



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

List of research papers in the Journals notified on UGC website during the year 2020

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| 1. | Impact of Liquid Fuel Injection Timings on Gaseous Hydrogen Supplemented, Preheated Straight Vegetable Oil, (SVO) Operated Compression Ignition Engine | View |
| 2. | Stability and weighted sensitivity analysis of robust controller for heat exchanger | View |
| 3. | Chunk by Chunk Irrigation of farm field through wireless sensing technique | View |
| 4. | Mechanical properties of glass fibre concrete with different dosages of glass fiber | View |
| 5. | Optimal Allocation of UPFC and IPFC in Network Considering Sensitivity of Line Flows under Single Line Contingency | View |
| 6. | Irrigation Made Easy : Block wise Filling of Firm Filed Using WSN System | View |
| 7. | Analysis of Blast Induced Ground Vibration of Under Varying Controlled Blasting Parameter | View |
| 8. | Finding the Occurrence of Chromite Reserve in Mineral Exploration Survey by Using Remote Sensing Technique | View |
| 9. | Driver Deviation And Drowsiness Detection Alert System | View |
| 10. | Enactment of Deep Learning Methods for Bird Cataloging by Deploying Convolution Neural Networks | View |
| 11. | Patch antenna design optimization using opposition based grey wolf optimizer and map-reduce framework | View |
| 12. | Euglena Sanguinea algal biodiesel and its various diesel blends as diesel engine fuels: a study on the performance and emission characteristics | View |
| 13. | Project based learning: Design of data acquisition module for greenhouse system | View |
| 14. | Performance Evaluation of Square Pyramid Solar Still with Various Vertical Wick Materials - An Experimental Approach | View |
| 15. | Naturally derived FeTiO ₃ nanoparticles: analysis of optical properties | View |
| 16. | Synthesis of dysprosium/Mn-Cu ferrite binary nanocomposite: Analysis of structural, morphological, dielectric, and optomagnetic properties | View |
| 17. | A study of linear optical properties of ternary blends PVA/CMC/aloe vera biofilm for UV shielding | View |
| 18. | Cadmium substitution effect on structural, electrical and magnetic properties of Ni-Zn nano ferrites | View |
| 19. | Study on Load Analysis of Strata Using LOD Cell in Under ground Coal Mines | View |

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| 20 | Age Invariant face Recognition Techniques: A Critical Review Study | View |
| 21. | Study of Dependence of Blast Induced Ground Vibration on Charge per Hole and Rock Strength | View |
| 22. | Study on Cross Linguistic Feature within Dravidian and English script to Establish the Source of Questioned Document | View |
| 23. | Analysis of Fingerprint Pattern Distribution Framework of Telugu Population in India | View |
| 24. | From Epidemic to Pandemic – COVID 19 - Psychological, Social and Environmental Impact – A Qualitative Study | View |
| 25. | A Novel Approach to Provide More Security for Multi Click Recognition based Textual Graphical Scheme | View |
| 26. | Artificial Intelligence Aided Diagnosis of Chronic Kidney Disease | View |
| 27. | Performance evaluation and simulation of a nine-level voltage source inverter | View |
| 28. | Comparative analysis of thyristor based and PWM based controlled rectifier | View |
| 29. | Analysis of V-clamp based seven-level inverter | View |
| 30. | A Seven-Level Inverter Topology for Medium-Voltage Applications | View |
| 31. | Design and Implementation of VSI for Trinary Sequence | View |
| 32. | Wideband Characteristics of Antenna : A succinct study | View |
| 33. | Performance Study of Efficient Hybrid Architecture of 1-bit Full adder circuit | View |
| 34. | Analysis of security avoidance by using the Internet of Things Devices | View |
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| 36. | Performance analysis of Fused Add-Multiply (FAM) architectures | View |
| 37. | Utility Impact Study of Bionic Communication System | View |
| 38. | A Modulation method For DC-link voltage balancing control of a T- type converter | View |
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| 40. | Analysis and Simulation of a Novel H-Bridge based Multilevel inverter with reduced DC sources | View |
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| 42. | Study of IoT and Cloud-based smart farming approaches | View |
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| 44. | Development of FFT Processor: A Succinct Study | View |
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| 47. | Multi Factor Two-way Hash-Based Authentication in Cloud Computing | View |
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| 50. | Combined adjustment of Injection timing and Compression ratio for an agricultural diesel engine fuelled with Nahar methyi ester | View |
| 51. | Circular Slotted Antenna with CPW feed for GSM and UWB Applications | View |
| 52. | Study of the magnetic properties of Mn-doped iron titanate nanoparticles fabricated using natural mineral | View |
| 53. | Radial movement optimization based parameter extraction of double diode model of solar photovoltaic cell | View |
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