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

Faculty Publications

R.Bhuvaneswari, Dr.S.Ganesh Vaidyanathan "Classification and grading of diabetic retinopathy images using mixture ensemble classifiers" Journal of Intelligent and fuzzy systems XX (20XX)x-xx,DOI:10.3233/JIFS-211364.

P.Sharon Femi, Dr.S.Ganesh Vaidyanathan and A.Kala, "Integrating fuzzy constraint with feature correlation for local outlier mining" Sadhana, published by the Indian Academy of Sciences.

Buvaneswari, P.R., Gayathri, R "Detection and Classification of Alzheimer's disease from cognitive impairment with resting-state" fMRI Neural Computing and Applications August 2021.

Sherinshibi, R.Gayathri "Onboard target detection in hyperspectral image based on deep learning with FPGA implementation", Microprocessors and Microsystems, ISSN 0141-9331, July 2021.

T.J.Jeyaprabha, E.Kavya, V.Maurya, K.Nitish "Robot Automation Algorithms" in IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) VOLUME-16 ~ ISSUE-4,impact factor 3.12, August 2021.

SNR Kalli, T Suresh, A Prasanth, T Muthumanickam, K Mohanram "An effective motion object detection using adaptive background modelling mechanism in video surveillance system Journal of Intelligent &Fuzzy Systems" 41 (1), 1777-1789 August 2021.

P.Vinayagam, P.Anandan and N.Kumaratharan, "Image Denoising Using a Nonlinear Pixel-Likeness Weighted-Frame Technique Intelligent Automation and Soft Computing", Vol. 30, No.3, pp. 869-879, 2021, ISSN: 2326-005X (online), August 2021.

Suresh K and Kumaratharan N "Call Admission Control Decision Maker Based on Optimized Fuzzy Inference System for 5G Cloud Radio Access Networks Wireless Personal Communications", 120, 749–769(2021). https://doi.org/10.1007/s11277-021-08487   September 2021.

G.A.Sathish Kumar and B. T. Shobana I-Quiz: An Intelligent Assessment Tool for Non-Verbal Behaviour Detection Journal of Computer Systems Science and Engineering doi: 10.32604/csse.2022.019523 September 2021.

Dr.P.Jothilakshmi, R.MohanaSundaram "Compact Elliptical Spiral Antenna for C band Applications Journal of Chengdu University of Technology" (Science and Technology Edition) August 2021.

International/National Conference

Keshav E, ManasReddi K, Pritam A, Dr.Muthukumar S "Cache Performance Optimization Using Logical Cache Segmentation" 2021 Asian Conference on Innovation in Technology (ASIANCON) Pune, India, Aug 28-29,2021.
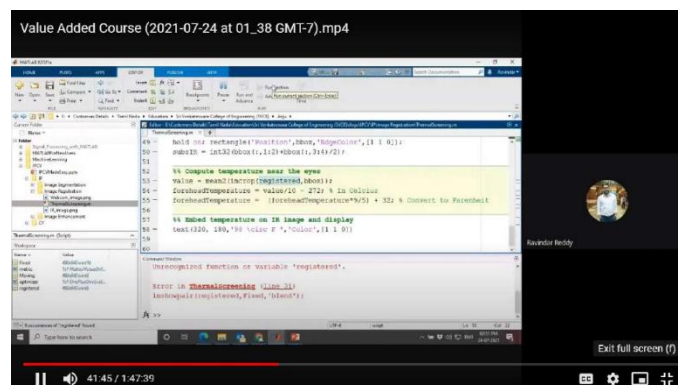
Abirami Sivakumar, MohdShahid, Dr.Muthukumar S, Anirudh Balaji Deep Tracking from Aerial Platforms 2021 Asian Conference on Innovation in Technology (ASIANCON) NIL Pune, India. Aug 28-29, 2021.

Dr.P.Jothilakshmi, R.MohanaSundaram "Implementation of Phased Array Antenna for Meteorological Applications International Arslantepe Scientific Research Congress Organized by ISARC (International Science and Art Research Center)" Malatya, Turkey 18/09/2021 to 19/09/2021.

Dr.P.Jothilakshmi, R.MohanaSundaram "Design of Phased Array Antenna for X Band Applications International Marmra Scientific Research and Innovation Congress", Organized by ISARC (International Science and Art Research Center) Istanbul, Turkey 21/08/2021 to 22/08/2021.
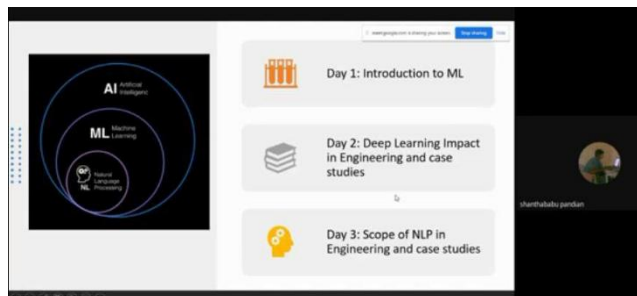
Events Organized

Value added course 18702 Signal Processing Using Simulation Tool was offered to III-year students. The course with weightage of credit 2, duration 30 hrs was planned in two phases of 15 hrs each from 19/07/2021 to 24/07/2021 and 02/08/2021 to 07/08/2021.

Dr.V.Srinivasa Chakravarthy, Professor, Department of Biotechnology, IIT-Madras delivered a lecture on "Motivation and Career Guidance" at SVCE on 2/9/2021.

Three-day national level workshop on "Centroid of Engineering in AI and ML" was organized at SVCE from 12.8.2021 to 14.8.2021.
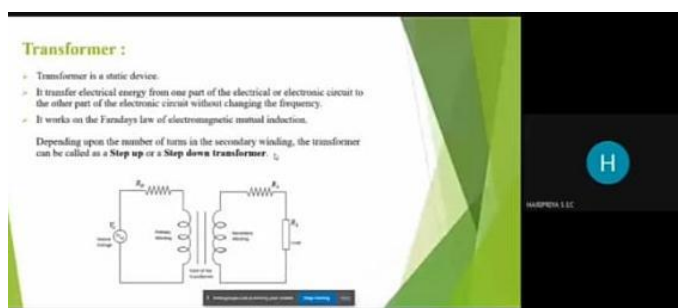

The inauguration of ECE Association & IETE Students Forum (ISF) for the academic year 2021-22 was conducted on 18/09/21(Saturday) through virtual mode between 10-11.30 AM The Chief Guest for the ceremony was **Dr.Joseph Gladwin**, Technical Manager, Bigcat Wireless, IIT Research Park.
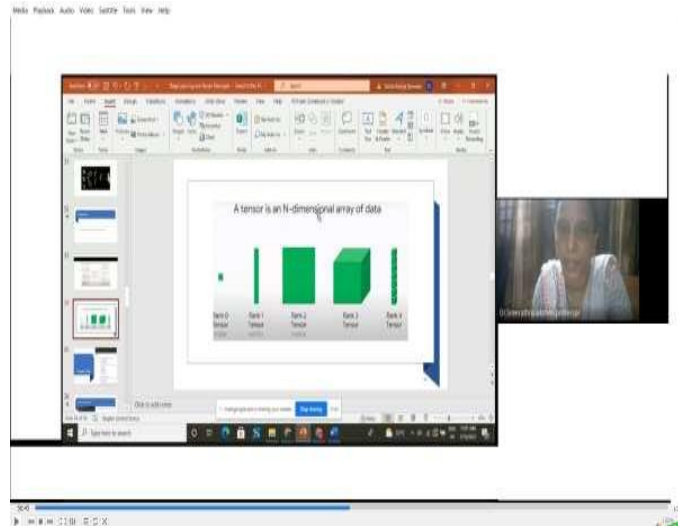
Ms.Preethi Venkatesan, an alumnus of batch 2010-14, Sr.AI Scientist, Target has delivered a Webinar titled 'Career in Data Science' on 25/09/2021.

The ECEA in association with SVCE-ISF and RAIC club conducted a Quiz competition titled "Techentro "on 19/09/2021.

The ECEA in association with SVCE-ISF and RAIC club conducted a one-day Arduino workshop titled "Techentro" on 18/09/2021. The mentors took the students through a short, interesting, and interactive session on general programming and Internet of Things (IoT).

The Department of ECE organized, a Webinar on "Introduction to Deep Learning – Tensor Flow Basic – Hands on" on 19-07-2021.

Faculty Participation in STTP/Workshop/FDP

Dr.P.Jothilakshmi, Prof/ ECE **Mrs.B.Hemalatha**, **Mrs.C.Gomatheeswari Preethika**, AP, ECE, attended a Tamil Nadu State Government Sponsored Five Days online FDP on "Microwave Engineering" organized by Government College of Technology from 2/8/2021 to 6/8/2021.

Mrs.K.Srividhya, AP, ECE Attended AICTE-ISTE Sponsored Faculty Development Programme on "Emerging Trends in Automation" organized by Periyar Maniammai Institute of Technology from 22/7/2021 to 28/7/2021.

Mrs.D.Menaka, AP/ECE Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Ability and Inability of AI organized by Gandhi Institute For Technology from 21/06/2021 to 25/06/2021.

Dr.S.Vijayanand, **Dr.S.Veluchamy**, AP/ECE, participated in a FDP on "Triumvirate of Future of IT-AI, IOT & Cloud Technologies" organized by Sri Sairam Institute of Technology from 16/8/2021 to 21/8/2021.

Dr.A Prasanth, AP/ECE, participated in a Two weeks International FDP on Technology Insights on IoT, Artificial Intelligence and Data Science organized by SRM Easwari Engineering College from 18/08/2021 to 28/08/2021.

Lectures Delivered by Faculty Members

Dr.S.R.Malathi completed System Design through VERILOG (8 Week) NPTEL course and obtained Elite Certificate during July 2021 to September 2021.

Students Achievements

Budding bright Engineer award was given by the alumni association to **Ms. HARITHA D** of II-year ECE A and Mr. MOHANRAJA C of II-year ECE B.A cash award of Rs. 2500/- and a certificate was awarded to them on 15th August 2021.

M.Kishore, III year ECE B had developed Mobile Application front end UI using Flutter and handled two real time projects on Subscription Manager and Covid Vaccine slot app. He has obtained much appreciation on his performance and stipend of Rs 10000/- as well.

Vaishnavi M and Deepika K participated in Govt Essay Competition Kamarajar Port Limited on 12/7/2021 and won First place.

LAKSHANA S of II year ECE participated in Impetus and came Finalist among 200+ participants on 2.8.2021.