోధన రంగంలో అభివృద్ధి కోసం ప్రత్యేక శ్రద్ధి చెప్పుకున్నారని సందర్భం ద్వారా విద్యార్థులతోపాటు అధ్యాపకులకు కూడా విశేషంగా నాల్గోను పెరిపొందించు కోవడానికి రోపర వచతుం దున్నారు. కళాశాలే మున్నెండు రోజుల్లో ద్వారా ఎం. కెవంగ ప్రసాద్ పాల్గొన్నారు.

అధ్యాపకులకు కూడా విశేషంగా నాల్గోను పెరిపొందించు కోవడానికి రోపర వచతుం దున్నారు. కళాశాలే మున్నెండు రోజుల్లో ద్వారా ఎం. కెవంగ ప్రసాద్ పాల్గొన్నారు.

అధ్యాపకులకు కూడా విశేషంగా నాల్గోను పెరిపొందించు కోవడానికి రోపర వచతుం దున్నారు. కళాశాలే మున్నెండు రోజుల్లో ద్వారా ఎం. కెవంగ ప్రసాద్ పాల్గొన్నారు.

Figure 17 Paper Clipping

పరిశోధనాంశాలపై దృష్టి సారించాలి

విజనంపాడు (పట్టిచెరుకూరు), న్యూస్ టుడే: పరిశ్రమలు నైపుణ్యం కలిగిన యువతను ఉద్యోగులుగా తీసుకునేందుకు ముక్కువ చూపుతాయని సీఎస్ఐఆర్ ప్రిన్సిపల్ సైంటిస్ట్ కె. జ్యోతి వెలిగిస్తున్న శాస్త్రవేత్త సాల్మాన్ రాజు తదితరులు సాల్మాన్ రాజు అన్నారు.

మండలంలోని విజనంపాడు కిట్స్ ఇంజనీరింగ్ కళాశాలలో టెలీ కమ్యూనికేషన్స్ సిస్టమ్స్ పై (ఎన్ఎస్కేఐఈటీఎస్-19) ఈసీఈ విభాగం ఆధ్వర్యంలో మూడు రోజుల పాటు జరిగే జాతీయ సదస్సును శుభ్రవారం ఆయన ప్రారంభించి మాట్లాడారు. నైపుణ్యం పెంపొందించడానికి అనేక ప్రభుత్వ, ప్రైవేటు విశ్వవిద్యాలయాలు కృషి చేస్తున్నాయని చెప్పారు. అధ్యాపకులు పరిశ్రమలకు, విద్యార్థులకు మధ్య అనుసంధాన వారధులుగా ఉండాలని తెలిపారు. కార్యక్రమంలో చైర్మన్ కోయి సుబ్బారావు, కార్యదర్శి కోయి శేఖర్, ప్రిన్సిపల్ పి.బాబు, విభాగాధిపతి శివగంగప్రసాద్, సహాయక అచార్యులు పశీంబాబు పాల్గొన్నారు.

Figure 18 Paper Clipping

Edited by:
Mr. Maduguri Sudhir Asst. Prof
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