DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

TECHNICAL MAGAZINE

AUGUST 2019

SRKR ENGINEERING COLLEGE
(Autonomous)
Recognised as Scientific and Industrial Research Organisation
ESTD:1980

THIS ISSUE

Brings you Awareness about Department activities Done by staff and students

ABOUT THE INSTITUTE:

Sagi Rama Krishnam Raju Engineering College (S.R.K.R Engineering College) is a co-educational, independent and a self –financed Engineering College. It is one of the oldest seminaries formed in 1980's by S.R.K.R. Engineering college Association provide to a better quality technical education to students. President Sri. S. Prasada Raju is carrying forward the vision of his father Late Sri Sagi Rama Krishna Raju guiding the society on its path of excellence. The college is located with a science beauty in a 30 acres plot in Chinna - Amiram on Bhimavaram-Vijayawada state highway; just 2 miles from Bhimavaram town, that is well known A Second Bardoli and is famous for Pancaharamas (Somaramam). This college is affiliated to JNT University, Kakinada, recognized by AICTE, New Delhi. And Offers 6 UG Courses, 7 PG Courses and 5 Ph.D. Programs. Was accredited thrice by National Board of Accreditation (NBA). And accredited by the National Assessment and Accreditation Council (NAAC). Centre of Excellence namely Water and Environment Technology (WET) research centers and Geospatial Information Centre (GIC) are established.

TRANCE-2019

A two day event TRANCE -2019 has been conducted by the Dept. of ECE, SRKREC during 3rd and 4th January-2019 The inaugural function was conducted on 3rd Jan.2019 at 9.30 AM in ECE, Dept. AC Seminar hall .For this function the management members Sri S.V. Ranga Raju, Secretary and Correspondent, SRKRECA, Dr. G. Pardha Saradhi Varma, Principal, SRKR Engineering College, Chief Guest Sri B.V. Subba Rao, Scientist/Engineer-G, General Manager, RADARS RIS/RO, SDSC SHAR, Sriharikota-524124 (AP), Convener Dr. P.V. Rama Raju, Professor and Head, Dept of ECE , faculty coordinators Sri G. Naga Raju, Assistant professor, Sri K.N.V. Suresh Varma, Assistant professor, Sri K.N.V. Satyanarayana Assistant professor & Sri P.James Vijay, Assistant Professor, Senior faculty members from ECE Dept, HOD's from other Depts., Students from ECE Dept., Student Participants from SRKREC and Student Participants from Various Institutions all over from south India were attended.

The Chief Guest of Inaugural Function on 3rd January-2019, Sri B.V.Subba Rao, Scientist/Engineer-G, General Manager, RADARS RIS/RO, SDSC SHAR, Sriharikota-524124 (AP), has given Key note address on Space Engineering and Technologies.

In TRANCE -2019 we conducted Six events like Theatre (Movie & making), Revelant (Poster Presentation), Art Gallery, Nexus (Hardware Circuitry), Conception (Technical Quiz) and Exposition (Paper presentation), Spot Events, Sports and Games. A workshop on "Image Sensing Robot" has also conducted by ROBOKART.com & Innovation – Cell UMIC, IIT Bombay, and five resource persons have come to train the participants.

On the next day, on 4th January-2019 in the valedictory function the chief guest Sri Dandu Viswanatha raju, Automotive embedded specialist, Founder and CEO Vector India Pvt. Ltd., Founder and CEO WINFO consulting pvt. Ltd., has addressed the gathering on Latest Trends in Technologies in Industries. For some of the events 1st, 2nd and 3rd prizes are given .And for some of other events 1st& 2nd prizes are given. A total amount of Rs. 20,000/- of worth prizes were given.

FDP ON HANDS ON WORKSHOP ON ASIC/FPGA DESIGN & ITS APPLICATIONS

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One week national level Faculty Development Program is conducted on Hands on workshop on ASIC/FPGA Design & Its Applications from 24th to 29th June 2019 in ECE department. This program is Jointly Organised by APPLYVOLT, Vijayawada and Department of ECE, S.R.K.R. Engineering College, Bhimavaram.

Inaugural function was conducted on 24th June 2019 at 10.00 AM in ECE department seminar hall. Chief Guest for this- function is Sri. K. Ramesh Naidu, Co-Founder, APPLYVOLT. For this function the management members Sri S.V.Ranga Raju, Secretary Cum Correspondent, SRKRECA, Dr. M. Jagapathi raju, In-Charge Principal, SRKR Engineering college and Dr.P.V.Rama Raju, Professor & Head of ECE department, SRKR Engineering college, faculty members from ECE department and faculty from various institutions attended. Total number of 36 faculty members have been participated from various Engineering colleges in AP and other parts of India.

The Chief Guest of inaugural function Sri. K. Ramesh Naidu, Co-Founder, APPLYVOLT, has delivered Key-note address on ASIC/FPGA Design & Its Applications.

On 24th June 2019, Sri.K.Ramesh Naidu, Co-Founder APPLYVOLT, has given lecture on ASIC/FPGA Design & Its Applications and types of Interfaces.

From 24th afternoon session to 29th morning session, R. Bujji babu and K. Pradeep handled theory and lab sessions. The Program schedule for 6 days is attached.

On 29th June 2019 in the valedictory function Certificates were distributed to the Participants.

IETE'S QUEST - 18

QUEST 2K18 conducted by IETE student body organised by Professor DVR Mohan, Department of ECE, SRKR engineering college, Bhimavaram. For internal participants i.e. participants from SRKR Engineering College and Participants from Colleges around the Bhimavaram, Hardware contest is held and selected presentations procure prizes. Some of the best Circuits with titles are ATLAS, AUTOMATIC RAILWAY GATES, WIRELESS COMMUNICATION, ARTIFICIAL RETINA, NUCLEAR MICRO BATTERY, TOUCH SCREEN TECHNOLOGY, IOT, CARBON NANO TUBES, LIFI TECHNOLOGY, WEAPON TECHNOLOGY, WIRELESS COMMUNICATION.

FDP ON HANDS ON WORKSHOP ON INTERNET OF THINGS

DEPARTMENT MISSION

1. *Educating the students with the state of the art technologies in ECE to meet the ever growing challenges of the industry.*
2. *Nurturing the spirit of innovation and creativity in the faculty and students in order for them to carry out research in collaboration with research organizations and industry.*
3. *Providing ethical and value based education that promotes activities pertaining to societal needs.*

A one week national level Faculty Development Program is conducted on Internet of Things and its Applications from 18th to 23rd March 2019 in ECE department. This program is Jointly Organised by IGDTUW, ETI Labs, Delhi and Department Of ECE, S.R.K.R. Engineering College, Bhimavaram.

The inaugural function was conducted on 18th March 2019 at 10.00 AM in ECE department seminar hall. Chief Guest for this function is Sri. Dr. S. Ramnarayana Reddy, HOD CSE, IGDTUW, Delhi. For this function the management members   Sri S.V.Ranga Raju, Honorary Secretary, SRKRECA, Dr. G. P. Saradhi Varma, Principal, SRKR Engineering college and Dr.P.V.Rama Raju, Head of ECE department, SRKR Engineering college, faculty members from ECE department and faculty from various institutions attended. Total 58 faculty members participated from various engineering colleges in AP and other parts of India.

The Chief Guest of inaugural function Sri. Dr. S. Ramnarayana Reddy, HOD CSE, IGDTUW, Delhi. has given Key note address on Internet of Things and its Applications.

On 18th March 2019 Sri. Dr. S. Ramnarayana Reddy, IGDTUW has given lecture on Internet of Things and its Applications and types of Interfaces.

On 19th March 2019 Sri T.Rachit , ETI Labs gave lecture on Sensor Interfacing, Display and Bluetooth Interfacing and followed session on Hands On.

On 20th Sri. Manasi Mishra gave lecture on Cloud Computing and its applications and respective Hands on sessions.

On 21st March 2019 Sri. Dr. S. Ramnarayana Reddy gave lecture on IoT Data communication and protocols, MQTT Lightweight protocol & respective Hands on.

On 22nd March 2019 Sri. Manasi Mishra gave lecture on Mobile Application Development and respective Hands on Session.

On 23rd March 2019 application development and project Expo was conducted and best projects awarded with ETI lab Boards.

On 23rd March 2019 in the valedictory function Certificates were distributed to the Participants.

IETE'S CRUX-18

CRUX 2K18 conducted by IETE student body organised by Professor DVR Mohan, Department of ECE, SRKR engineering college, Bhimavaram. For internal participants i.e. participants from SRKR Engineering College and Participants from Colleges around the Bhimavaram, Hardware contest is held and selected presentations procure prizes. Some of the best Circuits with titles are Image processing based fire detection, Lifi, Hand gesture controlled robot using arduino, Speaking instrument for dumb people, Power generation using piezo electric sensor, Automatic Street Light, Digital signal processing using Bluetooth Module, Coin based mobile Charger, Automatic Fish Feeding, Car wiper using rain sensor.

4th SRKR Photo ZF India Innovation

This year Smt. Oruganti Sundari Annual Scholarship is given to Miss Kondapalli Hari Keerthana who got 9.47 CGPA in third year.

🏆 **THE GREAT AIM OF EDUCATION IS NOT KNOWLEDGE BUT ACTION** 🏆

ABOUT OUR DEPARTMENT

The department of ECE came in to existence in 1980 when the institute was established with an intake of 35 which was subsequently raised to 240 over a period of time. M.Tech course in Communication Systems was started in 2006. The department is presently offering 4 year B.Tech program in ECE, 2 year M.Tech in Communication Systems and Ph.D. program. The department has highly qualified, experienced and dedicated staff members. The department has dedicated technical and non teaching staff members. The department has good infrastructure facilities. The department was accredited thrice by National Board of Accreditation (NBA). The department has student chapters of professional bodies like IEEE. IETE and college level ISTE, which conduct various student technical activities. Students of ECE participate in National level technical paper and hardware competitions being organized at various other colleges and some of them are awarded with prizes. They have been obtaining good scores in GRE, TOEFL and CAT. Students are placed in companies like TCS, Polaris, CTS, IBM, Infosys, Texas Instruments, BSNL, BEL, ISRO and DRDO.

ECE department has been identified as research center by JNT University. The research center provides required facilities for carrying out research work for scholars. The department is associated with organizations like DRDO, NSTL, BEL, ISRO, BSNL, NRSA and RTTC. The department has MOUs with Vector India Pvt. Ltd., AMSYS Technologies, Innovation Communication Systems Ltd. and TCS for collaborative work and faculty improvement programs. Faculty published and presented about 175 research papers in technical journals and conferences.