DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

BITS & BYTES

E Newsletter

SVCE | Sri Venkateswara College of Engineering

Quarterly

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Department of Electronics and Communication Engineering

Workshops/FDPs/Conferences

Dr.S.R.Malathi Associate Professor attended "Academic Research Summit 2019 on Data Science and AI" Organized by Microsoft Research India, ACM India, Robert Bosch Centre for Data Science and AI, held at IIT Madras, on 24-Jan-2019 to 25-Jan-2019 and completed NPTEL-AICTE FDP, 08-week Course "Embedded System Design with ARM" during the period Jan-Mar 2019.

Dr.S.R.Malathi Associate Professor delivered a guest lecture on "Realization of Monolithic ICs and Packages" at Velammal Engineering College, Surapet, on 08-Mar-2019.

Ms.T.J.Jeyaprabha Assistant Professor completed AICTE-NPTEL-FDP on Cloud Computing during Feb-April 2019.

Ms.D.Menaka, Assistant Professor completed 1.8-week AICTE-NPTEL FDP ON "Fuzzy logic and Neural Networks" conducted by IIT during Jan-April 2019.

Ms.K.S.Subhashini Assistant Professor attended RBCDSAI web science symposium 2019 at IIT Madras from 25/02/2019 and 26/02/2019.

Mr.S.Senthil Rajan Assistant Professor delivered a Guest Lecture on "Identification of Business Opportunities" at Incubation Centre, SSN College of Engineering, Chennai on 12th February 2019.

Ms.R.Kousalya Assistant professor and Ms B Sarala Assistant professor completed 1.5 week AICTE-NPTEL FDP ON "CRYPTOGRAPHY AND NETWORK SECURITY" conducted by IIT-Kharagpur during Jan-April 2019.

Students' Achievement

Mr.R.Gurucharan, III ECE student has authored a book titled SUNSHINE WITH MY SOLITARY FRIEND. The book was released by Mr P Kumar, Honourable Member of Parliament, Lyricist Mr Pa Vijay received the first copy on March 24th 2019 at Sangam, Trichy.

Final Year ECE students Mr PR Sriram, Mr M Muthumanikandan, Mr Nithin Ayyappaa and Mr Rahul Murali had won the best paper award at the International Conference on Information & Communication Technology (ICICT 2019) held at Brunel University, London, on 25th and 26th February 2019. The title of the paper is Textile Sensor based Exo- Skeleton Suite for the Disabled.

Ms Shalini V, Ms Saipavani G, Mr Subramania Raman M K and Mr Samer D M own the FIRST prize in the "Robo- Race" event in ROBO-TI KINGS a National level Robotic Competition held at Kings Engg. College on 23rd March 2019.

Patents Filed

1. **Dr.P.Jothilakshmi Professor Mr.S.Saravana Yogesh, Mr.Z.Sheikh Nizamudeen, Mr.R.R. Rajashekhar, Ms.B.Hemalatha Assistant Professor and Ms.C.Gomatheeswari Preethika Assistant Professor** filed a Indian patent titled "Juliflora Demolishing Rover" (JDR), Patent application number 201941018355 on 08.05.2019 and published on 24.05.2019, The Patent Office Journal No. 21/2019 Dated 24/05/2019.

Faculty Publications

Ms.K.Bhavya and Dr.G.Padmavathi Professor published paper titled "Performance Study of Cooperative Spectrum Sensing for Cognitive Radio Networks Using Network Coding" International Journal of Research and Analytical Reviews Vol. 6, Issue. 2, Pg. 579-583.

Mr.G.Elaiyaraja, Dr.N.Kumaratharan Professor and T.Chandra Sekhar Rao published paper titled "Fast and Efficient Filter using Wavelet Threshold for Removal of Gaussian Noise from MRI/CT scanned medical images/ colour video sequence" in IETE Journal of Research, DOI: 10.108003772063.2019.1579679 pg:1-13.

Mr.R.Gokul, Mr R.Gowtham, Mr.N.Arvind Bharathy and Dr.P.Jothilakshmi Professor published paper titled "Design and Implementation of Pattern Reconfigurable antenna for Microwave application"

in Cikitusi Journal for Multidisciplinary, ISSN NO: 0975-6876,Vol.6,issue4, pp.628-631, UGC No. 40784 , 2019.

Mr B Kishor Kumar, Mr R Mohanasundaram and Dr P Jothilakshmi Professor published paper titled "Design of Multilayer Stacked Patch Antenna for C and X band Applications" in International Journal of Scientific Research and Review, ISSN No:2279-543X, Vol.8, Issue3, pp.1103-1109, 2019. (UGC ISSN APPROVED: 64650).

Ms T J Jeyaprabh, Mr Abijth A, Mr Guruprashanth and Mr Chiranjeev Raja T published paper titled "Implementation of Remote Patient Monitoring using Wireless Pulse Oximeter" in International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3838, Vol.7, Issue 5S4.

Mr Umesh Ravichandiran, Mr Vignesh Mathivanan, Mr Venkat Vishal and Mr Arul P published paper titled "Security Issues Related to IOT Devices with Artificial Intelligence" in Journal of Emerging Technologies and Innovative Research (JETIR), March 2019, Vol. 6, Issue 3 , pg.82-88.

Ms R Kousalya Assistant professor and Dr.G.A.Sathish Kumar Professor presented paper titled "A Survey of Light Weight Cryptographic Algorithm for Information Security and Hardware Efficiency in Resource Constrained Devices" in IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN) conducted by VIT, Vellore.

Ms B.Sarala Assistant professor and Dr.G.A.Sathish Kumar Professor presented paper titled "RNS to Decimal and Sign Detector using Scaling for an RNS 3 Moduli set {2n-1, 2n, 2n+1} " in IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN) conducted by VIT, Vellore.

Dr P Jothilakshmi Professor Reviewed paper titled "Speed of Sound based Capnography Sensor with Second Generation CNN for Automated Classification of Cardiorespiratory Abnormalities" IEEE Sensors Journal on 25.03.2019.

Ms N Varnikha and Dr P Jothilakshmi Professor presented paper titled "Design of Multiband Fractal Antenna Proceedings of International Conference on Science and Innovative Engineering 2019 (ICSIE-2019) held at Jawahar Engineering College, Chennai on 24.03.2019.

Mr S Saravana Yogesh, Mr Z Sheikh Nizamudeen, Mr R Rajashekhar, Ms C Gomatheeswari Preethika Assistant Professor and Dr P Jothilakshmi Professor presented paper titled "Design of Meta surface Wide Band Antenna for C Band Applications" in 2nd International Conference of Information, embedded & communication systems (ICIECS 2019) held at St.Josephs College of Engineering on 22.03.2019, Proceedings in CD.

Expert Lectures

The ECE Association conducted guest lecture on 9th January 2019. The guest Mr. S.P. Dinesh, CEO TechMbed, Chennai, addressed on the topic "Recent trends in UAV Technology"

The ECE Association conducted guest lecture on 11th January 2019. The technical talk was given by Mr. Hariharan Seshadri, an employee of Qualcomm.

The ECE Association in collaboration with Alumni Coordinators of EC conducted technical talk on 5th February 2019. The technical talk was given by Mr. Hariharan Seshadri, an alumnus of SVCE. For the last 14 years, Mr. Hariharan has been working in Qualcomm and has been associated with multiple generations SOC's.

The ECE Association conducted an interactive session on Robotics on 25th February 2019. The technical talk was given by Mr. Parthiban, Team leads of Business Development at Lema Labs.

Inauguration of IETE Students Forum (ISF) at SVCE on 1st March, 2019, in presence of Shri. RPB Sundaram, EC member, IETE, Chennai. Inauguration of Robotics and AI Club on the same afternoon.

The Department of Electronics and Communication Engineering organized one day seminar on "A road map to Deep Convolutional Neural Networks and its applications" during March 19th 2019.

Events Organized

A one-day workshop on "Instrumentation for RF Measurement" was conducted by the Department of Electronics and Communication Engineering on 25.01.2019.

The Department of Electronics and Communication Engineering organized One Day Workshop on "PCB design and Fabrication" on Feb 27th 2019.

Five days Value Added Course on "Hardware Modelling using Verilog HDL" was organized from 18th to 22nd February 2019.

A National level Conference on Signal processing, Communication and Networking (NCSPCN-19) was conducted on 15th March, 2019. The conference concluded with a guest lecture by Mr. RPB Sundaram, EC member of IETE Chennai, spoke about Industry 4.0. Shri. Sridharan, Treasurer of IETE too gave a brief talk on communication systems and technologies of the future.

The Department of Electronics & Communication Engineering conducted a 'Two days National level Workshop on, "Antenna 3D Simulation Techniques Using CST Software" during 27th March to 28th March 2019.

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