

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

BITS & BYTES

E Newsletter



Volume I, Issue 4, April – June 2019

Department of Electronics and Communication Engineering

Workshops/FDPs/Conferences

Dr G Padmavathi Professor, Dr P Jothilakshmi Professor, Ms.C Gomatheeswari Preethika Assistant Professor and Mr.G Loganathan Assistant Professor attended 6 days Short term Training Programme on AICTE Sponsored STTP on “Embedded System Based Smart farming with less water and fertilizers via IoT Technologies” held during June 10th to June 15th-2019 at Panimalar Institute of Technology.

Dr G Padmavathi Professor delivered a Guest lecture titled “NEXT GENERATION WIRELESS NETWORKS” in Anna University sponsored six days FDTP on Cognitive Radio conducted at Velammal Engineering College, Chennai on 9/05/2019.

Dr R Gayathri Associate Professor completed training course in Vertical Integration Course for trainers during 29/1/2019 – 8/2/2019 by Maritime Foundation, Chennai and attended Anna University sponsored FDP on Cognitive Radio at Velammal Engineering College, from 06.5.2019 to 11.05.2019.

Ms K Srividhya Assistant Professor completed training course in Vertical Integration Course for trainers during 15/04/2019-26/4/2019 by Maritime Foundation, Chennai.

Ms C Gomatheeswari Preethika Assistant Professor attended Anna University sponsored FDP on Telehealth Technology at Panimalar Engineering College from 13.5.2019 to 18.05.2019.

Ms M Vidya Assistant Professor attended TEQIP sponsored FDP on Applied Soft computing: Theory and practice at PSG college of Engineering during 22/04/2019 -28/04/2019.

Dr G A Sathish Kumar, Professor attended Short Term Training programme on Data Science and Machine learning using Python, Sri Venkateswara College of Engineering April 29th to May 03rd 2019 and One Week Short -term Course on “VHDL Programming and Implementation in FPGA” at NITTTR, Chennai from June 17th to June 21st 2019.

Dr N Kumaratharan Professor attended AICTE – QIP sponsored Short Term Course on “Recent Trends in Multimedia Communication” at Pondicherry Engineering College, Pondicherry, 21st – 27th March 2019 and One day national workshop on “Implementation of Image Processing Techniques using OpenCV - Research Perspective” on 29th April 2019.

Dr P Jothilakshmi Professor delivered a Guest lecture on “Introduction to Mechatronics” in the Anna University sponsored 5 days FDP on Mechatronics (17.06.2019 to 21.06.2019) at Chennai Institute of Technology on 17.06.2019.

Mr S P Sivagnana Subramanian Assistant Professor attended QIP Short Term Course at IIT, Bombay on “Microcontroller Architectures and Hands-on sessions on Embedded Systems” which is scheduled from June 17-21, 2019.

Ms S Kalyani Assistant Professor delivered lecture on "Convolution techniques, FFT and its applications" in the Anna University approved FDTP on Discrete Time Signal Processing on May 3,2019 in Saveetha Engineering College.

Ms L Anju Assistant Professor delivered lecture on “Design of FIR filters” in the Anna University approved FDTP on Discrete Time Signal Processing on May 7,2019 in Saveetha Engineering College.

Ms B Hemalatha and Ms. Rajeswari Ramaraj attended Anna University sponsored FDP on Cognitive Radio at Velammal Engineering College, from 06.5.2019 to 11.05.2019

Ms S M Mehzabeen Assistant Professor and Mr P Arul Assistant Professor completed NPTEL-AICTE faculty development programme on computer organization and architecture-A pedagogical aspect.

Mr N Sathish Assistant Professor completed the NPTEL online Certification Programme on "Principles of communication systems-1".

Mr N Sathish Assistant Professor completed the NPTEL online Certification Programme on "Principles of communication systems-1".

Students' Achievement

Mr Sudarsshana Krishna has bagged 1st prize in PALS residential workshop on “Think, Create, Engineer” conducted at IIT Madras.

Ms Monica N has secured 94 % in the NPTEL course on Programming in Java and placed in Elite+Gold category.



Patents Filed

1. Dr P Jothilakshmi Professor filed patent titled “Frequency Reconfigurable Microstrip Antenna for Satellite Applications” with Ms B Hemalatha Assistant Professor with Patent Appln.no: 201841019573 dated 25.05.2018 and published on 08/03/2019.

Faculty Publications

Ms E S Lakshmi and Dr P Jothi Lakshmi Professor, published paper titled “Design of Frequency Reconfigurable Array Antenna for Cognitive Radio Applications “ in the International Journal of Advanced Research in Dynamical and Control Systems (JARDCS), ISSN:1943023X, Vol.11, Special issue.3, pp.1405-1411,May 2019, Scopus indexed, USA.

Dr P Jothilakshmi Professor, Mr R Mohanasundaram, Mr D K Iniyavan and Mr S Jithin, published paper titled “Design and Fabrication of 5.8 GHz ISM Band Microstrip Patch Antenna Through Aperture Coupled Feeding Technique” in International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, May 2019, Vol.6, issue 5, pp.449-455, UGC No. 63975.

Mr A Sivabalan and Dr P Jothilakshmi Professor published paper titled “Microstrip Wearable O-Shaped Reconfigurable antenna for Medical Applications” in International Journal of Recent Technology and Engineering (IJRTE), Vol.8, issue1, May 2019, EISSN: 2277-3878, pp.318-324 (Scopus Indexed).

Mr G Adhitya, Mr V Abishek, Mr R Mohana Sundaram and Dr P Jothilakshmi Professor published paper titled “Design of Microstrip Antenna for X Band Satellite Communications” in International Journal of Research and Analytical Reviews, May 2019, Volume 6, Issue 2, pp.342-344 (UGC ISSN APPROVED: 43602).

Ms E S Lakshmi and Dr P Jothilakshmi Professor, published paper titled “Design of Frequency Reconfigurable Antenna Using a Defective Ground Structure With Pattern Agility for Cognitive Radio Applications” in International Journal of Research and Analytical Reviews, May 2019, Volume 6, Issue 2, pp.352-356(UGC ISSN APPROVED: 43602).

Ms K Srividhya Assistant Professor and Dr.Umma Habiba Professor published paper titled “MIMO Antennas-a review” in International Journal of Research and Analytical Reviews.

Mr M Raghavandaar, Mr M Prathiksh, Ms S.Revathy and Dr.H.UmmaHabiba Professor presented paper titled “RF Energy Harvesting Using Printed Half-Wave and Quarter-Wave Length Monopole Antenna for IOT Application” in 5th National Conference on Information and Communication Technologies (NCICT 2019), April 1 & 2, 2019, SSNCE, Chennai, India.

Mr Prasanna S, Mr Muthukumar SP, Mr Joshua Albert M, Mr Pravin Balaji S A, Dr. H.UmmaHabiba Professor presented paper titled “Design of a Compact UWB Antenna with High Percentage of Bandwidth”, 5th National Conference on Information and Communication Technologies (NCICT 2019), April 1 & 2, 2019, SSNCE, Chennai, India.

Mr. Praveen H, Mr Nirmal Kumar P, Mr Murali Krishnan TM, Mr Praveen Kumar N, H.UmmaHabiba, ‘Wearable antenna operating at 2.45GHz band for on-body wireless Communications’, 5th National Conference on Information and Communication Technologies (NCICT 2019), April 1 & 2, 2019, SSNCE, Chennai, India.

Mr R Gurucharan, Mr V S.Gowtham, Mr P.Aron Jerin Roger, Mr K K Gowtham and Dr P Jothilakshmi Professor presented paper titled “Fractal Antenna For X-Band Weather Radar Applications” in 2nd International Conference On Electrical and Electronics Engineering (ICEEE), by Academic sera, held on 12th-13th June, 2019 at Paris, France.

Expert Lectures

The ECE Association and ISF Valedictory function was conducted in the afternoon of 1st April 2019 and a technical talk on “Evolution in Telecommunication” was delivered by Shri A.Sadagopan, F-IETE and AGM (Retd.), BSNL.

Events Organized

The Department of Electronics & Communication Engineering conducted One Day National Workshop On “IoT in Communication” 01st April 2019.

SVCE ISF organized a seminar on Computer & Communication Networks and Security on 1st April, 2019. Three speakers, all alumni of SVCE, were invited for the seminar. Mr. V. Vignesh, an engineer from Qualcomm gave a talk on Layering concepts of TCP/IP, followed by a talk on “Web Applications and Security” by Ms. Reshma, Senior Systems Engineer, Infosys. It was followed by an interactive session by Mr. Shyam Lal Lakshminarayana Sridhar, Senior Systems Engineer, Infosys, on the topic “Placement preparation for Communication and Networking”.

The Department of Electronics and Communication Engineering organized a Faculty Development Training Programme on Soft Computing and their Applications from 10th-14th June, 2019.





