



# DEPARTMENT OF ELECTRONICS & COMPUTER ENGINEERING NEWSLETTER

Green Fields, Vaddeswaram, Guntur Dist., A. P., 522 502.

Vol. II, Issue 3

Dr M. Suman, HOD-ECM

July-September, 2015

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## Editorial Message

Dear readers, this newsletter covering the period from July 2015 to September, 2015 offers a view of the academic, professional, research and center for extension activities of the Department.

The Department of ECM has organized a workshop on “Recent Trends in Wireless Networks” for the students and faculty by Dr. G. Rama Murthy, Professor, IIIT, Hyderabad.

Web Technologies Research Group organized a Two Day National Workshop on RECENT TRENDS IN BIG DATA ANALYSTICS in association with CSI Koneru Chapter sponsored by Department of Science and Technology (DST), New Delhi on 28<sup>th</sup> and 29<sup>th</sup> August, 2015.

Renowned companies like MUSIGMA, WIPRO, CTS and Infosys conducted recruitment drive in the campus and Selected many students to onboard this year.

The editorial team thanks all its patrons for their support of the newsletter. We welcome suggestions from all our readers who wish to see their ideas incorporated in the subsequent issues.

## Placements:

Company Name	Drive Date	No of Students	Written Test Qualified	Selected
MUSIGMA	23-07-15	79	2	1
WIPRO	01-09-15	167	63	33
INFOSYS	12-09-15	200	47	33
CTS	25-09-15	180	81	23

## WorkShops:

### “Recent Trends in Wireless Networks” - Dr. G. Rama Murthy

On 24-07-2015 at 10.00 AM, the department of ECM has organised a workshop on “Recent Trends in Wireless Networks” for the students and faculty by Dr. G. Rama Murthy, Professor, IIIT, Hyderabad.

He completed his PhD in Computer Engineering in the year 1989, Purdue University, USA with GPA as 5.83/6.0. The workshop is on mostly two topics (A) MOBILE ADHOC NETWORKS (MANETs):



Cellular communication networks require infrastructure such as Base stations for their operation. In applications such as disaster relief, battlefields ( such as mountains ), the infrastructure ( even if it exists ) could get destroyed. Thus, there is increasing need for wireless networks which can be configured on the fly, called MOBILE ADHOC NETWORKS. In this workshop we introduce MANETs and their application, ROUTING algorithms in such networks and also on MAC protocols in MANETs. SECURITY issues ( BLACKHOLE attacks ) in MOBILE ADHOC networks.

recent years COGNITIVE RADIO is proposed as the technology that will alleviate the problem of spectrum scarcity. The basics of Cognitive Radio. ENERGY AWARE ROUTING ALGORITHM in WSNs. The problem of DATA FUSION in WSNs, COMBINED ROUTING, FUSION AND LOCALIZATION. The idea of integrating the WSNs with the internet. Dr. M. Suman - HOD-ECM, Dr. V. Srikanth – HOD-CSE,



**(B) COGNITIVE WIRELESS SENSOR NETWORKS ( WSNs ): CYBER PHYSICAL SYSTEMS**

WSNs are predicted to be one among the TEN technologies that will change the world. In the

Dr. T. Anuradha - Alternate Head- ECM, Convenor Dr. G.Vijay Kumar, Co-Convenor Dr. Shakeel Ahamad, faculty of ECM and faculty of CSE, III year and IV year B.Tech [ECM, CSE, ECE] students had attended the workshop. ❖

# DST Sponsored National Workshop on “Recent trends in BIG DATA ANALYTICS”

28<sup>th</sup> & 29<sup>th</sup> August, 2015

**Organized by: Web Technologies Research Group & Department of Electronics and Computer Engineering**

The Department of Electronics and Computer Engineering of K L University has organized a two day National workshop on Recent Trends in BIG

DATA ANALYSTICS in association with CSI Koneru Chapter sponsored by Department of Science and Technology (DST), New Delhi on 28<sup>th</sup> and 29<sup>th</sup> August, 2015.

Inauguration started at 10.00 am on 28<sup>th</sup> August, 2015. Honourable Chancellor of the University Dr. M. Rama Murthy, Vice chancellor- Dr. L. S. S. Reddy, Principal- Dr. A. Anand Kumar, Dean (R&D)- Dr. K. L. Narayana, Workshop Chairman & HOD-ECM Dr. M. Suman, Convener Dr. D. Aruna Kumari and Co-convener Dr. T. Anuradha have inaugurated the workshop. Faculty, Research Scholars and students from **5 different states** ( Maharashtra, Madhya pradesh, Karnataka, Tamil nadu and Telangana ) have attended this workshop.

registering to this workshop. Chancellor Dr. Ram Murthy in his Key Note address expressed that Big data Analytics can be linked to different research domains.



Vice Chancellor Dr. L. S. S. Reddy told that there are huge opportunities in the area of Big data Analytics and hence K L University has started



PG program in Big data Analytics.

KLU college of Engineering Principal Dr. A. Anand Kumar congratulated all the Organizers for conducting the event .



Dean R&D Dr. K. L. Narayana thanked DST for sponsoring this workshop and he also told that, there were so many other events conducted in KLU sponsored by DST.

Total registrations for this workshop were 330 among which 50 were faculty, 20 were research scholars and 260 were graduate & post graduate students from different engineering colleges.

Convener Dr. D. Aruna Kumari welcomed all the dignitaries, resource persons and participants. In her welcome speech, she told that as per the market statistics BIG DATA is going to create billions of job opportunities for the engineers in the industry in INDIA and abroad. So, all the participants can be benefited from this workshop.



Chairman Dr. M. Suman congratulated all the participants for



Mr. Patan H Khan, Mr. Surya Kiran Puvvada, Mr. Bharath Kumar, Mr. Sanjay and Mr. Kiran from IBM emphasized the importance and need of the Big Data Analytics in the present IT industry and said that workshops of this nature are very useful in making the students Industry ready.



Mr. Patan H Khan



Mr. Surya Kiran P



Finally Co-Convener Dr. T. Anuradha delivered vote of thanks.

Highlights of the workshop are representation of Big Data, applications of Big

Data, Big Data Architecture. Participants learned installation of Hadoop, programming with Hadoop and Open era. And the Feedback given by the participants was absolutely very good they are well satisfied and mainly they procured more practical knowledge than the theoretical knowledge.



Students Participating in Big data Workshop at Peacock Hall

Programme ended with felicitation to the resource persons by Chairman, Convener and Co-convener.



Memento presentation to Mr.Patan H Khan

Memento presentation to Mr.Surya Kiran P



Memento presentation to Mr.Bharath Kumar

Memento presentation to Mr.Kiran



Memento presentation to Mr.Sanjay

Memento presentation to Mr.Sudheer



Faculty of ECM with Resource Persons from IBM

## కేవలీయూలో వర్క్ షాప్ ప్రారంభం

**ఆదేశపత్రి:** నాక్షి e-paper

కుండవూరు, వైఎస్ఆర్ లో డాక్టర్ ఎల్ ఎస్ఎస్ రెడ్డి మాట్లాడుతూ, బిగ్ డేటా ఎనలటిక్స్ విభాగంలో ఉపాధి అవకాశాలు ముందుగా ఉన్నాయని, యూనివర్సిటీలో ఎమెంట్ కోర్సు ప్రారంభించామన్నారు. బిగ్ డేటా హైడ్రారాఫ్ట్ సుంపి పబ్లికస్ లిసోర్స్ పబ్లికస్ పబ్లికస్ షాన్ షాన్, పువ్వాడ సూర్యకేరణ్, భ్రమశి వణి రంగంలో బిగ్ డేటా ఎనలటిక్స్ ప్రాముఖ్యతను వివరించారు. కేవలీయూ ప్రెసిడెంట్ కె.వత్సవారా యణ, వైస్ చైర్మెంట్ కె.రాజాచారిన్, కె.ఎత్తవారిపేటి వర్క్ షాప్ కన్వీనర్ డాక్టర్ అరుణకుమారి, ఈసీఎమ్ డి.పార్వతి వెంకట అద్వానీకులను అభినందించారు. శాస్త్రవేత్తలలో ప్రీస్మిథాన్ డాక్టర్ ఎ.అనిందకుమార్, డిన్ ఆర్.డి. డాక్టర్ కె.ఎల్ నారాయణ, వర్క్ షాప్ ప్రెజిడెంట్ డాక్టర్ ఎమ్.సుమన్, కన్వీనర్ డాక్టర్ డి. అరుణకుమారి, కో కన్వీనర్ డా. బి.అనురాధ పాల్గొన్నారు. డి. రాష్ట్రాల సుంపి పబ్లికస్ అధ్యాపకులు, విద్యార్థులు రిసర్చ్ పాల్గొని ఈ వర్క్ షాప్ లో పాల్గొన్నారు.

New Clippings From Sakshi an Eenadu papers

## లీసెంట్ బిగ్ డేటా ఎనలసిస్ పై కార్యశాల



వర్క్ షాప్ లో పాల్గొన్న కులపతి డాక్టర్ రామమూర్తి, ఉపకులపతి డాక్టర్ ఎల్ ఎస్ ఎస్ రెడ్డి

**వడ్డేశ్వరం(ఆదేశపత్రి):** కోనేరు లక్ష్యయ్య విశ్వవిద్యాలయంలో రెండు రోజులపాటు సైన్స్ అండ్ టెక్నాలజీ విభాగం నిర్వహిస్తున్న వర్క్ షాప్ శుక్రవారం ప్రారంభమైంది. విశ్వవిద్యాలయ కులపతి డాక్టర్ రామమూర్తి, ఉపకులపతి డాక్టర్ ఎల్ ఎస్ ఎస్ రెడ్డి, ప్రీన్సిపల్ ఆనందకుమార్, ప్రొఫెసర్లు నారాయణ, సుమన్, అరుణకుమారి, అనురాధ పాల్గొన్నారు.

News Clipping from EENADU news Paper ❖



**A Teacher's purpose is not create students in his own image but to develop student who can create their own image**

## Guest Lecture's

# Guest Lecture on DIGITAL FORENSICS



The DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING (ECM)

K.L.University, Vaddeswaram organized a guest lecture on “Digital Forensics” during 20-8-2015 for IV/ IV B.Tech Students of ECM. The resource person Mr. M. Nityanand is an Information Security Consultant, and also CEO and CTO for Entersoft IT Solutions Pvt Ltd,Hyderabad.

about Information Security and digital forensics are very much essential to bring awareness among the users.

Student participation in the guest lecture He further told that India needs at least 5 lakhs Digital Forensics Professionals to stop cyber crimes and to solve cyber crime cases in corporate and individual. He also advised the students that, in order to become best Digital Forensics Investigator or Cyber Forensics Examiner they should have and improve knowledge first in device hardware, operating systems and Network. After that they have to do specialized courses like computer hacking, Forensics Investigation, Forensics Examiner or a master degree in digital forensics. Dr.T.Anuradha ,Alternate -HOD & Dr.K.Srinivasa ravi Guest Lecture I/C felicitated the resource person with a memento. ❖



Mr.Nityanand delivering a guest lecture on “Digital Forensics” He told that because of the today's digitization of the world, everything is in our hands. From computer to mobile we are using internet widely without any security and attacks knowledge. Due to over flexibility and ease of use with technology, we are only looking at features and fun. But, we need to have little bit awareness about possible threats against our devices. He emphasized that, these type seminars



Felicitating the Resource Person



# Guest Lecture on INTELLIGENT ROBOTIC SYSTEMS

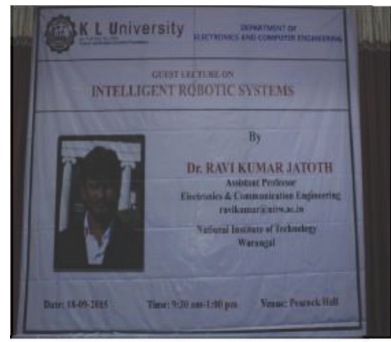
The DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING (ECM) K.L.University, Vaddeswaram organized an expert lecture on INTELLIGENT ROBOTIC SYSTEMS on 18-9-2015. The resource person Dr. J Ravi Kumar, NIT Warangal told that, there are lot of opportunities for electronics engineers in fields of VLSI, Embedded

Systems, Networking and Signal processing and how a student can select a particular company for the carrier. He further explained the students that the microcontrollers play an important role in making the robots intelligent, and hence the students must understand the functionality and programming of the



microcontrollers. He also demonstrated the students on programming of the different types of robots with AVR microcontrollers.

Dr. M.Suman, HOD-ECM department, Dr. K.Sreenivasa Ravi Professor & Program Coordinator and faculty of ECM attended the guest lecture and Honorable Chancellor of the University Dr. M.Rama Murthy, Vice chancellor- Dr. L.S.S. Reddy, Pro-Vice chancellor Dr. A.V.S. Prasad, Principal- Dr. Anand Kumar, Dean (R&D)- Dr. K. L. Narayana garu, Dean Student Affairs, Dr. Habibullah Khan, Dean Academic Prof. N. Venkatram conveyed their best wishes. ❖



## Student Association Activities

### “Job opportunities in the field of Electronics and Computers “conducted under Student Association “ESSENCE”

**Date:** 18-8-15

**Venue:** C-525

An awareness program on “Job opportunities in the field of Electronics and Computers” was conducted for the students of III/IV B.Tech and II/IV B.Tech ECM Students under student association “ESSENCE”, on 18-8-15 at C-525 between 3:20 to 5:00 PM. Total 34 Students had attended the awareness program. The program aim is to motivate the students in the core area of Electronics and Computers



Students actively participating in the awareness program

Mr M.Venkateswara Rao, Assistant Professor Dept of ECM, highlighted the opportunities in the field of Electronics, Embedded Systems, VLSI, Image Processing and Communication, how to face technical

interviews and also motivated them for opting a career through GATE, IES, GRE, TOEFL and M.S Programs abroad. ❖

## IDEA PRESENTATION CONDUCTED UNDER STUDENT ASSOCIATION “ESSENCE”

**Date:** 19-8-15

**Venue:** C-525

A Idea Presentation was conducted for B.Tech students under student association “ESSENCE”, on 19-8-15 at C-525 between 3:20 to 5:00 PM.

Students actively participating in the Idea Presentation Total 42 Students actively participated in the competition. The aim of this idea presentation is to bring the innovative ideas of the students which are useful to the society Participants are presented



ideas on Women Safety, Protecting house from thief, Information sharing, Design a website which consists of research article around the globe and Road side assistance for vehicles. ❖

## SEMINAR

### A SEMINAR ON CAREER IN GERMANY

Organized by  
 Department of Electronics and Computer Engineering  
 In association with IETE-KLUSF

Date: 27<sup>th</sup> August, 2015      Venue: Room No. E207

The Department of Electronics and Computer Engineering organized a 'Career Guidance Seminar' in the interest of IVI/IV B.Tech students of ECM. The department invited Indra Praveen Sandrala, Researcher at German Research Center for Artificial Intelligence (DFKI). Mr. Indra Praveen completed his Master of Science (M.Sc.), Computer Science, from Universität des Saarlandes ,Saarbrücken Area, Germany. He is now currently working as a Researcher at Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) ,Saarbrücken Area, Germany. His current research focus is on Artificial Intelligence, Robot Companions and Smartpens for Improved Social Communication.

do research in Germany, how to apply for colleges, tips to make a choice, and about the scholarship programmes. Mr. Indra Praveen visualised the life in germany.

The various master programmes offered by German Universities to the students were informed. The students were also informed the mode of contact to the University and source for further information. ❖



Student's participation in the Career In Germany Programme



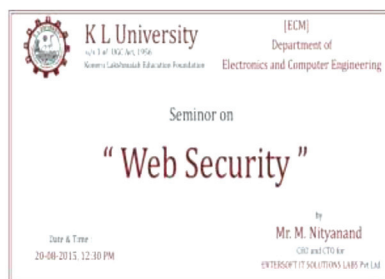
## SEMINAR

### SUBJECT BASED SEMINAR ON WEB SECURITY

The DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING (ECM) K L University, Vaddeswaram organized a subject based seminar on 'Web Security' during 20-8-2015 for the faculty of ECM & CSE departments. The resource person is Mr. M. Nityanand, CTO of Entersoft IT Solutions Pvt Ltd, Hyderabad.



Mr. Indra Praveen from German Research Center for Artificial Intelligence (DFKI) addressing the students  
 The seminar was attended by students of IV/IV B.Tech ECM. Mr. Indra Kiran took the students to a virtual tour to Germany by detailing about the life in Germany, lifestyle, language, culture, their hospitality, and opportunities. The lifestyle and culture of a place attracts people towards it. By knowing, about German Free Education it is likely that students get interested in studying in Germany. Mr. Indra Praveen also briefed the benefits and facilities provided to the students to



Mr.Nityananad demonstrating the tools related to data security

Mr.Nityanand elaborated the process of web site hacking techniques and the process involved in detecting hacking attacks. He demonstrated various methods for discovering data that resides in a computer system, or recovering deleted, encrypted, or damaged file information.

He also stated that Web sites are unfortunately prone to security risks. And so are any networks to which web servers are connected. Setting aside risks created by employee use or misuse of network resources, your web server and the site it hosts present most serious sources of security risk. Web servers by design open a window between your network and the world. The care taken with server maintenance, web application updates and web site coding will define the size of that window, limit the kind of information that can pass through it and thus establish the degree of web security you will have.



Faculty discussing with Mr. Nityanand on Curriculum design and Tools to be used in Lab

He had interacted with the faculty of ECM and had given suggestions in curriculum design and the tools to be loaded in ECM lab to get hands on experience in implementing security. He also expressed his support in having an MOU with entersoft labs. ❖

## Women's Forum Health Awareness Programme

*Conducted by*

*ECM Women's forum on 18<sup>th</sup> August, 2015*

KLU ECM Women's forum conducted "HEALTH AWARENESS PROGRAMME" for the Girl students on 18th August 2015.

Topic : Obesity and its effects on Women's Health



The Programme started with a welcome note by Dr. D Aruna Kumari, Professor Department of ECM. She introduced the resource person to the gathering. Dr. Kiranmai gave a power point presentation on the topic of "Obesity and its effects on Women's Health".

Dr. Kiranmai discussed about different girls related health problems like Obesity, Infertility. She said as the girls are future mothers they need to maintain the balance between food and activity. Otherwise it may cause hormonal imbalance which can lead to infertility.



She emphasized that obesity, acne and pigmentation problems should be properly diagnosed. She said that, if these problems are due to PCOS, then medical treatment alone can solve these issues.

All participants appreciated the programme. They said that they have realized the importance of Diet care for preventing obesity and different symptoms for girls related health problems . There was an interactive session at the end where the girls raised many doubts which are clarified by Dr. Kiranmai.

Dr. T Anuradha, Professor and Alternate HOD of ECM felicitated the Guest with a shawl and presented a memento. Finally vote of thanks was given by Mrs. P S G Arunasri I/C- ECM Women's Forum. ❖



## Essay Writing Competition

KLU ECM Women's forum conducted "Essay Writing Competition" for the Girl students on 15<sup>th</sup> September 2015.

Topic : Role of Women in Science and Engineering

An Essay Writing competition was conducted by Department of ECM on Occasion of Engineers Day on 15 September 2015 on the topic of Role of Women in Science and Engineering. ECM Women's forum incharge Mrs P.S.G.Aruna Sri, Associate Professor has organized this event and girls from different disciplines of KLU has participated in the event.

Out of 16 essays two were selected for First and Second prizes. B.K Taneesha of II year B.Com honors secured first and Lingam Amrutha of II year CSE secured second prize. They were given cash prizes Rs. 500/- and Rs. 300/- respectively along with certificates. Certificate presentation was done by HOD of ECM, Dr. M. Suman.



The papers were evaluated by Mrs. N.V Siva Kumari, Assistant Professor, Department of English., KLU. She was felicitated by HOD, Dr.M.Suman and alternate HOD, Dr.T.Anuradha. ❖

**Better than a thousand  
days of delights Study  
is one day with a great  
teacher.**

## Faculty Publications:

1. MD. ALI HUSSAIN published a paper "DEPLOYMENT OF MOBILE ADHOC NETWORK TICKET BASED QOS ROUTING PROTOCOL FOR HEALTH CARE" in Scopus indexed IndJST with ISSNNo 0974-5645 Volume No:8 IssueNo:15, July 2015
2. M. Suman published a paper "AN EFFICIENT ANALYSIS OF NORMALIZED HISTOGRAM BASED IMAGE RETRIEVAL USING DISTANCE METRICS" in Scopus indexed IJAER with ISSNNo 0973-4562 Volume No. 10, IssueNo. 9, August, 2015.
3. K. RAGHAVA RAO published a paper "REAL TIME DOMESTIC POWER CONSUMPTION MONITORING USING WIRELESS SENSOR NETWORKS" in Scopus indexed IJECE with ISSN No. 2088-8708, Volume No. 5, IssueNo. 4, August, 2015.
4. K.SRINIVASA RAVI published a paper "COMPARITIVE ASSESSMENT ON RAMP AND BIAS VOLTAGE VARIATIONS OF CLOSED LOOP INTERFEROMETRIC FIBER OPTIC GYROSCOPE" in Scopus indexed IndJST with ISSNNo 0974-5645 Volume No. 8, IssueNo. 18, August, 2015.
5. K.RAGHAVA RAO published a paper "WIRELESS MOTE BASED EXPLOSIVE DETECTION LAND ROVER USING EC SENSOR" in Scopus indexed IJECE with ISSNNo. 2088-8708 Volume No: 5, IssueNo. 5 , August, 2015
6. J K R SASTRY published a paper "BULIDING HETEROGENOUS DISTRIBUTED EMBEDDED SYSTEMS THROUGH RS-485 COMMUNICATION PROTOCOL" in Scopus indexed ARPN-JEAS with ISSNNo 1819-6608 Volume No: 10 IssueNo: 16, September2015

## Faculty Conferences:

1. DR. M. SUMAN presented a paper "ANALYSIS OF PERFORMANCE OF MULTICORE EMBEDDED WIRELESS SENSOR NETWORKS" in National Conference NCAESSN, July 2015.
2. M.VENKATESWARA RAO presented a paper "Online verification of signature using embedded systems" in National Conference NCAESSN, July 2015.
3. DR. K. SREENIVASA RAVI presented a paper "SURVEILLANCE IN TURMERIC PLANTATION USING WSN" in National

## Student Conferences:

1. SK ABDUL WAJID presented a paper "Continuous Traffic Accident Detection System utilizing Wireless Sensor Network and GPS" in National Conference NCAESSN, July, 2015.
2. Y. KRUPA BAHULYA presented a paper "A novel robust localization algorithm based on K-means clustering in WSN" in National Conference NCAESSN, July, 2015.
3. V.SAI PRASANNA presented a paper "SIDE VIEW VEHICLE DETECTION METHOD USING IMAGE PROCESSING" in National Conference NCAESSN, July, 2015.
4. NARAYANAM SRI PRAKASH presented a paper "AN SCHREWD APPROACH OF WATER MARKING TECHNOLOGY IN TELE-MEDICINE APPLICATIONS USING DWT-BAT ALGORITHM" in National Conference NCAESSN, July, 2015.
5. T. CHANDRA SEKHAR presented a paper "HARDWARE AND SOFTWARE CO-DESIGN ISSUES IN H.264 DECODER" in National Conference NCAESSN, July, 2015.
6. M. JAGADISWARA RAO presented a paper "Self-Recharging Battery System for Home Guard Robots" in National Conference NCAESSN, July, 2015.
7. G. SARATH CHANDRA presented a paper "DESIGNING AN INTELLIGENT HEALTH MONITORING SYSTEM" in National Conference NCAESSN, July, 2015.
8. D. HEMA presented a paper "ANALYSIS ON PERFORMANCE OF MULTICORE EMBEDDED WIRELESS SENSOR NETWORKS" in National Conference NCAESSN, July, 2015.
9. PRATHIPATI MAMATHA presented a paper "MEDICAL IMAGE WATERMARKING USING LWT-SVD TECHNIQUE" in National Conference NCAESSN, July, 2015.
10. M. CHAKRAVARTHI presented a paper "NVRAM Disk to reduce Embedded Linux system Startup latency using Execute In Place (XIP) Method" in National Conference NCAESSN, July, 2015.
11. Venkata Sowmya Kambhampati presented a paper "PROTECTION OF SOC DEVICES FROM SIDE-CHANNEL ATTACKS" in National Conference NCAESSN, July, 2015.
12. V. V. Murali Krishna presented a paper "EFFICIENT USAGE OF MEMORIES IN MP-SOC" in National Conference NCAESSN, July, 2015.
13. Bodapati Sushma presented a paper "ANONYMOUS DATA SHARING BETWEEN PRIVATE USERS" in National Conference NCAESSN, July, 2015.
14. K. Bhanu Prakash Reddy presented a paper "A survey on elliptic curve cryptography" in National Conference NCAESSN, July, 2015.
15. Gaddam Sarath chandu presented a paper "Development of a smart city using openmtc platform" in National Conference NCAESSN, July, 2015.
16. Tirumaniseti Pavithra presented a paper "ANALYSIS ON IMPROVING THE PERFORMANCE OF NETWORK ON CHIP IN SYSTEM ON CHIP" in National Conference NCAESSN, July, 2015.
17. Atmuri Vennela Priyadarshni presented a paper "FAULT FINDING IN WIRELESS DATA TRANSMISSION IN MONITORING AND CONTROL OF HEAVY INDUSTRIAL MACHINERY" in National Conference NCAESSN, July, 2015.
18. K.RamaKrishna presented a paper "DEVELOPING A DRIVER DROWSINESS AND ALCOHOLIC INTOXICATION IDENTIFICATION ON REAL TIME" in National Conference NCAESSN, July, 2015.
19. M. V. Saisujitha presented a paper "PERFORMANCE OF THE RSS IN MOBILE POSITIONING BY USING RECURSIVE LEAST SQUARE" in National Conference NCAESSN, July, 2015.
20. Davala. Bhavana presented a paper "MOBILE ROBOTS FOR SEARCH AND RESCUE" in National Conference NCAESSN, July, 2015.
21. Gumpena Chakravarthy presented a paper "PATIENT HEALTH MONITORING USING SENSOR'S ON OPEN-MTC PLATFORM" in National Conference NCAESSN, July, 2015.
22. CH. Lakshmi Manoja presented a paper "ROBUST AND ECONOMICAL TECHNIQUE TO EXTRACT ROADS FROM SATELLITE PICTURES" in National Conference NCAESSN, July, 2015.
23. Shaik. Nazma presented a paper "HANDLING LOCK HOLDER PREEMPTION FOR COEXISTING GPOS&RTOS ON EMBEDDED VIRTUALIZATION LAYER" in National Conference NCAESSN, July, 2015.

24. Juvvalapalem Sumadeep presented a paper "AN SHREWD APPROACH TO IMPROVE THE ACOMPLISHMENT OF LINEAR ALGEBRA CORES" in National Conference NCAESSN, July, 2015.
25. N. Sai Sahitya presented a paper "IMPLEMENTATION OF FIXED POINT THEORY ON IMAGE SCHEMES" in National Conference NCAESSN, July, 2015.
26. Kona Gowthami presented a paper "A NOVEL SYSTEM TO PROVIDE CAB SAFETY FOR WOMEN AND IMPLEMENTING WITH INTERNET OF THINGS" in National Conference NCAESSN, July, 2015.
27. S. Anusha presented a paper "DEVELOPMENT OF SMALL WIRELESS SENSOR NETWORK FOR WATER MANAGEMENT USING XBee BASED TECHNOLOGY" in National Conference NCAESSN, July, 2015.
28. P. Jasmeen Begum presented a paper "EMBEDDED DEVICE AS A SERVICE: NEW PARADIGM IN CLOUD COMPUTING" in National Conference NCAESSN, July, 2015.
29. Rontala. Pavani presented a paper "A Security to vehicles using Smartphone Networks" in National Conference NCAESSN, July, 2015.
30. MULLAPUDI SAI SARATH CHANDRA presented a paper "GIS Standards and RESTful Web services for facilitating Agile access to Wireless Sensor Networks" in National Conference NCAESSN, July, 2015.
31. PANDULA CHANDRA MOULI presented a paper "Retinal imaging of adaptive optics" in National Conference NCAESSN, July, 2015.
32. BODDU KIRAN MAYI presented a paper "Implementation of VLSI architecture for fault secure encoder and decoder for memory applications" in National Conference NCAESSN, July, 2015.
33. VANKAYALAPATI SAHITI presented a paper "ENERGY HARVESTING SYSTEM USING EFFICIENT MEMS BASED TECHNOLOGY WITH TRI-COUPLED CANTILEVERS" in National Conference NCAESSN, July, 2015.
34. MACHUPALLI SAMARA SIMHA REDDY presented a paper "Hardware Implementation of Digital WM Technique with Xilinx EDK" in National Conference NCAESSN, July, 2015.
35. Gubbala Sirish presented a paper "Implementation of RESTful Web Services for Wireless Sensor Networks" in National Conference NCAESSN, July, 2015.
36. CH KEERTHI presented a paper "health monitoring of diverse using under water wireless communication" in National Conference NCAESSN, July, 2015.
37. GSSRAVANI presented a paper "ZIGBEE BASED GUIDED ROBOT FOR TARGET DETECTION" in National Conference NCAESSN, July, 2015.
38. A. SETHU MADHAVAN presented a paper "WIRELESS SENSOR NETWORKS FOR SAFETY IN MINING SERVICES" in National Conference NCAESSN, July, 2015.
39. G. RAGHU KIRAN presented a paper "AN EFFICIENT LOW POWER TRANSMISSION OVER LONG RANGE IN WIRELESS SENSOR NETWORKS" in National Conference NCAESSN, July, 2015.
40. B. RAMA SWATHI presented a paper "TREE ROUTING IN ZIGBEE WIRELESS NETWORKS" in National Conference NCAESSN, July, 2015.
41. V. MOUNIKA REDDY presented a paper "DESIGNING A LTE BASED COMMUNICATION MODULE FOR A GUIDED VEHICLE" in National Conference NCAESSN, July, 2015.
42. P. HARI BABU presented a paper "AN ANDROID BASED ONFIELD EMPLOYEE MONITORING SYSTEM AND DATA STORAGE USING LABVIEW" in National Conference NCAESSN, July, 2015.
43. K. DIVYA presented a paper "DOOR LOCKING AUTHENTICATION SYSTEM WITH MULTIPLE DEVICES WITH GSM COMMUNICATION" in National Conference NCAESSN, July, 2015.
44. A. ANUSHA presented a paper "IMPLEMENTATION OF USB TO USB FOR COMPUTER INDEPENDENT DATA TRANSFER" in National Conference NCAESSN, July, 2015.
45. G. BHAVYA presented a paper "INTELLIGENT PUBLIC TRANSPORT MANAGEMENT SYSTEM USING EMBEDDED TECHNOLOGY" in National Conference NCAESSN, July, 2015.
46. V.MUNI KUMAR REDDY presented a paper "UNDER WATER ACOUSTIC SENSOR NETWORKS RESEARCH CHALLENGES AND TECHNOLOGY" in National Conference NCAESSN, July, 2015.
47. G. HARISH BABU presented a paper "SIMULINK MODEL IMPLEMENTATION OF OPEN LOOP AND CLOSED LOOP IFOG" in National

Conference NCAESSN, July, 2015.

48. T. SIREESHA presented a paper "COMPARATIVE ASSESSMENT ON RAMP AND BIAS VOLTAGE VARIATIONS OF CLOSED LOOP INTERFEROMETRIC FIBER OPTIC GYROSCOPE" in National Conference NCAESSN, July, 2015.
49. P. SAI LAVANYA presented a paper "UNFLINCHING GLOVES FOR SELF SECURITY MEASURES" in National Conference NCAESSN, July, 2015.
50. SHAIK ZAHID ALI presented a paper "ADVANCED FAULT DETECTION SYSTEM FOR ELDERLY PERSON USING 3-AXIS ACCELEROMETER" in National Conference NCAESSN, July, 2015.
51. S. BHARATH TEJA presented a paper "BREAK FAILURE CONTROLLING USING GSM MODEM AND ALCOHOLIC DETECTION" in National Conference NCAESSN, July, 2015.
52. B. VISHNU presented a paper "INTERNET OF THINGS-SMART PHONE USING RSAPBERRY PI" in National Conference NCAESSN, July, 2015.
53. A. V ANUSHYA presented a paper "HYBRID REGION ADAPTIVE DUAL IMAGE WATERMARKING TECHNIQUE FOR COLOR IMAGES" in National Conference NCAESSN, July, 2015.
54. T. SIREESHA presented a paper "DESIGN OF AN AUTONOMOUS VEHICLE FOR PRECISION AGRICULTURE USING SENSOR TECHNOLOGY" in National Conference NCAESSN, July, 2015.
55. CH. NAVEEN KUMAR presented a paper "DESIGN OF A RF TRANSMITTER AND RECIEVER FOR A GUIDED VEHICLE" in National Conference NCAESSN, July, 2015.
56. K. CHARMILA presented a paper "HUMAN ENCROACHMENT PERCEPTION IN LIGHT OF REMOTE CORRESPONDENCES" in National Conference NCAESSN, July, 2015.
57. P. LAKSHMI PALLAVI presented a paper "IMPLEMENTATION OF HEART BEAT PER MINUTE RATE" in National Conference NCAESSN, July, 2015.
58. B. INDIRAPRIYADARSINI presented a paper "COLLISION AVOIDANCE OF TRAINS BY USING ARM 7" in National Conference NCAESSN, July, 2015.
59. A NAGA SIRISHA presented a paper "A ROBUST WIRELESS SENSOR NETWORK FOR DISASTER COMMUNICATION" in National Conference NCAESSN, July, 2015.
60. G. BINDU BHARGAVI presented a paper "AN ENEERY EFFICIENT ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS" in National Conference NCAESSN, July, 2015.

## Faculty Achievements:



**Dr. D. Aruna Kumari** Assoc. Professor, Department of Electronics & Computer Engineering recieved Young Scientist Research Grant from DST-SERB Worth 35,78000 /- during July, 2015.

**Dr.Md.Ali Hussain** Assoc. Professor, Department of Electronics & Computer Engineering recieved "Young Faculty Award 2015" from Venus International Foundation (VIFFA-2015) on 5<sup>th</sup> July, 2015 at Radha Regent, Chennai.



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*Thank You*



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