

| ICDECT 2020 Selected and registered papers list | | | |
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| S.No. | PAPER_ID | TITLE | Authors Names |
| 1. | ICDECT_2020_paper_1 | Innovative Light Management System for Outdoor Applications | Dr. B. Rama Devi, Dr. K. Ashoka Reddy |
| 2. | _paper_2 | Authentic user based luminary intensity control system | Dr. K. Ashoka Reddy , Dr. B. Rama Devi |
| 3. | _paper_25 | A simple method to detect partial shading in PV systems | U. Malavya, R. Chander K. Sumalatha |
| 4. | ICDECT_2020_paper_29 | Capsule Networks for Classifying Conflicting Double-Handed Classical Dance Gestures | Shailesh S , Dr. Judy M V |
| 5. | ICDECT_2020_paper_32 | Wormhole Attack Detection in Wireless Sensor Network Using SVM and Delay Per-Hop Indication | Asmita Singh, Atul Kumar Sah, Arun Singh, Bhavnesh Jain and S. Indu |
| 6. | ICDECT_2020_paper_36 | Performance enhancement of dielectric pocket based Dual Gate FinFET | Vikram Singh, Kshitij Sharma, Pradeep Kumar and Aditya Mudgal |
| 7. | ICDECT_2020_paper_38 | Cooperative Spectrum Sensing for PU Detection in Cognitive Radio using SVM | Surendra Solanki, Vasudev Dehalwar, and JayTrilok Choudhary |
| 8. | ICDECT_2020_paper_61 | Number Plate Detection Using Morphology and Geometrical Properties | Vangala Sneha and Narasimha Reddy Soora |
| 9. | ICDECT_2020_paper_70 | Fast And Robust Segmentation Of Images Using Frcfm Clustering With Active Contour Model | Ravali Dupati and Suresh Enagandula |
| 10. | ICDECT_2020_paper_72 | A Microstrip Patch Antenna Design with Two Ground Slots for 5G Mobile Applications | Meghana Florence Lakkapaka, M.S Anuradha, B Komuraiah, Raju Veerat |
| 11. | ICDECT_2020_paper_75 | An Intelligent ANFIS Controller Based PV Custom Device To Improve Power Quality | Manju Sree Yalamanchili and Angatha Veera Venkata Sudhakar |
| 12. | ICDECT_2020_paper_83 | Privacy by Design Approach for Vehicular TripData using k-anonymity Perturbation | Dr Nanna Babu Palla, Kaladi Govinda Raju, Dr A Vinaya Babu Dr Burugapu Kameswara Rao |
| 13. | ICDECT_2020_paper_88 | Self Powered Implantable device using Thermo Electric Generator with DC-DC Converter for elimination of Bradycardia | Shwetha M and Dr.S Lakshmi |
| 14. | ICDECT_2020_paper_96 | High Performance AXI4 Interface Protocol for Multi-Core Memory Controller on SoC | Ahmed Noami, B. Pradeep Kumar and P. Chandrasekhar |
| 15. | ICDECT_2020_paper_97 | Compensation of Delay in Real Time HILS for Aerospace systems | Lav Sanhith Rao, Dr.P Sreehari Rao, Dr.I M Chhabra and L Sobhan Kumar |
| 16. | ICDECT_2020_paper_120 | Malware Detection System using Ensemble Learning: Tested using Synthetic data | Raghav Kaushik and Mayank Dave |
| 17. | ICDECT_2020_paper_126 | Low Complexity Fused Floating point FFT using CSD Arithmetic for OMP CS System | Radhika Alahari, Satyaprasad Kodati and Kishan Rao Kalitkar |
| 18. | ICDECT_2020_paper_127 | CreepOnto: An Avant-Garde Scheme for Framing and Evaluating Ontologies Using Domain Knowledge of Creep Mechanism | R Shiddhartha, Gerard Deepak and A Santhanavijayan |
| 19. | ICDECT_2020_paper_131 | Analysis of Coupling Transition For The encoded data and Its Logical level power analysis | Vennapusapalli Shavali, Sreerama Reddy G.M and Patel Ramana Reddy |
| 20. | ICDECT_2020_paper_152 | 5G Enabled Industrial Internet of Things(IoT) Architecture for Smart Manufacturing | V Chandra Shekhar Rao, Msb Phridwiraj, S Venkatramulu and Voore Subba Rao |

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| 21. | ICDECT_2020_paper_155 | IoT Enabled Entry in COVID Situation for Corporate Environments | Anil Kumar Sahu, Abhishek Singh and Anil Kumar Sahu |
| 22. | ICDECT_2020_paper_161 | PAPR reduction Scheme for OFDM/OQAM signals using novel phase sequence | Sandeep Vangala |
| 23. | ICDECT_2020_paper_196 | Load Immune Based Stator Incipient Faults Detection Algorithm for Three-Phase Electrically-Excited Synchronous Motor | Sridhar Challagolla and Neerukonda Rama Devi |
| 24. | ICDECT_2020_paper_205 | Segmentation of Remote Sensing Images using Fuzzy Gaussian Mixture Level Set (FGML) Method | Ramudu Kama, Dr Raghotham Reddy Ganta and Girija S.P |
| 25. | ICDECT_2020_paper_211 | Performance Improvement in Long Term Evolution-Advanced (LTE-A) Network towards 5G Network | Chilukuri Nishanthi and Dr.N. Ramamurthy |
| 26. | ICDECT_2020_paper_216 | Performance Analysis of OFDM and GFDM with MIMO for 5G Wireless Communications | Sushmitha Pollamoni, Yedukondalu Kamatham and Ramya Gurama |
| 27. | ICDECT_2020_paper_218 | Performance Analysis of OFDM and UPMC with MIMO Wireless Communications | Ramya Gurama, Yedukondalu Kamatham and Sushmitha Pollamoni |
| 28. | ICDECT_2020_paper_220 | Analysis of Software Tool for Voltage Profile Improvement in IEEE 14-Bus System using SVC | Sandeep Kumar Machavaram, Sruthi Meghana Sripada, Geyavarshini Bandi, Rakshitha Peddi Sai and Sukruthi Mamidi |
| 29. | ICDECT_2020_paper_239 | Evaluation of particle size, lattice strain and estimation of Mean square amplitudes of vibration, Debye Waller factor and Debye temperature for metal oxide nanoparticles <u>Endla</u> | Dr. Purushotham |
| 30. | ICDECT_2020_paper_243 | Kalman Filter based MPC Control Design and Performance Assessment of MIMO System | S Sudhahar, C Ganesh Babu and D Sharmila |
| 31. | ICDECT_2020_paper_252 | On The Use Of Region Convolutional Neural Networks For Object Detection | M. Sushma Sri, B. Rajendra Naik, K. Jayasankar, B. Ravi and P. Praveen Kumar |
| 32. | ICDECT_2020_paper_262 | An improved impulse noise removal VLSI architecture using DTBDM method | Sresta Valasa, D.R.Ramji, Jitesh Shinde and Mahesh Mudavath |
| 33. | ICDECT_2020_paper_273 | Performance analysis of vehicular network scenarios using SUMO and NS2 simulators | K Raja Kumar, Nagarjuna Karyemsetty and Badugu Samatha |
| 34. | ICDECT_2020_paper_282 | A New Channel Estimation Technique for 5G MIMO Communication Systems | Anil Kumar Tipparti and Anjaneyulu Lokam. |
| 35. | ICDECT_2020_paper_212 | Channel estimation for Broadband Wireless Access based OFDM/OQAM system | Sandeep Vangala and Tarun Kumar Juluru |
| 36. | ICDECT_2020_paper_90 | Digital Images Falsification Detection Based on Dichromatic Model | Gowri Shankar M, Dr. Ganesh Babu C, Dr. Gandhi R, Dr. Vidyavathi K and Saravanan V |
| 37. | ICDECT_2020_paper_233 | Half-circled Fractal Boundary Linearly Polarized Triangular Patch Antenna for Wireless Applications | Venkateshwar Reddy V, |
| 38. | ICDECT_2020_paper_247 | Authorship Attribution using Filtered N-grams as Features | Manan Singh and Kavi Narayana Murthy |
| 39. | ICDECT_2020_paper_241 | Design and performance evaluation of monarch butterfly optimization-based artificial neural | Satyanarayana B, Sarat Nayak |

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| | | networks for financial time series prediction and Bimal Kar | |
| 40. | ICDECT_2020 _paper_201 | Interference aware efficiency maximization in 5G ultra dense networks | Vani Turupati and Raju Manda |
| 41. | ICDECT_2020 _paper_67 | Miniaturized Printed Bowtie Antenna For WLAN Applications | Srividya Punnam, Dr. Akkala Subba Rao and Dr . B. Rama Devi |
| 42. | ICDECT_2020 _paper_37 | Integrating SSIM in GANs to generate high- quality brain MRI images | Ruchika Malhotra, Nikhil Rath, Kush Sharma and Krishan Kumar |
| 43. | ICDECT_2020 _paper_121 | Generation of Pseudo Random Binary Sequence based on Cipher Feedback Chaotic System for Cryptographic Applications | S Sheela and S V Sathyanarayana |
| 44. | ICDECT_2020 _paper_232 | Neuro-Wavelet Approach of SVC Compensated Six-terminal Transmission line Protection with Hybrid Generation | Manju Sree Yalamanchili, Venkatesh Challa and Sudhakar Angatha Veera Venkata |
| 45. | ICDECT_2020 _paper_235 | Cloud Assisted Privacy-Preserving Optimized Distributed Association Rule Mining on e- Healthcare Data | Dr. M.N Faruk, Srinivas Aluvala and Vishali Sivalenka |
| 46. | ICDECT_2020 _paper_203 | Face Mask Detection using Feature Extraction | Usha Kamale, Sudeepthi Beecha, Mahathi Devarakonda and Shravya Pillariseti. |
| 47. | ICDECT_2020 _paper_147 | Performance Analysis Of Polycystic Ovary Syndrome (Pcos) Detection System Using Neural Network Approach | Boomidevi R And Usha S |
| 48. | ICDECT_2020 _paper_202 | Noise Removal in Long term ECG signals using EMD based Threshold Method | Kiran Kumar Patro, Jaya Manmadha Rao Malla, Ashwini Jadhav and Rajesh Kumar P |
| 49. | ICDECT_2020 _paper_144 | Teaching “Design Thinking” using “Project Based Learning” Model to Undergraduate students through EPICS Course | Ram Deshmukh and Mujahid Irfan |
| 50. | ICDECT_2020 _paper_229 | Assessment Techniques in Engineering Education – Tools and Strategies of the Faculty | Balarama Krishna Chebolu, Ravi Kiran Goolla, Ravindar Boini and Archana Reddy Rondla. |
| 51. | ICDECT_2020 _paper_254 | Mechanical Compression Properties of Apple Fruit: Errors during Penetrometer | Measurements |
| 52. | ICDECT_2020 _paper_245 | Detailed review on Breast Cancer diagnosis using different ML algorithms | Vandana Lingampally and Radhika K |
| 53. | ICDECT_2020 _paper_284 | Study of Comparison On Efficient Malicious URL Detection System using Data Mining Algorithms | Rajitha Kotoju and Vijaya Lakshmi Doddapaneni |
| 54. | ICDECT_2020 _paper_89 | Comparison of PAPR in OFDM and FBMC/OQAM using PAPR Reduction Methods | Sravanti Thota, Dr. Yedukondalu Kamatham and Chandra Sekhar Paidimarry |
| 55. | ICDECT_2020 _paper_130 | A data ware house system for university administration with UML schema and relational decisive approach | G.Sekhar Reddy |
| 56. | ICDECT_2020 _paper_287 | STT MRAM a universal memory from device to circuit | Jyoti Garg |

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| 57. | ICDECT_2020_paper_143 | Review on Sensors for Emotion Recognition | Stobak Dutta, Anirban Mitra and Neelamadhab Padhy |
| 58. | ICDECT_2020_paper_145 | Implementation of Rough Set for decision making | Surendra Nath Bhagat, Anirban Mitra and Neelamadhab Padhy |
| 59. | ICDECT_2020_paper_146 | Concept of Color utilization and its application in Knowledge Graph Visualization | Subhankar Guha, Neelamadhab Padhy and Anirban Mitra |
| 60. | ICDECT_2020_paper_184 | Covid-19 Isolation Monitoring System | K. Reddy Madhavi, Ms.Y. Vijaya Sambhavi and Mr.Sudhakara M |
| 61. | ICDECT_2020_paper_185 | An Automated approach for detection of Intracranial Haemorrhage using DenseNets | Dr.Avanija J, Gurram Sunitha, Dr.Reddy Madhavi K and Hitesh Sai Vittal R |
| 62. | ICDECT_2020_paper_186 | Analysis of COVID-19 Impacted Zones Using Machine Learning Algorithms | Ms.Sindhooja Abbagalla, Ms. Rupa Devi B, Mr.Anjaiah P and Dr.Reddy Madhavi K |
| 63. | ICDECT_2020_paper_187 | Road Detection using Semantic Segmentation based Convolutional Neural Network for Intelligent Vehicle System | Deepak Kumar Dewangan and Satya Prakash Sahu |
| 64. | ICDECT_2020_paper_200 | UWB Transmission through Human Thorax behind a Wall: A MATLAB Simulation | Dr. Kedar Nath Sahu, Dr. Dhanunjaya Naidu and Dr. Jaya Sankar Kottareddygari |
| 65. | ICDECT_2020_paper_244 | Issues and challenges in incorporating the Internet of Things with the healthcare sector | Saurabh Bhattacharya and Dr. Manju Pandey |
| 66. | ICDECT_2020_paper_276 | GFDM Based Device to Device Systems in 5G Cellular Networks | K. Anish Pon Yamini, Assis Nevatha J and K Suthendran |
| 67. | ICDECT_2020_paper_280 | A Mobility Adaptive Efficient Power Optimized Protocol for MANETs based on Cross Layering concept | K.Anish Pon Yamini and Suthendran K |
| 68. | ICDECT_2020_paper_281 | Evaluating the AdaBoost algorithm for biometric-based face reorganization | B.Thilagavathi B and Dr.K.Suthendran K |
| 69. | ICDECT_2020_paper_277 | Analysis of Channel Estimation in GFDM System | K. Anish Pon Yamini, Akhila S. V and K. Suthendran Suthendran |