





Second International Conference on  
**VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems**  
**(VSPICE-2020)**

(Under the Aegis of ICETE 2020 Multi-Conference Platform)

**SCHEDULE**

<b>Date: 22<sup>nd</sup> December 2020</b>	
<b>Keynote Address</b> <b>Time: 10:30 AM – 11.30 AM</b>	
Keynote Address  <b>Dr. U. C. Niranjan</b> Director of Research and Training Manipal Dot Net Manipal, Karnataka	
<b>Date: 23<sup>rd</sup> December 2020</b>	
<b>Keynote Address</b> <b>Time: 9:30 AM – 10.30 AM</b>	
Keynote Address  <b>Prof. Pey Kin Leong</b> Singapore University of Technology and Design Singapore	

Date: 22 <sup>nd</sup> December 2020		Time: 11:30 AM – 1:30 PM
Session 1 Stream: Communication		
Paper ID	Paper Title	Registered Author
2	Circularly Polarized E-shaped patch antenna for AWS, FMS & MSS applications	Aditya Chinchole YCCE, Nagpur, India
27	Enhancement of performance of Round-Trip time using Kalman Filtering	R. P. Puneeth NMAM Institute of Technology, Nitte, India.
35	Performance Analysis of TCP in presence of nonresponsive traffic in wireless Networks	N. G. Goudru Nitte Meenakshi Institute of Technology, Bangalore, India.
36	Microstrip patch Antenna Analysis for 5 G Millimeter-Wave Communication: A Survey	Pallavi H. V. Government Engineering College, Hassan.
72	Analysis of Power Adaptation Techniques over Beaulieu- Xie Fading Model	Veenu Kansal Punjabi University Patiala, Patiala.

Date: 22 <sup>nd</sup> December 2020		Time: 2:00 PM – 4:30 PM
Session 2a Stream: Signal Processing		
Paper ID	Paper Title	Registered Author
3	Bayes' Classifier for Mapping Intermediate and Heterogeneous RS Imagery	Shivakumar B R NMAM Institute of Technology, Nitte.
37	Kannada Text-to-Speech System using MATLAB	Pearl Infancia D'souza NMAM Institute of Technology, Nitte.
41	Generation of ECG for Heart Block Cases	Venkatesh Nayak N.M.A.M.Institute of Technology Nitte.
52	Land Cover Mapping Capability of Chaincluster, K-Means, and	Karthik

	ISODATA Techniques – A Case Study	NMAM Institute of Technology, Nitte.
61	Human Body Measurement Extraction from 2D images	Sachin S Bhat Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal
63	Generation of ECG Arrhythmias using Fourier Analysis	Paresh Praveen, Samartha B., Vaibhav R. Pai, Namith Rao M. N. M. A. M. Institute of Technology, Nitte.

<b>Date: 22<sup>nd</sup> December 2020</b>		<b>Time: 2:00 PM – 4:30 PM</b>
<b>Session 2b</b>		
<b>Stream: Signal Processing</b>		
<b>Paper ID</b>	<b>Paper Title</b>	<b>Registered Author</b>
22	Amalgamation of Neural Network and Genetic Algorithm for Efficient Workload Prediction in Data Center	Pushpalatha R VTU Center for PG Studies, Mysuru.
29	Automatic Modulation Classification using Cumulants and Ensemble Classifiers	M.Venkata Subbarao Shri Vishnu Engineering College for Women(A), AP.
33	Dimensionality Reduction using PCA for Lecture Attendance Management System	Ramaprasad Poojary School of Engineering and IT, MAHE, Dubai campus
34	Automatic Modulation Recognition using Machine Learning Techniques: A Review	Venkateswara Rao N. JNTU, Kakinada, Andhra Pradesh.
38	Image based Crack detection of Building Structures using Convolutional Neural Networks	Nagashree B. K. Adichunchanagiri Institute of Technology Chikkamagaluru.
51	Underwater Marine Life and Plastic Waste Detection Using Deep Learning and Raspberry Pi	Rahul Hegde NMAM Institute of Technology, Nitte.
55	Development of an Automated Plant Classification System using Deep Learning Approach	Ananth Pai K. NMAM Institute of Technology, Nitte.

Date: 23 <sup>rd</sup> December 2020			Time: 11:00 AM – 1:30 PM		
Session 3a					
Stream: Signal Processing					
Paper ID	Paper Title			Registered Author	
9	A Study on the Effect of Dimensionality Reduction on Classification Accuracy of Myoelectric Control Systems			Praahas Amin Mangalore University, Mangalore.	
43	Iterative Thresholding based Spectral Subtraction Algorithm for Speech Enhancement			Raj Kumar Indian Institute of Technology Roorkee, Roorkee.	
56	Design and Implementation of Multi-Class Logistic Regression for Effective Classification of Low, Medium and High-Risk Lung Cancer Problem			Shivaprasad Vivekananda College of Engineering and Technology, Puttur.	
64	A Survey on Methodologies and Database used for Facial Emotion Recognition			Shashank M Gowda Yenepoya Institute of Technology, Moodbidri.	
66	A Comparative Analysis of Statistical Model & Spectral subtractive Speech Enhancement Algorithms			Rohith K. NMAM Institute of Technology, Nitte.	
69	Visual Cryptography using Hill Cipher and Advanced Hill Cipher Techniques			Jagadeesh Basavaiah Vidyavardhaka College of Engineering Mysuru.	
Date: 23 <sup>rd</sup> December 2020			Time: 11:00 AM – 1:30 PM		
Session 3b					
Stream: VLSI and Embedded Systems					
Paper ID	Paper Title			Registered Author	
14	An Efficient Low Power MEMS Based Microfluidic Device for the Segregation of Different Blood Components			Ranjith B Gowda SOE, Dayananda Sagar University, Bengaluru.	
25	Pressure Sensor Based On 2-Dimensional Photonic-Crystal Ring Resonator			Lakshmi D. L. BGS Institute of Technology, B. G. Nagara.	
45	Implementation of Cryptographic Algorithm (One-Time-Pad) with a RISC-V processor			Priyanka Ashok Kurkuri K.L.E. Technological University, Hubli.	
46	Implementation of a Hebbian learning algorithm as an accelerator to a RISC-V based processor			Rashmi Kubsad K.L.E. Technological University, Hubli	
47	Design and Implementation of Agricultural Drone for Areca Nut			Raju Hajare	

	Farms	BMS Institute of Technology and Management, Bengaluru.
53	Microcontroller based control circuit for the automatic orientation of solar panels in the direction of sun	Jayashree A. NMAM Institute of Technology, Nitte.
59	Voice Controlled IoT Based Grass Cutter Powered By Solar Energy	Mahadevaswamy Vidyavardhaka College of Engineering, Mysuru.

<b>Date: 23<sup>rd</sup> December 2020</b>		<b>Time: 2:00 PM – 4:30 PM</b>
<b>Session 4</b>		
<b>Stream: Power and Control Engineering</b>		
<b>Paper ID</b>	<b>Paper Title</b>	<b>Registered Author</b>
21	Design of a Bipedal Robot	Yashvardhan C. N. Siddaganga Institute of Technology, Tumkur.
30	Testing & Analysis of Internal and External LED Drivers	Ramaprasad Poojary Manipal Academy of Higher Education, Dubai, UAE-345050
31	Automation Testing and Validation of Electric Drive System	Raqheeba Taneem NMAM Institute of Technology, Nitte.
40	Design of Dynamic induction charging vehicle for glimpse of future: cutting down the need for high-capacity batteries and charging stations	Balakrishna K. Maharaja Institute of Tecnonolgy Mysuru.
65	Intensity Based Feature Extraction of Real Time Transformer oil Images	C. M. Mahesan Research scholar, VTU-RRC, Mysuru
68	Design of Electronic Instrumentation for Isotope Processing	Arunprasath V, Research Reactor Design & Projects Division, Bhabha Atomic Research Centre, Mumbai.