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On
Research and Innovations in Science, Engineering & Technology (ICRISET -2020)
04-05 September 2020
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(Engineering College)
(An Autonomous Institution)
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Vallabh Vidyanagar, Anand, Gujarat, India-388120
EC / EL Track Schedule - Day 1

Theme	Sub-Theme	Google Meet Link	Session ID	Session Date /Day /Time	Paper ID	Title	Authors
EL & EC Track	Antenna, Communication	https://meet.google.com/iym-uhfq-pgv	ELEC04_VR1	04th September, 2020 Friday 12:30 pm to 2:30 pm	19	RF energy harvesting system: A review of current status and its challenges	Tanya Thapliyal and Reeta Verma
					119	All Digital Spread Spectrum Clock Generator For Fast Prototyping	Sidharth Sivan and Priyarenjini A R
					274	A Surface Edge Cutout Microstrip Patch Antenna for 5G applications	Priyanshu Rani, Ajani Chandani, Jahnavi Deshmukh and Shahid Modasiya
					283	Analysis Of Various Metamaterial Based Absorber	Dr Jagdish Rathod, Krushi Modi, Parth Kachhadiya, Parul Panchal and Kush Parikh
					285	P-Shaped and Elliptical Slot loaded Wideband Microstrip Antenna for 5G Communication	Anil Poriya, Yagnik Moga, Nandan Patel and Shahid Modasiya
					301	Physical Layer Secured Network Coding Using Polar Codes	Senthil Kumaran V N
					426	Design of Subwavelength Patch antenna using I shaped Metamaterial	Preet Kaur
					87	Enhancement in operating system based on AUTOSAR standard used in ECUs for automotive vehicles	Purva Gokhale and Maruti Jadhav

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EL & EC Track	Embedded system and IoT	https://meet.google.com/loi-ipji-eih	ELEC04_VR2	04th September, 2020 Friday 12:30 pm to 2:30 pm	291	Automatic Bottle Filling System using Arduino and Raspberry Pi with Touchscreen HMI	Avi Patel, Prof. Anish Vahora, Dr. Bhargav Goradiya and Dr. Darshankumar Dalwadi
					336	Design of One Time Learn Multiple Time Execute Task Robot	Anita Bhatt, Ghanshyam Vaghasiya, Savan Chavda, Rumit Patel and Nimesh Metaliya
					343	IOT Based Smart Metering and Prepaid Tariff System	Soumyadeep Mukherjee, Debjyoti Dey, Disha Ghosh and Sarbojit Mukherjee
					352	IoT based Automation of Public Garden and Botanical Garden	Bhaves Pithadiya, Harikrishna Parikh, Dhruvil Vyas and Dr. Hareesh Panday
					353	Development of Portable device for Gesture based Communication for mute person	Dr. Kaushika Patel and Parth Makwana
					356	IoT Based Wastewater Spillage Detection System	Jay Prajapati, Rutvik Patel, Meha Dave, Ishwariy Joshi and Dr. Jagdish Rathod
					176	Analytical Studies Relating to Bandwidth Extension from WB to SWB for Next Generation Wireless Communication	Rajnikant Rathod and Mehfuza Holia
					215	Chi-square statistics based State estimation of Stochastic Hybrid system with missing measurements	Robinson Paul, Vishvijit Thakar and Hetal Patel

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EL & EC Track	Deep Learning, Machine Learning, Image Processing	https://meet.google.com/smc-qfdu-mpf	ELEC04_VR3	04th September, 2020 Friday 3:00 pm to 5:00 pm	86	ADVERTISEMENT DETECTION USING TRANSFER LEARNING AND SUPPORT VECTOR MACHINE	Namrata Dave and Dr. Mehfuza Holia
					101	Review Paper on Cancer Cell Detection using Mathematical Algorithm	Vatsal Shah, Ghansyamkumar Rathod and Neel Macwan
					138	Classification of Radio Signals with 2D Convolutional Neural Network Approach	Dr. Bhargav C. Goradiya, Rohitkumar Shah and Neel Macwan
					172	Intelligent Farming and Crop Protection using Machine Learning	Amit Choksi, Kaushal Patel, Prakash Odedra and Herry Makawana
					247	Facial Emotion Recognition using deep learning	Viny Selopal and Deepak Vala
					354	Performance analysis of Rice Grains Using Neural Network	A.H. Bhensjaliya and Dr. Darshankumar Dalwadi
					369	Smart-UPS with a priority-based load management system	Prince Bharti, Abhijeet Singh, Mitranishu Raj, Ankit Sonee, Ashutosh Singh and Pushpendra Singh
					193	The Statistical Approach and Overview in Detection of Cancer Cells based on FFT and DWT employing Genomics Signal Processing Techniques on DNA.	Prof. Ghansyamkumar B Rathod, Vatsal Shah, Neel Macwan, Harsh Navadiya and Deep Sakhiya
					421	Sign Language Detection using Deep Learning	Tanushree Pardhi, Smit Patel and Zankhana Shah

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EL & EC Track	Embedded system and IoT	https://meet.google.com/ecm-xxiz-nvq	ELEC04_VR4	04th September, 2020 Friday 3:00 pm to 5:00 pm	7	Biometric Cashless Payment System	Twinkle Phukan, Parth Tiwari, Ghansyamkumar Rathod and Shreyans Patel
					16	Novel Parking Management in Urban Areas	Muskan Gupta, Gautam Vivekanandan and Dr. Bhargav C. Goradiya
					18	Intelligent and Multipurpose Smart Pole	Mrudang Oza, Lav Hinsu and Dr. Bhargav C. Goradiya
					90	A Virtual BioSignals Analyzer	Dr. Bhargav C. Goradiya, Vatsal Shah, Nisarg Patel, Yagnik Mehta and Neel Macwan
					174	Unified System for Patient Medical History	Gautam Vivekanandan, Muskan Gupta and Ghansyamkumar Rathod
					182	Survey on various ECG Segmentation Techniques	Dhruv Patel, Mayur Sevak, Vatsal Shah and Parixit Mishra
					113	Voice Controlled Guided System for Wheelchair with Collision Detection and Avoidance	Purvi Chhowara and Ghansyamkumar Rathod
					184	Application based approach to track people and deliver the necessities at home during COVID-19 lockdown	Vedant Dokania, Mayur Sevak, Dev Patel and Pratham Barve

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EL & EC Track	Embedded system and IoT	https://meet.google.com/pmd-azsd-sri	ELEC04_VR5	04th September, 2020 Friday 3:00 pm to 5:00 pm	186	IoT Based 3-Dimensional GPS Tracking System	Shreyans Patel and Ghansyamkumar Rathod
					105	Design and Implementation of Generic Embedded Logic Flip Flop in 90nm Technology	Mukesh Ga Reddy and A R Priyarenjini
					200	Behavioral Analysis of Embedded Linux Device Drivers on BeagleBone Black	Jignesh Patoliya, Sagar Patel, Miral Desai and Ninad Desai
					238	E-Guide with Tracking System	Swati Shrimali, Nidhi Bhatt, Keyur Chauhan and Deepak Vala
					266	Smart Accident Detection and Alert System for Emergency Medical Assistance	Ritupriya Nandy, Saloni Gajjar, Dhruvika Vankar, Tanmay Pawar and Mehfuza Holia
					275	Low-Cost Asset Tracking and Inventory Management System (ATIM)	Vivek Vadi, Ayush Kotadiya, Rajdipsinh Solanki and Mohan Khambalkar
					276	Use of Kilobots in Object Detection	Karan Shah, Satish Gareja Gareja, Sachin Katharotia, Mohan Khambalkar and Kaushika Patel
					288	SPEECH TO BRAILLE LANGUAGE ENCODING FOR BLIND PEOPLE	Ajaykumar Daiya, Faizan Patel and Krina Sheth

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EL & EC Track	VLSI, wireless and satellite communication	https://meet.google.com/oxu-yfku-kcq	ELEC04_VR6	04th September, 2020 Friday 3:00 pm to 5:00 pm	3	Analysis of Edge detection algorithms using Zynq based SoC FPGA	Chintan Patel, Neel Solanki and Neel Tailor
					8	Wireless Sensor Networks and its application for Agriculture	Kirankumar Bendigeri
					14	SMART ELECTRONIC WIRELESS COMPANION FOR MEDICAL ASSISTANCE	Dr. Bhargav C. Goradiya, Krushil Rajeshkumar Mehta and Siddhanth Balakrishna Pai
					168	Wideband Fractal Antenna for Wireless Applications	Shreyans Patel, Anish Vahora, Ronak Vashi and Killol Pandya
					227	Four rectangular shaped DRA array for wireless and satellite communication	Inderjeet Singh Sehra, Soham Joshi, Anishbhai A. Vahora and Ronak Rajendrakumar Vashi
					366	REALIZATION OF OTRA BASED FIRST ORDER AND SECOND ORDER LOW PASS FILTER AND HIGH PASS FILTER AND THEIR DIFFERENT ANALYSIS	Pradeep Vishwakarma and Subhasish Banerjee
					392	Analysis of C band polarization-independent low-profile microwave absorber design for stealth application.	Nitinkumar Bathani and Jagdishkumar Rathod