

***ELECTRONICS &
COMMUNICATION ENGINEERING***

CAMPUS PULSE

NEWS LETTER



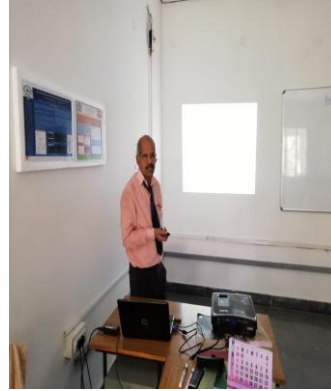
2018-19 Issue 2 (Dec-Mar)



**LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING
MYLAVARAM**

Research Colloquium on 01-12-2018

1. Dr. E.V. KrishnaRao had given a presentation on “ Applications of Artificial Intelligence” . In the presentation, the social applications and signal processing applications using Machine Learning and Artificial intelligence are discussed.
2. Dr.G.Srinivasa Rao had given a presentation on “ CPHC based Micro-Aneurysms Detection”. In the presentation, how to detect eye disease using Image processing is discussed. The CPHC algorithm for detection of eye disease detection is highlighted.



Dr. E.V. Krishna Rao



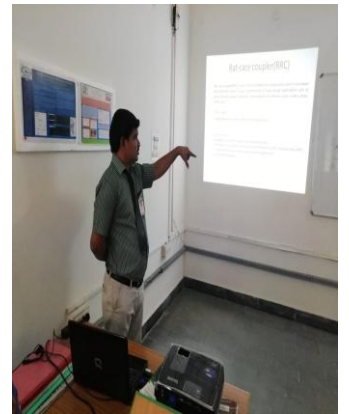
Dr. G. Srinivasa Rao

Research Colloquium on 14-12-2018

1. Dr. Y.S.V. Raman had given a presentation on “Challenges in 5G “. In the presentation, the importance of 5G in Urban and Rural areas is discussed. The requirements for implementation of 5G in Urban areas is highlighted.
2. Mr.V.Ravi Sekhar Reddy had given a presentation on “Design of Microwave passivedevicesfor wireless communication” .In the presentation, the characteristics of Rat race coupler is discussed and the new wide band Rat Race coupler design for wide band is proposed



Dr.Y.S.V.Raman



Mr.V. Ravi Sekhar

Research Colloquium on 24-12-2018

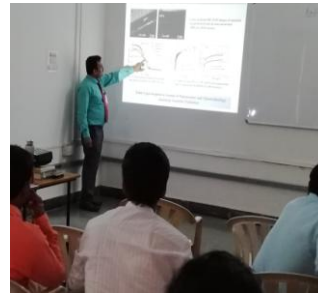
1. Dr. Y.Amar Babu had given a presentation on “ Machine Learning on FPGA” . In the presentation, different machine learning algorithms are discussed. In the presentation the need of FPGA in implementation of Machine Learning algorithms are discussed.
2. Dr.S.V. Jagadeesh Chandra had given a presentation on “ Role of Carbon Nanotubes in Micro and Nano Electronics”. In the presentation, the role of carbon Nano tubes in MOS transistor is discussed. And Institute collaborations with foreign universities are discussed.
3. Dr.P. Lachi Reddy had given a presentation on “Design issues in Hardware and software co-Design”. In the presentation programmable hardwares are discussed and Application specific designs are highlighted



Dr.Y. Amar Babu



Dr.P.Lachi Reddy



Dr.S.V. Jagadish Chandra

Research Colloquium on 28-12-2018

1. Dr. G. L. N. Murthy had given a presentation on “ Back Ground Subtraction” . In the presentation, the video processing of frames using Background subtraction from frames is discussed.
2. Mr.V.V.Rama Krishna had given a presentation on “A survey on Multicore DSPs”. In the presentation the architecture of DSP is discussed and Pipelining , MAC units are discussed.



Dr.G.L.N. Murthy



Mr.V.V. Rama Krishna



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(AUTONOMOUS)

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L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING

REPORT ON EVENT DIGITAL SIGNAL PROCESSORS, EMBEDDED SYSTEM DESIGN AND IOT

Event Type : Faculty Development Programme

Date / Duration : 11th-15th February, 2019

Resource Person : 1 Mohan H M, Sr Engineer, Digital Shark, Bangalore
: 2. Shivaraj Kumar HC, Sr Engineer, Digital Shark,
Bangalore

Name of Coordinator : Dr G.Srinivasa Rao, Professor

Target Audience : ECE, EEE and EIE Faculty.

Total no of Participants: (43 & 52)

Objective of the event: To train the faculty on advanced TMS320C6748 Processor,

Outcome of event : The participant able to implement advance experiment on
1. TMS320C6748 LCD kit using code composer studio in audio
processing, image Processing and Video processing.
2. TIVA C series TM4C123GXL launch pad using Energia
software.
3. IOT TIVA/Msp430 and wifi cc3100 boards using Energia
software.

Description / Report on Event:

In the five day programme the 1st day morning is planned for IOT TIVA/Msp430 and wifi cc3100 boards using Energia software and in the afternoon session hands on session is conducted with some practical, the second day morning is planned for embedded systems TIVA C series TM4C123GXL launch pad using Energia software and afternoon session is plan for hands on session. The 3rd day morning session is planned on TMS320C6748 LCD kit using code composer studio. The 4th and 5th days are completely on real time application on audio processing, image Processing and Video processing.

Feedback / Suggestions: 1.VLSI with Signal processing application is requested.
2. More number of applications on speech is requested.
3. Good hospitality.
4. Workshop for real time application using TMS320C6748
LCD Kit are requested.

Photographs :



Addressing by Principal Dr. Kappa Rao



Addressing by HOD & Convener Dr. Y Amar Babu



Addressing by Coordinator Dr. G Srinavasa Rao



Addressing by Chief Guest Mr. K Ramesh Naidu, MD, Annav Volt, Hvd



Lab Sessions



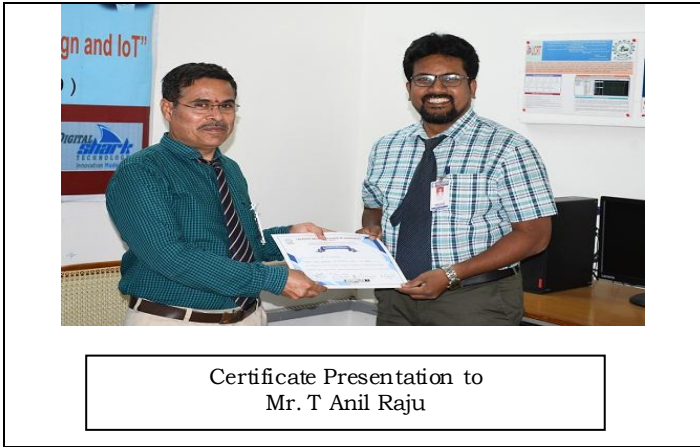
Certificate Presentation to Mr B Pulla Rao, HTS, Hyderabad



Certificate Presentation to Ms. Vemi Reddy Kavya



Certificate Presentation to Mr. M K Linga Murthy



Certificate Presentation to Mr. T Anil Raju



Group Photo with Participants

Press Clippings



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(Autonomous & Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi) **L B**
Reddy Nagar, Mylavaram-521 230, Krishna District, Andhra Pradesh

REPORT ON INDUSTRIAL VISIT

Event Type : Industrial visit
Date / Duration : 20-02-2019
Place of visit : **SDSC SHAR CENTER,SRIHARIKOTA.**
Name of Coordinators : K.RANIRUDRAMA, Assoc. Prof, B.S.HARI PRASAD Sr.Assist.Prof.
Target Audience : VI-SEM , ECE STUDENTS
Objective of the event : TO VISIT SATELLITE LAUNCH PADS,MACHINE CONTROL CENTER
Outcome of event : EXPOSURE TO COMMUNICATION SYSTEMS USED IN SATELLITE LAUNCHING

- 1 .Received a request letter from the students for arranging industrial tour.
2. Applied to the industry for getting permission.
3. Permission Granted from the industry to visit.
4. Submitted the details to the principal for sanctioning permission.
5. Arranged three buses separately for both boys and girls along with faculty in charges by collecting undertaking forms of each student from their parents.
6. Visited the Centre on dated 20/02/2019 Reporting time:9:00 Hrs.
7. All the visitors permitted after completion of security check and by showing their Identity Proof
8. Visited two launch pads : i. ISRO museum
ii. Launch pad1 for PSLV
iii. Launch pad 2 for GSLV
9. Mission Control Center : Launch vehicle Monitoring system
10. Feedback / Suggestions : Less time to visit museum

