

Department of Electronics & Communication Engg.,

Electronics &
Communication
BUZZ.....



Congratulations

Hearty Congratulations to
Dr. K Padmavasavi
for
her successful completion of Ph.d.



Special points of interest:

- ☞ International day of people with disabilities
- ☞ A Five Day SDP on “Speech Signal Processing”
- ☞ A guest lecture on “MATLAB & Its Applications”
- ☞ A Five Day SDP on “Micro controller & its Applications”

International Day of persons with Disabilities

International day of people with disability is a United Nations sanctioned day that aims to promote an understanding of people with disability and encourage support for their dignity, rights and well-being. On this occasion every year the management of SVES is donating assistive technology projects to the differently abled people.

During the past four years more than 150 items have been distributed by the management, Sri Vishnu Educational Society, Bhimavaram for the needy people.

The following projects are designed in ATL are distributed to clients 1. Robotic metal feeder 2. Smart math trainer 3. Bubble tube 4. Health monitoring system

5. Versatile wheel chair 6. Interactive wrist band 7. Succour 8. Third eye. Clients from CVC Bhimavaram, Sri Venkateswara Deaf School, Arunodaya Manovikasa Kendram received the projects. This year’s event is little different



Dignitaries on the Dais

because we have finally come up with a product E-Stick for the benefit of our visually challenged clients. Dr. Mohan Rao, superintendent Bhimavaram government Hospitals was the chief guest for the function.

Dr. G Srinivasa Rao principal, Dr. K Padmavasavi, Dean ATL, HODs and staff of different departments are attended to this event.



Distribution of Projects to Clients

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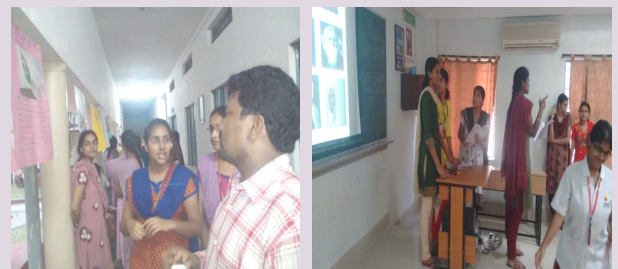
Faculty Training & Publications

1. Prof. GRLVN Srinivasa Raju Prof & HOD of ECE dept. publishes a paper entitled “Design of a low power multi-band clock distribution circuit using single phase clock ” in International Journal of Engineering Research and Applications (IJERA), Vol 4 - Issue 9 Sep 2014.
2. Prof. GRLVN Srinivasa Raju Prof & HOD of ECE dept. publishes a paper entitled “Synthesis of Cosecant and square patterns for EMC applications ” in IOSR journal of electronics and Communication Engineering
3. Dr. K. Padma Vasavi authored a book on “Edge Detection in Image Processing ” and published by Dominent Publishers.
4. Dr. K. Seshadri Sastry Prof. of ECE dept has published a paper entitled “Design of a low power multiband clock distribution circuit using single phase clock ” in International Journal of Engineering Research and Applications (IJERA), Vol 4 - Issue 9 Sep 2014.
5. Mr.A. Narayana Kiran Asst. Professor of ECE dept. has published paper entitled “Efficient Data Transmission by Introducing Stuffing Bits in HUFFMAN Coding Technique ” in International Journal Of Engineering And Computer Science (IJECS)Volume 3 Issue 10 October, 2014 Page No.8854-8858.
6. Mr. K.S.N.Raju Asst. Professor of ECE dept. has published paper entitled “Implementation of High Precession Data Compression Algorithm Using VHDL” in International Conference on Advancement in Engineering & Management, Oct 10 &11,2014.
7. Mr. K.S.N.Raju Asst. Professor of ECE dept. has published paper entitled “Data Compression Algorithm For wireless sensor networks Using VHDL” in National conference on current trends in engineering & technology 2014.
8. Mr. K.S.N.Raju Asst. Professor of ECE dept. has published paper entitled “Low Power Data Compression Algorithm For Wireless Sensor Networks Using VHDL” in International Journal Of Engineering And Computer Science, Volume 3 Issue 11 November, 2014 Page No. 9067-9072
9. Mr. M. Prema Kumar Associate Professor of ECE dept. has published paper entitled “Implementation of 32-Bit wave pipelining sparse tree adders” in International journal of emerging trends & technology in computer science (IJETTCS) Vol 3, Issue 5, Page 212-216
10. Mr. M. Pradeep Associate Professor of ECE dept. has published paper entitled “Wavelet Transform Based Latency Optimized Image Compression for Low Dense Applications” in International Journal of scientific engineering & technology research, vol 3, issue 39, nov 2014, Pages:7966 -7969.
11. Dr. K. Padma Vasavi Professor of ECE dept. has published paper entitled “High-Performance VLSI Architecture for AES-GCM Algorithm with Sub Pipelining” in International Journal of VLSI Design and Communication System , vol.2, Issue 10, November 2014, pp 1019-1024.
12. Mr. M. Prema Kumar Associate Professor of ECE dept has published a paper entitled “A Hybrid Multi Focus Image Fusion Using Image Quality Assessment ” in International journal of electronics & Communication technology (IJECT).
13. Mr. V. Srinivasa Rao Associate Professor of ECE Dept has published a paper entitled “Implementation of multiple SIC vectors for applications in BIST Schemes” in International association of engineering & Technology for skills development Issue 3 vol 4.58
14. Ms. R. Susmitha Asst. professor of ECE Dept has published a paper entitled “VLSI Implementation of efficient convolution LA encoder & modified viterbi decoder” in International journal for research in applied science and engineering technology IJRASET/Nov/SP105 SPECIAL ISSUE 3rd Nov 2014.
15. Ms. V. Nagavalli Asst. professor of ECE Dept has published a paper entitled “A design of FPGA with LEDR encoding and dual rail architecture” in International journal for research in applied science and engineering technology IJRASET/Nov/SP105 SPECIAL ISSUE 3rd Nov 2014.
16. Dr. K.Pushpa professor of ECE dept. has presented a paper entitled “VLSI Implementation of Spatial Modulation Receiver ” in Intl. Conf. on Current Innovations in Engineering and Technology, Oct. 2014.
17. Dr. K. Pushpa of ECE dept. has published a paper entitled “VLSI Implementation of Low Complex Spatial Modulation MIMO Receiver” in VLSI Implementation of Low Complex Spatial Modulation MIMO Receiver Vol. 2, Issue 7, Dec. 2014.

Students Activities & Achievements

IETE Activities

1. A training program on ADK (Analog Discovery Kit) was conducted from 28th to 29th June 2014 under IETE for the faculty of various institutions from shri Vishnu educational society, Bhimavaram. Around 45 faculty were benefited.



- An event called "GALAXY OF GAMES" was conducted On 4th July 2014, for the Second and Third year students. All the students were formed into pairs and were asked to participate in the six sub-events like Colour Mania, Electronics-Spiral, Instant play, Picture blurr, Yes / no questions and Triggering.
- A event IPL(IETE POSTER LEAGUE) was organized by IETE student forum. In this Participants prepared posters on the selected topics and exhibited them. They gave brief explanation about that topic to the visitors. A total number of 94 students (47 batches) have taken part in the event.
- A one day workshop was conducted on 27th Nov,2014 on "MATLAB & Its Applications". This lecture was intended for the broader academic community who seeks to explore the impact of MATLAB in the industry and Academics.

ISTE Activities

- Engineers Day was celebrated on 15th September, 2014 as a tribute to Bharat Ratna Shri M. Visvesvaraya, on his birth anniversary.



- ISTE Student Chapter of SVECW organized various technical events on 25th September 2014. An ICE Breaking Program was conducted on this occasion. The events such as Essay Writing, Quiz Prelims, Drawing, Group Discussion were also conducted.

Seminar



A seminar on "Broadband antennas for Defense applications" was organized for III -B.Tech students on 15-11-14. The resource person for this programme is Dr. M.Chakraarthy. Scientist-G, DLRL, Hyderabad.



A Five Day Workshop on

"Speech Signal Processing: Hands on Experience"

A Faculty Development Program on "Speech Signal Processing: Hands on Experience" conducted by the department from 27th Nov 2014 to 1st Dec 2014 under Under TEQIP-II. The main objective of this workshop is to train and motivate the participants to learn the basic concepts of Speech Signal Processing and start research and development on applications of Speech Signal Processing. Dr. N.Srikanth, Dr. Anil kumar vuppala and Mr. T A S N Varma trained the participants in the area of speech processing.



The faculty were trained in various advanced areas of speech processing such as Speech recording, Speaker identification, Matlab demonstration of speaker identification, and Speaker identification in noisy environment. Around thirty eight faculty from various engineering college across AP attended for this workshop. Prof. GRLNV Srinivasa Raju HOD of the dept. was the convener, Mr. M Prema Kumar &

A Five Day Workshop on "Micro controller & its Applications"

A five day workshop was conducted by dept. of ECE from 17th to 21st November, 2014. Prof. GRLVN Srinivasa Raju HOD of the dept. was the convener, Mr. K Murthy Raju & Mr. M V Ganeswara Rao were the coordinators of this workshop.

This workshop is intended for the broader academic community who seeks to explore the impact of Microcontrollers in the industry. Workshop provides, lab technicians with a personalized experience that

is rich with technical knowledge. This workshop covers basic concepts of electronic components to advanced microcontroller like PIC Microcontroller and Arduino Microcontroller. Dr. K Padmavasavi, Mr. M V Ganeswara Rao, Mr. K S N Raju & Mr. K Praveen acted as resources persons. Over 35 lab instructors from various colleges in AP were attended to this workshop.



Prof. GRLVNS Raju
Head of the Dept

The Department of Electronics and Communication Engineering of Shri Vishnu Engineering College for Women (SVECW) was established in the academic year 2001-02 with an annual intake of 60. The Department is accredited by NBA (National Board of Accreditation, AICTE, New Delhi) for 5 years. The intake was increased to 120 from the academic year 2004-05 and later the intake was increased to 180 from the academic year 2011-12. In addition to this intake, the Department has 20% lateral entry students at II B.Tech. level.

The B.Tech. (ECE) program is duly approved by the AICTE and Government of Andhra Pradesh and has a permanent affiliation to Jawaharlal Nehru Technological University (JNTU), Kakinada. The Department has a number of well-equipped laboratories and provides excellent facilities for learning. The Department periodically organizes seminars, symposia, workshops and guest lectures for the benefit of both the students and the faculty. The department has an excellent blend of well experienced and young faculty.



**"it's fine to celebrate success but it
is more important to heed the lessons
of the failure"**

-BILL GATES