

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

BITS & BYTES

E Newsletter



Volume III, Issue 3, Jan – Mar 2021

Department of Electronics and Communication Engineering

Faculty Publications – Journal

1. **Suresh K and Kumaratharan N**, “SDN Controller Allocation and Assignment Based on Multicriteria Chaotic Salp Swarm Algorithm, Intelligent Automation and Soft Computing”, Vol. 27, No.1, pp. 89-102, 2021.
3. **G.Jayanthi, Dr.P.Jothilakshmi**, “Traffic time series forecasting on highways - a contemporary survey of models, methods and techniques”, International Journal of Logistics Systems and Management Jan 2021, Vol. 39, Issue 1, pp 77-110.
4. **Dr.R.Gayathri, P.R.Buveneswari**, “Deep Learning-Based Segmentation in Classification of Alzheimer’s Disease”, Arab Journal of Science and Engineering (2021). ISSN 2193-567X, Jan 2021.
5. **P.Ashok, M. Ganesh Madhan** “Impedance characteristics of mid infra-red Quantum Cascade Lasers”, Journal of Optics and Laser Technology, Elsevier Publishing, Volume 134, Article No. 106662, pp. 1-8. ISSN-0030-3992, FEB 2021.
6. **P. Ashok, M. Ganesh Madhan** “Performance evaluation of free space optical link by incorporating the device parameters of quantum cascade laser-based transmitter Laser Physics Letters”, IOP Publishing, Astra Ltd, Volume 18, Number 3, February 2021, Pages 1-6, e-ISSN-1612-202X, p-ISSN-1612-2011 FEB 2021.
7. **Dr.G.A.Sathishkumar, M.Manimaraboopathy, M.Mohanraj, M. Valliammai** “Realization of all-optical multiplexer–demultiplexer in mid-IR wavelengths using triple-core photonic quasi-crystal fiber Optics Communications”, Elsevier Publishing, Volume 481,126556 Impact Factor: 2.125, February 2021.
8. **T.J.Jeyaprabha, G.Sumathi** “A Pragmatic Study on Hybrid-Crypto-Coding Schemes for Secure Data Access”, Journal of Internet Technology, Volume 22, (2021), No. 2, pp. 371-384. Open Access, peer reviewed journal. Cite Score: 1.3, Impact Factor - 0.786 March 2021.

Faculty Publications –Conferences

1. **Jeyaprabha.T.J , Sumathi.G., Aaron Jerin Roger, R. Gurucharan** “Automated Efficient Space Handling Parking System Using IOT & Quantum Cryptography’, International Conference on Smart Technologies in Electric Vehicles and Power Grid (STEP-2021) AICTE-SVCE. Department of EEE, Sri Venkateswara College of Engineering, 27th to 29th Jan 2021.

2. **Jeyaprabha.T.J, Sumathi.G., Ahila.S , Deepika.S, Jaya Varshini.P.** “Detection and Prevention of DDoS Attacks in IOT International Conference on Smart Technologies in Electric Vehicles and Power Grid (STEP-2021)” AICTE-SVCE, Department of EEE, Sri Venkateswara College of Engineering 27th to 29th Jan 2021.

3. **P.Arul, R.Gurucharan, Aaron Jerin Roger, VS Gowtham,** “Optimised Portable Beverage Maker with Voice Recognition, Fruit Classification, Battery Efficiency with QAHE and Automated Dry-Cleaning Mechanism, International Conference on Smart Technologies in Electric Vehicles and Power Grid (STEP-2021)” AICTE-SVCE, Department of EEE, Sri Venkateswara College of Engineering 27th to 29th Jan 2021.

Patents filed

Dr.P.Ashok, Assistant Professor filed patent titled “*ARTIFICIAL INTELLIGENCE BASED PREDICTION OF DRIVING BEHAVIOUR WITH PASSENGER WHILE DRIVING*” on 22/02/2021 with patent application number 202141007422. Date of Publication: 26/02/2021

Funded Projects

Dr.P.Jothilakshmi, Prof, ECE department, PI, Ms.B.Hemalatha and Ms.C.Gomatheeswari Preethika, Assistant Professor received grant of Rs.4,10,000/- from TNSCST for the project titled Automated Weed Control Using Swarm of Robots for a period of 2 Years.

Books Published

Dr.R.Gayathri Off-Line Tamil Handwritten Character Recognition Based on Convolutional Neural Network with VGG16 and VGG19 Model. Advances in Automation, Signal Processing, Instrumentation, and Control, Springer Nature Singapore Pte Ltd 2021, March 2021.

Students Achievements:

Mr. Hari Keshav S K won First Prize and received the Cash Prize of Rs.500/- in Idea Jam organized by SVCE ACM Students’ Chapter on 28/03/2021.

Events Organized:

The ECE Association organized a talk on the topic “Hacks to get marquee offers” delivered by Mr Abishek Babu, CEO - Studymonk, Babu on 30th January 2021.

Dr. A. Anandavadivel, Associate Professor, Dept. of Applied Physics, SVCE delivered lecture on “Metamaterials Applicable for Antenna Design” on 11/03/2021 at Sri Venkateswara College of Engineering on account of The National Science day.

The IETE Student's Day was organized by IETE Chennai Centre. It was held for three days from 30/01/2021 to 01/02/2021. Two inter-college events namely, Tech Abstraction and Tales from the Tech World were held on 30/01/2021. A workshop on Image Processing with Open CV and Python was held on 31/01/2021. A seminar on "Electromagnetic Interference and Compatibility Issues and the Measurements in Anechoic Chamber" was delivered by Dr.M.Murugan, Vice Principal, SRM Valliammai Engineering College.



Ease The Error 2.0 was a 24-Hour national level hackathon, was organized by SVCE-ISF and Forum Of Data Science Engineers (FODSE) SVCE in association with IETE Chennai Centre and ISF of Jeppiaar Institute of Technology, Veltech Multitech Dr.Rangarajan, Dr.Sakunthala Engineering College, SRM Easwari Engineering College, Panimalar Institute of Technology and SRM Institute of Science and Technology.

3 Day online workshop on "Introduction to MATLAB for Beginners" at SVCE from 15/03/ 2021 to 17/03/2021.

Webinar on "Design and Develop your own High Power Audio amplifier system for Home theatre, without any ICs" at SVCE on 01/03/2021.