

Report of

National Conference
On
Knowledge based Inventive Telecommunication
Systems

NGKITS-2018

from 15th March 2018 to 17th March 2018

Conference Chair:

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

Organizing Chair:

Dr. Md. Zia Ur Rahman,

TPC Chair:

Dr. V. Anil Kumar, IIIT, Hyderabad

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)



KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES

Approved by AICTE New Delhi | Affiliated to JNTU Kakinada



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

NCKITS-2018 Report

DATE : 15th March 2018 to 17th March 2018

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 Telecommunication System (NCKITS -2018)** on 15th March to 17th March 2018. 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 307 papers 74 papers were selected by the reviewers by Double blind review with binary decision Method. The acceptance ratio is **24%**



Figure 1 NCKITS 2018 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 academicians 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.

SESSION ACTIVITIES:

Day 01 15th March 2018

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. E.Bhanu Prasad and Mrs. S. Thirumala Devi. The Chief Guest for this conference was **Sri. N.V Ramana , Director . Prasara Bharathi, Doordarshan Kendra, Vinayawada**. He entered into the seminar hall along with the HOD and Management members.



Figure 2 Registrations



Figure 3 Welcome Banner for Chief Guest

The hosts for the inauguration were Mr.Sudeep and Ms. Sk.Ayesha. The program started with welcome dance by Ms. Vasudha and group. 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 4 Welcome Dance



Figure 5 Lighting of Lamp

It was followed by delivering a few messages by the **Dr. M.Siva Ganga Prasad** Conference Chair, **Dr. Zia UR Rahman** Organizing Chair, **Principal Sir, Secretary Sir, Chairman Sir** and **The Chief Guest**. Later the conference proceedings inaugurated by Chief Guest **Sri. N.V Ramana, Director. Prasara Bharathi, Doordarshan Kendra, Vinayawada.**



Figure 6 Message by Dr. M.Siva Ganga Prasad



Figure 7 Message by Dr. Zia Ur Rahman



Figure 8 Message by Dr. P.Babu, Principal



Figure 9 Message by Sri. K.Shekar, Secretary



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



Figure 11 Message by N.V. Ramana, Chief Guest

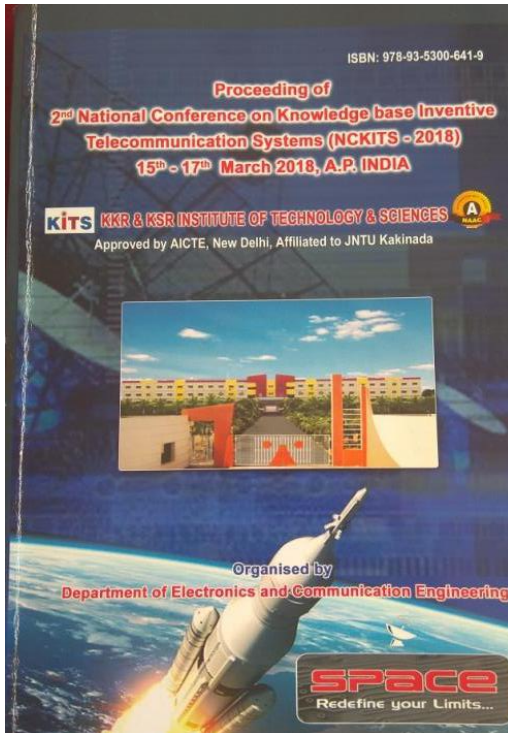


Figure 12 Conference Proceeding Copy



Figure 13 Inauguration of Conference Proceedings

ప్రయోగాలకు పెద్దపీట వేయాలి

ఇంజనీరింగ్ విద్యార్థులకు సూచన

వట్టిచెరుకూరు, మ్యానీటూర్: దేశంలోని ఇంజనీరింగ్ విద్యార్థులు ప్రయోగాలకు పెద్దపీట వేయాలని, క్షేత్ర స్థాయిలో అనుభవం సంపాదించాలి. ప్రయోగాలతో కూడిన వైపులైన ఉన్నవారి కోసం కంప్యూటర్లు, ప్రయోగాలు ఎదురు చూస్తున్నాయని విజయవాడ దూరదర్శన కేంద్రం ఛైర్మన్ ఎంపీ రమణ ఆస్వాదు. ప్రయోగాత్మక జ్ఞానం లేని చదువులు సవరించడం కాలేజీ వర్గాలు ముందంజలోని విజయవాడ కీట్స్ ఇంజనీ

రింగ్ కళాశాలలో గురువారం కంప్యూటర్ సైన్స్ అవ్వ ర్థులలో నాలెడ్జి బేస్డ్ ఇన్ఫోవేటెడ్ టెలికమ్యూనికేషన్ సిస్టమ్స్పై జరిగిన రెండో జాతీయ సదస్సులో ఆయన ముఖ్యఅతిథిగా పాల్గొని పలు సూచనలు చేశారు. చదువుకునే సమయంలోనే పరిశోధనాంశంపై విద్యార్థులు దృష్టి సారించాలని చెప్పారు. పరిశోధనలో కూడిన చదువులు ఉద్యోగ రంగాల్లోనూ ఉపయోగపడతాయని చెప్పారు. జాతీయ, అంతర్జాతీయ జర్నల్స్లో విద్యార్థులు వ్యాసాలు రాయాలని చెప్పారు. వీటిపై ఇతర ప్రయోజనాలు ఉంటాయన్నారు. గ్రామీణ ప్రాంతాలలో మొబైల్ ఫోన్ వినియోగం పెరిగిందని, 80శాతం మంది ఫోన్లు వాడుతున్నారని చెప్పారు. టియో రాకతో ఫోన్ల వినియోగం మరింత వేగమందుతుందన్నారు. ఈ రంగంలో విద్యార్థులు పరిశోధనలు చేసి ఉపాధి కల్పించుకోవచ్చన్నారు. సదస్సులో కీట్స్ వైయ్ కోయి సుబ్బారావు, కార్యదర్శి కోయిశేఖర్, ప్రొఫెసర్ ఓ.బాబు, కంప్యూటర్ సైన్స్ విభాగాధిపతి శివగంగుర్రసామ్, ప్రొఫెసర్ రమణ ప్రసంగించారు.



జ్యోతి వెలిగించి సదస్సు ప్రారంభిస్తున్న దూరదర్శన్ ఛైర్మన్ ఎన్.వి.రమణ

Figure 14 Paper cutting In News Paper

Key note speech:

The Chief Guest, *Sri. N.V Ramana , Director . Prasara Bharathi, Doordarshan Kendra, Vinayawada.* , in his keynote address, Discussed about “**Current Trends in Telecommunications**”. He explained about the invention of Radio, Television, Computer and Wireless technology . He gave clear cut explanation about the types of information which was used in communication. In his lecture he explained Photography Vacuum tubes -1960, Charged couple device (CCD), CMOS (Complementary metal–oxide–semiconductor) and Amorphous Silicon . At the end of the keynote speech he discussed about future technologies like 5G,FIBER EVERYWHERE, Artificial Intelligence, virtualization, vr,ar, everywhere connectivity for IOT & IOE, cognitive networks, big data, cybersecurity, smarter smartphones, connected sensors, network neutrality, internet governance. In the valedictory function, the chief guest honored by the Chairman sir with a Shalv and Memento.



Figure 15 Key Note Speech and Honoring of chief Guest

Session I:

The conference received good response from researchers, academicians and students. In this session 15 papers presented in front of session chair. **Dr.M.Suman, Professor in ECM and Deputy Registrar, KLU** was session chair, **Dr. Dr.M.Vasim babu.** was the Co-session chair for this technical session. Session coordinators were **Mr.K.Mallikarjuna Rao and Mr.P.Ashok**. The paper presented by C.S. Preetham on “Spectrum Sensing in Cognitive Radio by Use of Volume- Based Method” was received good response from the Session chair and participants. After the certificates distribution to the students guest is honored by the Dr. M.Siva Ganga Prasad HOD -ECE.



Figure 16 Session Chair and Co Chair



Figure 17 Presenting A Paper



Figure 18 Mr. E.Bhanu Prasad Receiving Certificate from Chief Guest



Figure 19 Honoring the Chief Guest with Shalv

Day 02 , 16th March 2018

Session 02:

On the second day the conference received good response from researchers, academicians and students. In this session 20 papers presented in front of session chair. **Dr.Shafi Shahsavar Mirza, Professor & H.O.D, Eswar Engineering College** was session chair and **Dr.M.VaseemBabu** 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 A MATLAB Based Face Recognition System Using Eigen face got good response from the audience. After the Certificate distribution the guest was honored by Dr. Zia Ur Rahman.



Figure 20 Dr. Shafi Shahsavar Mirza, Session Chair



Figure 21 student Presenting A paper



Figure 22 Receiving Certificate from Session Chair



Figure 23 Honoring of Session Chair

Session 03:

In this session 20 papers presented in front of session chair. **Dr.Shafi Shahsavar Mirza, Professor and H.O.D, Eswar Engineering College** was session chair, **Dr.Sk.Khamaruddin** was the Co-session chair for the technical session. Session co ordinators were Mrs.S.Tirumala Devi and Ms.T.Revathi. the presentations like “Face Recognition system on Raspberry Pi” ,” Vehicle Tracking and Accident alert system using Arduino” , “ Solar Based Air Compressor for

Inflating Tyres” and “An efficient magnetic resonance brain images classifier using tetrolet transform and kernel support vector machine based on OTSU binarization” were get good response.



Figure 24 Dr.Shafi Shahsavar Mirza, Session Chair



Figure 25 Speech of Session chair



Figure 26 Certificate Distribution



Figure 27 Honoring of Session Chair

Day 03 17th March 2018:

In this session 17 papers presented in front of session chair. **Dr.N.Adinarayana, Professor and HOD, Mallineni College of Engineering** was the session chair, **Prof.C.Aruna Balawas** the Co-session chair for this technical session. Session was co ordinate by **Mr.G. Malyadri and Mr. M.Sudhir**. Few papers like “Detection Of Diseases In Fruits And Vegetables Using Image Processing, Intelligent Car Parking Place Detection System , IoT Based Surveillance Robot Contorlled By Smart Phone etc... are presented in this session. 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. The Vote of Thanks was delivered by **Dr. Md. Zia Ur Rahman** 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 28 Certificate Distribution



Figure 29 HOD Articulating about NCKITS



Figure 30 Honoring of Session Chair



Figure 31 Vote of Thanks by Dr. Md. Zia Ur Rahman

Gallery:





