

**3rd International Conference on  
Electronic Systems, Signal Processing and Computing Technologies**

**ICESC-2020 (Online)  
4th-5th December, 2020**

Organized by  
Department of Electronics & Communication Engineering

**SCHEDULE OF CONFERENCE**

Day 1- 04/12/2020											
Date	Time	Event									
04th December 2020	10.30 AM to 11.15AM	Formal Inaugural Function									
	11.30 AM to 12 PM	Keynote Address BY - Mr. Chandru Iyer, Head of Business Development - South Asia, Great Thornton, UK LLP									
		Topic: The Technology Courdnum: Time to Market vs Market Needs									
		Session 1 - Communicating Technologies Track									
		Time Slots	Paper ID	Paper Title	Authors	Session Chair	Co-Chair	Faculty Coordinator			
		12:00pm to 12:15pm	3	Parametric Variations of Rectangular Microstrip patch antenna designed for WLAN Application	Archana Tiwari, Dipika Sagne	Dr. Prabhat Sharma, VNIT	Dr. S B Pokle, RCOEM	Prof. D.D.Shrivastava			
		12:15pm to 12:30pm	12	BANDWIDTH-ENHANCED OF SIW CAVITY-BACKED SLOT ANTENNA BY PERTURBING TE <sub>210</sub> CAVITY MODE	Bollavathi Lokeshwar, Dorai Venkatasekhar, Alapati Sudhakar						
		12:30pm to 12:45pm	14	An approach to reduce Vehicular Traffic data Dissemination delay using VDDRA (Vehicular Destined Resolution Algorithm)	Lokesh M. Heda, Vishal R. Rathee						
		12:45pm to 01:00pm	19	Joint Beamforming and Nullforming with PSO in Distributed MIMO :An Optimization Approach	Jagdish D. Kene, Mridula S. Korde, Deepali M. Kotambkar, Ajinkya P. Nilawar						
		01:00pm to 01:15pm	24	Overview On Optimization Methods of Rectangular Dielectric Resonator Antenna	V. Lakshmi Parvathi, Rajesh. B. Raut, Biswajeet Mukherjee						
		01:15pm to 01:30pm	33	Design and Implementation of AES Data Security Protocol	Dinesh B. Bhojar, Swati K. Mohod, K. D. Kulat, S.S. Khade						
		01:30pm to 01:45pm	70	Performance Comparison of Adhoc on Demand Distance Vector Routing Protocol in Wireless Sensor Network	Poonam T. Agarkar, Manish D. Chawan, Pradeep T. Karule						
		01:45pm to 02:00pm	71	An Advanced Trust-Based Routing Protocol for MANET under Black-hole Attack	Manish Devendra Chawhan, Swapnil Bhalsagar, S. B. Pokle, Ahsaf Umar Khan						
		02:00pm to 02:30pm	Break								
		02:30pm to 03:30pm	Plenary Talk By - Mr.Chetan Hiremath, Senior Principal Engineer at Intel Corporation, USA								
		Topic : 5G- Confluence of Communication and Computing									
		Session 2 - Signal Processing & Engineering Practices during pandemic									
		Time Slots	Paper ID	Paper Title	Authors	Session Chair	Co-Chair	Faculty Coordinator			
	03:30pm to 03:45pm	52	Weight Maps Guided Underwater Image Enhancement By Fusion Technique	Saloni Tarhate, Richa R. Khandelwal	Dr. Deep Gupta, VNIT	Dr. M.S. Korde, RCOEM Nagpur	Prof. N M Borkar				
	03:45pm to 04:00pm	67	A Survey on Image Steganography Techniques	Bhumika Neole, Pallavi Parlewar, Prerana Jain, Akshita Samant, Vedant Khire, Radhika Sainani							
	04:00pm to 04:15pm	68	Brief Review of Short Utterance Speaker Verification Systems	Asmita Nirmal, Deepak Javalswal							
	04:15pm to 04:30pm	77	Low Power Complex Multiplication using Pre-computation Technique For FFT Algorithm in Wearable ECG Gadgets	Pankaj U Joshi, Vipul S Lande							
	04:30pm to 04:45pm	31	A Review of Designing Ventilators using Different Mechanisms	Monika Bhole, Kritika Jain, Advait Kolse, Pallavi Gadewar, Dr. B.M.Hardas							
	04:45pm to 05:00pm	54	A Review of FACS: Fluorescence Activated Cell Sorting System	Aishwanya Agrawal, Dr. Deepak Khushalani, Prof. (Mrs.) Ankita Harkare, Prof. (Mrs) Rakshal Agrawal							
Day 2- 05/12/2020											
Date	Time	Event									
05th December 2020	09:30am to 10:30am	Plenary Talk By - Mr.Akhilesh Yede,Vice President, Head of Engineering - Airtel Xiabs IoT									
		Topic : IoT Applications in Telecommunication									
		Session 3 - VLSI & Embedded									
		Time Slots	Paper ID	Paper Title	Authors	Session Chair	Co-Chair	Faculty Coordinator			
		10:30am to 10:45am	23	Z-source DC- DC Converter for low power application in Micro grid operation	Dr Sangita H Deshmukh, Dr D R Tutakne	Dr. Rahul Mapani, PCCOER, Pune	Dr. Meghna Hasamnis, RCOEM	Prof. Prasheel Thakre			
		10:45am to 11:00am	35	Fault Tolerant Triple Modular System Using FPGA	Prof Shubham Anjankar, Dr. Parag Jawarkar						
		11:00am to 11:15pm	36	Water Wastage Control & Monitoring System For Railway Coaches using IoT	Dr. Parag Jawarkar, Shubham Anjankar						
		11:15am to 11:30am	37	DC-DC High Voltage Multiplier for Small Satellite GPR	Ravi K Tanti, Saurabh Warathe, SharmikAdmane						
		11:30am to 11:45am	42	MEMS disk resonator for 5G application: an analytical case study	Varad C. Joshi, Mandar M. Pimparkar, Prasanna P. Deshpande						
		11:45am to 12:00pm	44	STUDY AND DEVELOPMENT OF FUEL ADULTERATION DETECTION SYSTEM	Harsh Mahajan, Geetesh Mokhare, Prof. Ankita H. Harkare, Dr. Deepak G. Khushalani, Dr. B.A. Neole, Prof. Rakshal Agrawal						
		12:00pm to 12:15pm	45	A Review of an Intelligent system for detection of potholes and humps	Dinesh B. Bhojar, Swati K. Mohod						
		12:15pm to 12:30pm	51	An IoT Based Car Parking System for Supermarkets	Prasenjeet Damodar Patil, Pradip Ram Selokar						
		12:30 to 12:45pm	60	Disease Diagnostic System: Abnormalities in Human Nail	Pranav S.Wazarkar, Akhilesh R.Tiwari, Richa R. Khandelwal						
		12:45pm to 02:00 pm	Break								
		02:00pm to 03:00 pm	Plenary Talk By -Mr. Shobhit Joshi, Offering Strategic Leader - Telco & Enterprise Networks (5G & Edge), IBM								
		Topic : Cloudification of Telco/5G Networks									
		Session 4 - Intelligent System									
		Time Slots	Paper ID	Paper Title	Authors	Session Chair	Co-Chair	Faculty Coordinator			
	03:00pm to 03:15pm	9	Intelligent Agent for Automatic Engineering Diagram Digitization with Deep learning	Premanand Ghadekar, Shaunak Joshi	Dr. M. B. Chandak, RCOEM Nagpur	Dr. P.K. Parlewar, RCOEM	Prof. Ankita Harkare				
	03:15pm to 3:30pm	16	EMG Based Emotion Recognition in Indian Classical Dance	Shradha A. Mithavkar, Milind S. Shah							
	03:30pm to 03:45pm	22	A Multi-Class Classification based approach for Remaining Useful Life (RUL) Prediction of Li-Ion Battery	Yuvraj Gupta, Partho Ghosh, D.J. Dahigankar, P.A. Dwaramwar							
	03:45pm to 04:00pm	39	Hyperspectral Image Classification Using CNN12	Ruhkesh Dhande, Dr. Rohit Miri, Dr. S.R.Tandan							
	04:00pm to 04:15pm	40	Content-Based Image Retrieval Using Customized Convolutional Neural Network	A.P.Nilawar, C.G.Dethe A.Jaiswal, J.D.Kene							
	04:15pm to 04:30pm	41	Performance Evaluation of Content-Based Image Retrieval Using Block Truncation Coding and CNN	A.P.Nilawar, C.G.Dethe							
	04:30pm to 04:45pm	Tea Break									
	03:00pm to 03:15pm	48	Detection of plant leaf by image processing using MATLAB	Kanchan Dhote, Kartik Inole				Dr. D. Shrimankar, VNIT Nagpur	Dr. Avinash Agrawal, RCOEMI	Prof. Ashlesh Jaiswal	
	03:15pm to 3:30pm	53	Low Power & Area Multiplier for Deep Learning Applications	Gouri Morankar							
	03:30pm to 03:45pm	57	Detection and Classification of Traffic Signs for Driverless Cars	Palash P. Thakur, Sharayu R. Choudhari, Vikas R. Gupta							
	03:45pm to 04:00pm	58	Indoor Fire Localisation using WSN and Fire Map Generation for Industrial Environment	Athava R Karpate, Piyush P Agarwal, Ashlesh A. Jaiswal							
	04:00pm to 04:15pm	62	Depth Estimation using FCNN	Pallavi Parlewar, Siddhant Waghmare, Bhumika Neole, Manoj Sarve							
	04:15pm to 04:30pm	72	An Approach To Detect Sentence Level Sarcasm Using Deep Learning Techniques	Amruta K. Chimote, S.R. Tandan, Rohit Miri							
	04:30pm to 04:45pm	74	Development of an Approach for Discourse Analysis for Natural Language	Animesh R. Tayal, S.R. Tandan, Rohit Miri, M. A. Tayal							
	5.00 PM	Valedictory									