# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
## An AUTONOMOUS Institution

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## Journal publications & Conferences in AY 2024-25 (up to November)

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
|------|---------------------|------------|--------------------|-----------------|--------|-----------------------------|------------|
| 1 | Dr. V. Swamy nadh | CE | Forecasting Compressive Strength of M30 Grade Self-Compacting Concrete Utilizing Artificial Neural Networks with Agricultural Waste Incorporation | Nanotechnology Perceptions | 20 | July, 2024 | https://nano-ntp.com/index.php/nano/article/view/950 |
| 2 | Dr. B. Rajani | EEE | A hybrid approach based economic assessment EV charging station powered by integrating solar PV and biomass | Journal of Energy Storage | 1 | August, 2024 | https://www.sciencedirect.com/science/article/abs/pii/S2352152X24020747 |
| 3 | Mr. M.V. Kumar Reddy | EEE | Intelligent Control Design and Fault Prediction for Renewable Energy sources Using Bi-Directional GRU and GEO Method | Electric power component and systems | 2 | September, 2024 | https://www.jatit.org/volumes/Vol102No12/10Vol102No12.pdf |
| 4 | Dr. N. Sirisha | EEE | Deep Learning Based Malware Detection | Journal of Theoretical and Applied Information Technology | 102 No. 12 | June, 2024 | https://www.jatit.org/volumes/Vol102No12/10Vol102No12.pdf |

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| 5 | Dr. Adireddy Ramesh | EEE | The Performance Analysis of Precoded Space Time Frequency MIMO-GFDM Over Rayleigh Fading Channels | Institute of Mechanics of Continua and Mathematical Sciences | Vol.-19 | October, 2024 | https://www.journalimcms.org/journal/the-performance-analysis-of-precoded-space-time-frequency-mimo-gfdm-over-rayleigh-fading-channels/ |
| 6 | Mr. V. Ramakrishna | EEE | AI-Driven Simulation of Complex Physical Systems: Insights from Statistical Mechanics | Letters in High Energy Physics | | October, 2024 | https://lettersinhighenergyphysics.com/index.php/LHEP/article/view/648 |
| 7 | Mr. V. Ramakrishna | EEE | Optimization of hybrid renewable energy systems using AI Algorithms A Case study approach | Nanotechnology Perceptions | 20 No. S13 (2024) 1068-1085 | October, 2024 | https://nano-ntp.com/index.php/nano/article/view/2583 |
| 8 | Mr. Subba Raju | EEE | Assessment of Innovative Technologies for Hazardous Waste Treatment and Remediation Review: A Sustainable Approach for Environmental Protection | Global Nest Journal | Vol 26, No 7, 05950 | October, 2024 | https://doi.org/10.30955/gnj.005950 |

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
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| 9 | Dr. Marxim Rahula Bharathi B | ME | Optimizing Data Centre Energy Efficiency with Dynamic Resource Allocation and Intelligent Cooling Management through Machine Learning | Journal of Electrical Systems | 20 | June, 2024 | https://journal.esrgroups.org/jes |
| 10 | Dr. M.D. Ahasan | ME | A Prediction Model Based on Simulation (FEA) and Response Surface Methodology (RSM) for Sintered Al–TiB2 Preforms | Transactions of the Indian Institute of Metals | 77 | July, 2024 | https://link.springer.com/article/10.1007/s12666-024-03364-2 |
| 11 | Mr. Abdul Arif | ME | Utilizing multilayer perceptron for machine learning diagnosis in phase change material-based thermal management systems | Heat Transfer | | August, 2024 | https://onlinelibrary.wiley.com/share/author/NEV7BXKTDNRHFITHS4H6?target=10.1002/htj.23163 |
| 12 | Mr. Rambabu Dara | ME | Fluid Flow and Thermal Characteristics of an Obtuse-Angled Trapezoidal Solar Air Heater Channel With Corner Modifications and Ribs on Absorber Plates | Journal of Thermal Science and Engineering Applications | 16(10) | August, 2024 | https://asmedigitalcollection.asme.org/thermalscienceapplication/article-abstract/16/10/101008/1201964/Fluid-Flow-and-Thermal-Characteristics-of- |

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| 13 | Ms. K. Vijetha | ME | Effect of Graphite Nanoadditives on the Behavior of a Diesel Engine Fueled with Pyrolysis Fuel Recovered from Used Plastics | ACS Omega | 9, 38 | September, 2024 | https://pubs.acs.org/doi/epdf/10.1021/acsomega.4c03715?ref=article_openPDF |
| 14 | Dr. DVSSSV Prasad | ME | Optimizing CNC Turning process parameters through Machine Learning modelling | Library Progress International | 44 | September, 2024 | https://bpasjournals.com/library-science/index.php/journal/article/view/1376 |
| 15 | Ms. K Vijetha | ME | Fabrication of microchannel heat sink using additive manufacturing technology: A review | Part E: JPME | | October, 2024 | https://journals.sagepub.com/doi/full/10.1177/09544408924129063 1 |
| 16 | Dr. Narayana Rao Palepu | ECE | Wideband meander-line-antipodal-vivaldi slot-antenna for millimeter-wave applications | e-Prime - Advances in Electrical Engineering, Electronics and Energy | 9 | July, 2024 | https://doi.org/10.1016/j.prime.2024.100641 |

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| 17 | Dr. R. V. V. Krishna | ECE | Cross-layer Design Based Common Data Channel Selection Scheme in Cognitive Radio Ad-hoc Network | Wireless Personal Communications | | July, 2024 | https://link.springer.com/article/10.1007/s11277-024-11417-4 |
| 18 | Dr. R. V. V. Krishna | ECE | Measurement of Very Small Variation of Effective Resistance of MOSFET Deputed in Active Microgrid Inverter Operation | Journal of Nano- and Electronic Physics | Vol. 16 Issue No 3 | June, 2024 | https://jnep.sumdu.edu.ua/en/full_article/3897 |
| 19 | Dr. D. Kishore | ECE | Accent Recognition of Speech Signal Using MFCC-SVM and k-NN Technique | Evergreen | Vol. 11, Issue No 02 | June , 2024 | https://www.tj.kyushu-u.ac.jp/evergreen/contents/EG2024-11_2_content/pdf/p1305-1312.pdf |
| 20 | Mr. K Venkata Ramana | ECE | Deep Learning based DWT- Bi-LSTM Classifier for Enhanced Cardiovascular Arrhythmia Classification Pinjala | International Journal of Electrical and Electronics Research (IJEER) | Volume 12, Issue 3 | | August, 2024 | https://ijeer.forexjournal.co.in/archive/volume-12/ijeer-120325.html |

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| 21 | Dr. R. V. V. Krishna | ECE | Harnessing Big Data: Strategic Insights for IT Management | International Journal of Advanced Computer Science and Applications (IJACSA) | Vol. 15, No. 7 | August, 2024 | https://thesai.org/Downloads/Volume15No7/Paper_90-Harnessing_Big_Data_Strategic_Insights.pdf |
| 22 | Dr. R. Anil Kumar | ECE | A low complexity enhanced squirrel search algorithm for reduction of peak to average power ratio in OFDM systems | International Journal of Communication Networks and Distributed Systems | Vol. 30 No. 5, | August, 2024 | https://www.inderscience.com/info/inarticle.php?artid=140675 |
| 23 | Mr. K. Jayaram Kumar | ECE | 5G Resource Allocation Enhancement Via Resnet-Inception- V2 With Non-Linear Analysis | Journal of Computational Analysis and Applications | Vol. 33 No. 2, | 2024 | https://eudoxuspress.com/index.php/pub/article/view/307/237 |
| 24 | Dr. R.Anil Kumar | ECE | The Performance Analysis of Precoded Spacetime Frequency MIMO-GFDM Over Rayleigh Fading Channels | Journal Of Mechanics of Continua and Mathematical Sciences | Vol. 19 No. 9, | September, 2024 | https://jmcms.s3.amazonaws.com/wp-content/uploads/2024/09/14130827/jmcms-2409002-The-Performance-Analysis-of- |

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| 25 | Dr. R. V. V. Krishna | ECE | Quantifying the carbon sequestration potential of different soil management practices aimed at increasing organic content in soil and reducing the usage of chemical inputs | Global Nest Journal | Vol 26, No 7 | June, 2024 | https://journal.gnest.org/system/files/2024-08/gnest_05932_final.pdf |
| 26 | Dr. Inakoti Ramesh Raja | ECE | Non-Toxic Processable Solution Up-Cycling of Spent Electrical Anode: Environmental Sustainability | Communications on Applied Nonlinear Analysis | Vol 32 No. 2 | September, 2024 | https://internationalpubls.com/index.php/cana/article/view/1723 |
| 27 | Mr. K. Jayaram Kumar | ECE | Optimizing Pest Detection And Management In Precision Agriculture Through Deep Learning Approaches | Library Progress International | Vol. 44 No. 3 | July, 2024 | https://bpasjournals.com/library-science/index.php/journal/article/view/1501 |
| 28 | Dr. P. Narayana Rao | ECE | Analysis of Reason to Global Warming Based on Heat Pattern Using Hyperspectral Imaging: Artificial Intelligence Application | Remote Sensing in Earth Systems Sciences | | September, 2024 | https://link.springer.com/article/10.1007/s41976-024-00130-2 |

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| 29 | Dr. D. Kishore | ECE | Phased Array Antenna Beam Steering - Role of Digital Phase Shifters | Journal of Electrical System | | September, 2024 | https://link.springer.com/article/10.1007/s41976-024-00130-2 |
| 30 | Dr. R. Anil Kumar | ECE | Cloud-Based Human Authentication through Scalable Multi-biometric Image Sensor Fusion | Journal of Environmental Protection and Ecology | Vol 25, No 6 | October, 2024 | https://link.springer.com/article/10.1007/s13198-024-02449-x/metrics |
| 31 | Dr. Ramakrishna Guttula | ECE | Optimization of cutting force during turning of custom 450 steel using TiAlSiN coated WC tool inserts | International Journal on Interactive Design and Manufacturing (IJIDeM) | 18 | June, 2024 | https://link.springer.com/article/10.1007/s12008-024-01934-8#citeas |
| 32 | Dr. Ramakrishna Guttula | ECE | Hybrid Optimized LMMSE-Based Channel Estimation with Low Power Trellis Coded Modulation | Cybernetics and Systems: An International Journal | 55 | May, 2024 | https://www.tandfonline.com/doi/epdf/10.1080/01969722.2024.2343989?needAccess=true |
| 33 | Dr. R. Raman | ECE | Semantic Web Techniques for Clinical Topic Detection in Health Care | Computer Assisted Methods in Engineering and Science (CAMES) | 31 | May, 2024 | https://cames.ippt.pan.pl/index.php/cames/article/view/493/882 |

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| 34 | Ms. Rayudu Prasanthi | ECE | Computational Chemistry Approaches For Drug Discovery: Accelerating The Design And Optimization Of Therapeutics | African Journal of Biological Sciences | 6 | July, 2024 | https://afjbs.com/issue-content/computational-chemistry-approaches-for-drug-discovery-accelerating-the-design-and-optimization-of-therapeutics-4387 |
| 35 | Mr. T. Krishna Mohan | ECE | TelMedAI: A Framework for Patient Speech Recognition and Conversion into Desired Language Towards Telemedicine System | International Journal of Electrical and Computer Engineering Systems | 15 | July, 2024 | https://ijeces.ferit.hr/index.php/ijeces/article/view/3062/422 |
| 36 | Ms. Ch. Janaki Devi | ECE | Revolutionizing Radiology: AI Driven Innovation in Medical Imaging | Journal of Electrical System | 20 | August, 2024 | https://journal.esrgroups.org/jes/article/view/5521/3945 |
| 37 | Ms. Rayudu Prasanthi | ECE | Optimizing Pest Detection And Management In Precision Agriculture Through Deep Learning Approaches | Library Progress International | 44 | September, 2024 | https://bpasjournals.com/library-science/index.php/journal/article/view/1501 |

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| 38 | Ms. Kala Vijaya Kumari | ECE | Healthcare Breast Cancer Using Non-Linear Activated Deep Convolutional Attention Nets | Journal of Computational Analysis and Applications | 33 | September, 2024 | https://www.eudoxuspress.com/index.php/pub/article/view/324 |
| 39 | Mr. M.M. Siva Krishna | CSE | Deep learning based credit card fraud detection in federated learning | Expert Systems with Applications | 255 | June, 2024 | https://www.sciencedirect.com/science/article/abs/pii/S0957417424013605 |
| 40 | Dr. Ch.S.V.V.S.N. Murty | CSE | A novel framework for entertainment robots in personalized elderly care using adaptive emotional resonance technologies | Entertainment Computing | 52 | June, 2024 | https://www.sciencedirect.com/science/article/abs/pii/S1875952124001642 |
| 41 | Dr. Ch.S.V.V.S.N. Murty | CSE | Multi-Dimensional Machine Intelligence Technique on High Computational Data for Bigdata Analytics | SSRG International Journal of Electrical and Electronics Engineering | 11 | June, 2024 | https://www.internationaljournalssrg.org/IJEEE/paper-details?Id=748 |
| 42 | Dr. R.V.S. Lalitha | CSE | Adaptive mixed reality robotic games for personalized consumer robotic entertainment | Entertainment Computing | 52 | July, 2024 | https://www.sciencedirect.com/science/article/abs/pii/S1875952124001939#:~:text=The%20Adaptive%20Mixed%2 |

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| 43 | Dr. R.V.S. Lalitha | CSE | Interactive robots for personalized multimodal comedy experiments | Entertainment Computing | 52 | July, 2024 | https://www.sciencedirect.com/science/article/abs/pii/S1875952124002428 |
| 44 | Mr. S.N.S. V.S.C. Ramesh | CSE | Leveraging Double-Valued Neutrosophic Set for Real-Time Chronic Kidney Disease Detection and Classification | International Journal of Neutrosophic Science (IJNS) | 25 | July, 2024 | https://www.americaspg.com/articleinfo/21/show/2956 |
| 45 | Mr. S.N.S. V.S.C. Ramesh | CSE | Role of Rough Neutrosophic Attribute Reduction with Deep Learning-Based Enhanced Kidney Disease Diagnosis | International Journal of Neutrosophic Science (IJNS) | 25 | July, 2024 | https://www.americaspg.com/articleinfo/21/show/2957 |
| 46 | Mr. G. Jaya Raju | CSE | Enhancing the Quality of IoT-Bigdata to Improve Data Streaming Efficiency Using Artificial Intelligence Techniques | Nanotechnology Perceptions | 20 | August, 2024 | https://nano-ntp.com/index.php/nano/article/view/2077 |

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| 47 | Ms. Ch. Sujana | CSE | Secure data storage using the Internet of Things(IoT) and a new affordable Block chain model | Library Progress International | 44 | July, 2024 | https://bpasjournals.com/library-science/index.php/journal/issue/view/10 |
| 48 | Dr. R.V.S. Lalitha | CSE | Enhancing heat transfer coefficient predictions in complex geometries through hybrid machine learning approaches | International | 55 | October, 2024 | https://www.sciencedirect.com/journal/thermal-science-and-engineering-progress/ |
| 49 | Dr. B.V. Rama Krishna | CSE | Sustainable Agriculture Based Climate Change Training Models using Remote Hyperspectral Image with Machine Learning Model | Springer Nature | 7 | August | https://doi.org/10.1007/s41976-024-00118-y |
| 50 | PULLELA SVVSR KUMAR | CSE | FUZZY-BASED MACHINE LEARNING FOR IMPROVED DIAGNOSIS OF NEUROLOGICAL ISORDERS USING MRI IMAGE | Journal of Environmental Protection and Ecology | 4 | August | https://scibulcom.net/en/article/JhC5dB1cOOKfksXS7g13 |
| 51 | PULLELA SVVSR KUMAR | CSE | EXPRESSION ANALYSIS OF DEATH RECEPTOR LIGANDS USING BIOMEDICAL IMAGES | Journal of Environmental Protection and Ecology | 4 | August | https://scibulcom.net/en/article/jNuy3xeefLie5pXXiLdt |

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| 52 | Dr. B.V. Rama Krishna | CSE | Quantum Computing and Its Implications for Cryptography: Assessing the Security and Efficiency of Quantum Algorithms | Library Progress International Journal | 44 | September | https://bpasjournals.com/library-science/index.php/journal/article/view/1499 |
| 53 | Mr. D.V. Ravi Kumar | CSE | Spatiotemporal dynamics and transformation of the Parana State coastline: A 34-year analysis using RS, GIS, and machine learning | Journal of South American Earth Sciences | 148 | September | https://www.sciencedirect.com/science/article/abs/pii/S0895981124003845 |
| 54 | Dr. B.V. Rama Krishna | CSE | Project Management Methodologies: A Comparative Analysis of Agile and Waterfall Approaches | Library Progress International Journal | 44 | October | https://bpasjournals.com/library-science/index.php/journal/article/view/2752 |
| 55 | Mr. R V V N Bheema Rao | IT | A Comparative Study of Khasi Speech Recognition Systems with Recurrent Neural Network-Based Language Model | Journal of Electrical Systems | Vol. 20 No. 6s (2024) | June, 2024 | https://journal.esrgroups.org/jes/article/view/2857 |
| 56 | Mr. Srinivasulu Thiruveedula | IT | Modernizing Cancer Diagnosis with an Intelligent Model for Lung and Colon Cancer | Journal of Electrical Systems | Vol. 20 No. 6s (2024) | June, 2024 | https://journal.esrgroups.org/jes/article/view/2851 |

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| 57 | Ms. G. L. Narasamba Vanguri | IT | A Novel Support Vector Machine based Improved Aquila Optimizer-based Text Mining Mechanism for the Healthcare Applications | Journal of Electrical Systems | Vol. 20 No. 5s (2024) | June, 2024 | https://journal.esrgroups.org/jes/article/view/3204 |
| 58 | Dr. Ch. V. Raghavendran, | IT | Performance analysis of linear and non-linear machine learning models for forecasting compressive strength of concrete | Cogent Engineering | Volume 11, Issue 1 | July, 2024 | https://www.tandfonline.com/doi/full/10.1080/23311916.2024.2368101 |
| 59 | Dr. Ch. V. Raghavendran, | IT | An analysis on classification models for customer churn prediction | Cogent Engineering | Volume 11, Issue 1 | July, 2024 | https://www.informahealthcare.com/toc/oaen20/11/1 |
| 60 | Mr. R V V N Bheema Rao | IT | Novel Ml-Assisted Framework for Optimised Signatures Authentication in Banking Applications | Journal of Environmental Protection and Ecology | Volume 25, Issue 5 | September, 2024 | https://scibulcom.net/en/article/HBDrO4VY6u1fAupMo19w |
| 61 | Dr. Sanjiv Rao Godla | CSE(AIML & DS) | Predictive Maintenance Optimization in Zigbee-Enabled Smart Home Networks: A Machine Learning-Driven Approach Utilizing Fault Prediction Models | Wireless Personal Communications | Published online on 17 June 2024 | June, 2024 | https://link.springer.com/content/pdf/10.1007/s11277-024-11233-w.pdf |

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| 62 | Dr. Sanjiv Rao Godla | CSE(AIML & DS) | Maximizing Learning Outcomes through Fuzzy Inference System and Graph Theory Based on Learning Analytics | Journal of Advances in Information Technology | Vol. 15, No. 6 | June, 2024 | https://www.jait.us/articles/2024/JAIT-V15N6-784.pdf |
| 63 | Dr. Sanjiv Rao Godla | CSE(AIML & DS) | AI Driven Anomaly Detection in Network Traffic Using Hybrid CNN-GAN | Journal of Advances in Information Technology | Vol. 15, No. 7 | July, 2024 | https://www.jait.us/articles/2024/JAIT-V15N7-886.pdf |
| 64 | Dr. K. Naga Bhargavi | CSE(AIML & DS) | Automated Detection of Infection in Diabetic Foot Ulcer Using Pre-trained Fast Convolutional Neural Network with U++net | SN Computer Science | Volume 5, article number 705 | July, 2024 | https://link.springer.com/article/10.1007/s42979-024-02981-4 |
| 65 | Mr. Yerravarapu V V Durga Prasad | CSE (AIML & DS) | IoT and Real-Time Data Analytics: Transforming Business Decision Making Processes | International Journal of Intelligent Systems and Applications in Engineering | 12(22s) | July, 2024 | https://ijisae.org/index.php/IJISAE/article/view/6400 |
| 66 | Dr. B. Srinivas | CSE(AIML & DS) | Biosensor in Climate Change and Water Rise Analysis Based on Diverse Biological Ecosystems Using Machine Learning Model | Remote Sensing in Earth Systems Sciences | Published Online | September, 2024 | https://link.springer.com/article/10.1007/s41976-024-00142-y https://doi.org/10.1007/s41976-024-00142-y |

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| 67 | Ms. K.S.B. Ambika | CSE(AIML & DS) | Machine Learning-Driven Model for Identifying Depression Via Social Network Information | Journal of Environmental Protection and Ecology | Vol. 25, Issue 5 | September, 2024 | https://scibulcom.net/en/article/06EER86UphR8ttSUSTvW |
| 68 | Mr. B.S.N.V. Ramana Murthy | CSE(AIML & DS) | A Novel DC-GCN with Attention Mechanism for Accurate Near-Duplicate Video Data Cleaning | Journal of Machine and Computing | Vol. 4, Issue 4 | October, 2024 | https://anapub.co.ke/journals/jmc/jmc_abstract/2024/jmc_volume_04_issue_04/jmc_volume4_issue4_17.html |
| 69 | Mr. B.S.N.V. Ramana Murthy | CSE(AIML & DS) | Optimized CNN-BiLSTM with Attention: A High Performance Model for Predicting Heart Disease Using Cleveland and Framingham Datasets | Journal of Machine and Computing | Vol. 4, Issue 4 | October, 2024 | https://anapub.co.ke/journals/jmc/jmc_abstract/2024/jmc_volume_04_issue_04/jmc_volume4_issue4_34.html |
| 70 | Ms. D. Sravani | H&BS | Design, synthesis and anticancer evaluation of chalcone functionality bearing benzothiazol-oxazole-pyrazine as anticancer agents | Chemical Data Collection | 101153 | June, 2024 | Design--synthesis-and-anticancer-evaluation-of-chalcone-fun_2024_Chemical-Da.pdf |

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| 71 | Ms. D. Sravani | H&BS | Quantification of Chemical Constituents in Dry Leaf Extracts of Selected Mangrove Plant Species in Godavari Region of Andhra Pradesh,India | Journal of Harbin Engineering University | Vol 45 No.6 | June, 2024 | JHEU_5_Sravani_5034 (1).pdf |
| 72 | Ms. D. Sravani | H&BS | Antioxidant and Antimicrobial Potentials of Acanthus ilicifolius and Excoeceria agallocha mangrove plant raw leaf extracts, | Journal of chemical health risks | VOL14 NO 4 | July, 2024 | https://jchr.org/index.php/JCHR/article/view/5460 |
| 73 | Ms. D. Sravani | H&BS | Rapid Detection of Mycotoxins in Food Samples Using a Portable Bioanalytical Device | https://doi.org/10.53555/jab.v10i2.174 | Vol. 10 No. 2 (2024) | July, 2024 | https://journalofappliedbioanalysis.com/index.php/jab/article/view/174 |
| 74 | Dr. P. S. V. Shanmukhi | H&BS | Effect of co-doping with Mg2+ and Ce3+ on the enhanced electrical and magnetic characteristics of cobalt nano ferrites | J Mater Sci: Mater Electron | 1541 | August, 2024 | https://doi.org/10.1007/s10854-024-13304-x |
| 75 | Ms. D. Sravani | H&BS | Synthesis and biological evaluation of amide derivatives of isoxazole-imidazo [2,1-b]thiazole as anticancer agents | Results in chemistry | Volume 10 | August, 2024 | https://doi.org/10.1016/j.rechem.2024.101700. |

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| 76 | Dr. P.S.V. Shanmukhi | H&BS | Improved DC electrical resistivity and magnetic properties of La3+ substituted Ni0·5Co0·5Fe2-xLaxO4 (0.00 ≤x ≤0.20) spinel ferrite systems | Journal of the Indian Chemical Society | 101 | September, 2024 | https://doi.org/10.1016/j.jics.2024.101365 |
| 77 | Ms. D. Sravani | H&BS | Design, synthesis and biological various aryl derivatives of (pyridin-4-yl) imidazo [1,5-a]pyridin-1-yl)oxazoles as anticancer agents | Chemical Data Collections | volume 54 | September, 2024 | https://doi.org/10.1016/j.cdc.2024.101162. |
| 78 | Dr. P.S.V. Shanmuki | H&BS | Synthesis, structural, improved magnetic and electrical properties of Sr2+ doped BiFeO3 multiferroic materials | Applied Physics A | 130 | October, 2024 | https://doi.org/10.1007/s00339-024-07972-z |
| 79 | Dr. M Nookaraju | H&BS | Rational design, synthesis, and anti-cancer evaluation of amide derivatives of 1,3,4-Thiadiazole benzimidazoles | Results In Chemistry | 10 | August, 2024 | https://doi.org/10.1016/j.rechem.2024.101718 |
| 80 | Dr. M Nookaraju | H&BS | Biosynthesis of ZrO2 from Phyllanthus niruri extracts and its PVA composite: mechanical, wear, dielectric, water absorption, and thermal conductivity properties | Biomass Conversion and Biorefinery | In Press | August, 2024 | https://doi.org/10.1007/s13399-024-06046-7 |

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| 81 | Dr. M Nookaraju | H&BS | Rational design, synthesis, and anticancer evaluation of pyridine and substituted aryl linked 1,3,4-oxadiazole derivatives | Results In Chemistry | 11 | August, 2024 | https://doi.org/10.1016/j.rechem.2024.101755 |
| 82 | Mr. J.V. Ramanaiah | H&BS | Analytical Solutions of Poiseuille Flow of Second-Grade Fluid | Journal of Naval Architecture and Marine Engineering | 21 | June, 2024 | https://banglajol.info/index.php/JNAME/article/view/70846 |
| 83 | T. Gnananandar ao | Civil | Evaluating the impact of industrial wastes on the compressive strength of concrete using closed-form machine learning algorithms | Frontiers in Built Environment | 10 | October 2024 | https://www.frontiersin.org/journals/built-environment/articles/10.3389/fbuil.2024.1453451/full |
| 84 | V. Ramakrishna | EEE | AI-Driven Simulation of Complex Physical Systems: Insights from Statistical Mechanics | Letters in High Energy Physics | 2024 | October 2024 | https://lettersinhighenergyphysics.com/index.php/LHEP/article/view/648 |
| 85 | V. Ramakrishna | EEE | Optimization of hybrid renewable energy systems using AI Algorithms A Case study approach | Nanotechnology Perceptions | 20 | October 2024 | https://nano-ntp.com/index.php/nano/article/view/2583 |

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
|---|---|---|---|---|---|---|---|
| 86 | M.P Subba Raju | EEE | Assessment of Innovative Technologies for Hazardous Waste Treatment and Remediation Review: A Sustainable Approach for Environmental Protection | Global Nest Journal | 26 | October 2024 | https://doi.org/10.30955/gnj.005950 |
| 87 | M.P Subba Raju | EEE | IoT-Based Intelligent Energy Management for EV Charging Stations | IAENG International Journal of Computer Science | 51 | November 2024 | https://www.iaeng.org/IJCS/issues_v51/issue_11/IJCS_51_11_15.pdf |
| 88 | Dr. Vijay M | EEE | Direct Normal Irradiance Prediction-Based Optimum Interval Tilt Angles for Enhancement of Energy Output, Levelized Cost of Energy, and $CO_2$ Emission in a Grid-Connected Photovoltaic System | Journal of Solar Energy Engineering | 147 | November 2024 | https://asmedigitalcollection.asme.org/solarenergyengineering/article-abstract/147/3/031002/1207149/Direct-Normal-Irradiance-Prediction-Based-Optimum?redirectedFrom=fulltext |

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
|---|---|---|---|---|---|---|---|
| 89 | Kambampati Lakshmi | EEE | Implementation of ANFIS-based UPQC for Power Quality and Thermal Management Enhancement in the Distribution System | Journal of Advanced Research in Fluid Mechanics and Thermal Sciences | 122 | November 2024 | https://semarakilmu.com.my/journals/index.php/fluid_mechanics_thermal_sciences/article/view/10895 |
| 90 | K Vijetha | ME | Fabrication of microchannel heat sink using additive manufacturing technology: A review | Part E: JPME | - | October 2024 | https://journals.sagepub.com/doi/full/10.1177/09544408924129063 1 |
| 91 | Dr. Venkata Lalitha Narla | ECE | A multimodal approach with firefly based CLAHE and multiscale fusion for enhancing underwater images | Scientific Reports | 14 | November 2024 | https://www.nature.com/articles/s41598-024-76468-w#citeas |
| 92 | Dr. Venkata Lalitha Narla | ECE | Machine Learning-Based Lung Cancer Classification and Enhanced Accuracy on CT Images | Traitement du Signal | 41 | November 2024 | https://www.iieta.org/journals/ts/paper/10.18280/ts.410248 |
| 93 | Dr. Garaga Srilakshmi | ECE | An Effective PDE-based Thresholding for MRI Image Denoising and H-FCM-based Segmentation | International journal of Experimental Research and Review | 44 | November 2024 | https://qtanalytics.in/journals/index.php/IJERR/article/view/3905 |

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
|---|---|---|---|---|---|---|---|
| 94 | Dr. Garaga Srilakshmi | ECE | Exploring Innovative Approaches for Integrated Water Resource Management in Arid Regions: Enhancing Resilience to Climate Change and Water Scarcity | Journal of Environmental Protection and Ecology | 25 | November 2024 | https://scibulcom.net/en/article/a63Ya2kN7rLi6mQoEDXP |
| 95 | Rayudu Prasanthi | ECE | Optimizing Pest Detection And Management In Precision Agriculture Through Deep Learning Approaches | Library Progress International | 44 | November 2024 | https://bpasjournals.com/library-science/index.php/journal/article/view/1501 |
| 96 | Kala Vijaya Kumari | ECE | Healthcare Breast Cancer Using Non-Linear Activated Deep Convolutional Attention Nets | Journal of Computational Analysis and Applications | 33 | November 2024 | https://www.scopus.com/sourceid/23846 |
| 97 | Kala Vijaya Kumari | ECE | Machine Learning Approaches for Anticipating Mechanical System Failures | Library Progress International | 44 | November 2024 | https://bpasjournals.com/library-science/index.php/journal/article/view/3117/2923 |
| 98 | Jagadeesh Babu Bokka | ECE | Line-tunneling based GaP/Si heterostructure vertical gate-all-around tunnel FET for enhanced electrical performance | Materials Science & Engineering B | 312 | November 2024 | https://www.sciencedirect.com/science/article/abs/pii/S0921510724007049 |

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
|------|---------------------|------------|--------------------|-----------------|--------|------------------------------|------------|
| 99 | Nallamilli V K Reddi | CSE | Enhanced Retail Sales Forecasting Using Optimized CNN-LSTM Hybrid Model: A Time Series-Based Analysis | Communications on Applied Nonlinear Analysis | 23 | November 2024 | https://internationalpubls.com/index.php/cana |
| 100 | Dr. B.V. Rama Krishna | CSE | Support Vector Machines for Early Detection of Chronic Diseases in Healthcare | Frontiers in Health Informatics | 13 | November 2024 | https://healthinformaticsjournal.com/index.php/IJMI/article/view/348 |
| 101 | G. L. Narasamba Vanguri | IT | Remote Sensing–Based UAV Imaging in Heat Pattern Analysis Impact on Climate Change Detection Using Fuzzy Stacked Lasso Elastic-Net Model | Remote Sensing in Earth Systems Sciences | 7 | November 2024 | https://link.springer.com/article/10.1007/s41976-024-00158-4 |
| 102 | Vijayakumar Kondepogu | IT | Heuristic Optimization-assisted Dilated Convolution Neural Network with Gated Recurrent Unit for Channel Estimation in NOMA-OFDM System | IEEE ACCESS | - | November 2024 | https://ieeexplore.ieee.org/abstract/document/10737349 |
| 103 | Dr. B. Srinivas | AI&ML | Design and implementation of closed-loop water reuse systems in urban and industrial settings for maximizing resource recovery and minimizing waste | Desalination and Water Treatment | 320 | November 2024 | https://www.sciencedirect.com/science/article/pii/S194439862420360X?via%3Dihub |

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
|---|---|---|---|---|---|---|---|
| 104 | Dr. Sanjiv Rao Godla | AI&ML | Application of Artificial Bee Colony Algorithm in Solving Second-Order Differential Equations | SN Computer Science | 5 | November 2024 | https://link.springer.com/article/10.1007/s42979-024-03418-8 |
| 105 | Dr. J M Kanthi Thilaka | H&BS | TEACHING READING: KEY CONSIDERATIONS | International Journal of Cultural Studies and Social Sciences | 20 | November 2024 | Print |
| 106 | Dr. J M Kanthi Thilaka | H&BS | ENGLISH TEACHERS - TECHNOLOGY AND LIMITATIONS | Journal of the School of Language, Literature and Culture Studies | 26 | November 2024 | Print |
| 107 | Dr. P.S.V. Shanmuki | H&BS | Impact of substituting Cu2+/Ce3+ cations on the structural, magnetic and electrical properties of cobalt nano ferrites | Ceramics International | 50 | November 2024 | https://doi.org/10.1016/j.ceramint.2024.09.270 |
| 108 | D. Sravani | H&BS | Design and Synthesis of Various Aryl Amide Derivatives of Imidazo[1,5-a]Pyridine-1,2,4-Thiadiazoles:In-vitro Cytotoxicity Evaluation and In-silico | chemistry and biodiversity | 2024 | November 2024 | https://onlinelibrary.wiley.com/share/author/I8QATYBAS9MMABRJQAXW?target=10.1002/cbdv.202401380 |

| S.No | Name of the faculty | Department | Title of the paper | Name of journal | Volume | Month & Year of publication | Paper link |
|------|--------------------|------------|--------------------|-----------------|--------|----------------------------|------------|
| 109 | B. S. N. Murthy | H&BS | A study on the qualitative properties for effects of two delays on dynamical behaviors of HIV-AIDS-TB model | Humanities & Basic sciences | -- | November 2024 | https://doi.org/10.1007/s12190-024-02282-2 |
| 110 | Mrs. D. Sravani | H&BS | Design, synthesis, in-vitro and in-silico anticancer studies on amide derivatives of 1,3,4-oxadiazole -isoxazol-pyridine- benzimidazole | Chemical papers | 78 | November 2024 | https://link.springer.com/article/10.1007/s11696-024-03861-0 |
| 111 | Dr. R. V. S. Lalitha | CSE | Food Security Based Marine Life Ecosystem for Polar Region Conditioning: Remote Sensing Analysis with Machine Learning Model | Remote Sensing in Earth System | -- | November 2024 | https://link.springer.com/article/10.1007/s41976-024-00172-6 |
| 112 | Mrs. D. Sravani | H&BS | Design and Synthesis of Various Aryl Amide Derivatives of Imidazo[1,5-a] Pyridine-1,2,4-Thiadiazoles:In-vitro Cytotoxicity Evaluation and In-silico | Chemistry and Biodiversity | -- | November 2024 | https://pubmed.ncbi.nlm.nih.gov/39556407/ |

# Conferences in AY 2024-25 (up to November)

| S. No | Name of the faculty | Department | Title of the Conference paper | Conference dates | Name of the conference & location |
|---|---|---|---|---|---|
| 113. | P Bala Krishna | EEE | Effect of HFM in Effective Minimization of Losses in Grid Integrated DFIGs | 31st July to 3rd August, 2024 | SEFET - 4 GRIET, Hyderabad |
| 114. | Choudalla Sail Ram | ECE | The future of multimedia micro facial recognition in advance system | 05-07 April 2024 | 2024 IEEE (I2CT), Graphic Era Deemed to be University Dehardun |
| 115. | Dr. R. Anil Kumar | ECE | Performance of MIMO-GFDM scheme for Future Wireless Communications | 18-19 April 2024 | ICKECS, VRSEC, Deemed to be University, Vijayawada |
| 116. | Kammampati Venkata Ramana | ECE | Real-Time Object Recognition with Voice Feedback for Visually Impaired Based on Raspberry Pi | 15- 16 March 2024 | Device Intelligence Computing & Communication Technologies, Vasavi College of Engineering (A), Hyderabad |

| S. No | Name of the faculty | Department | Title of the Conference paper | Conference dates | Name of the conference & location |
|---|---|---|---|---|---|
| 117. | Kapula Kalyani | ECE | Multi-Modality Image Fusion Approach for Identifying Brain Tumors | 18-19 July 2024 | 2024 ICCGST VRSEC, Deemed to be University, Vijayawada |
| 118. | Y D Chandramouli | ECE | Bottom Bounce Analysis of Multipath Acoustic Propagation in Deep Water | 26-27 July 2024 | (ICATECS-2024), Vasavi college of Engineering (A), Hyderabad |
| 119. | K Jayaram Kumar | ECE | A Novel Integrated System for Forest Fire Detection Using Multiple Adaptive Reduced KELM Models | 26-27 July 2024 | ICDSNS - 2024) Kalpataru Institute of Technology, Tiptur, |
| 120. | S. Durga Prasad | ECE | Low Power Adder Circuit Design and Implementation using Lector Technique | 5-7 April 2024 | IC4S, Vishnu Institute of Technology (A), Bhimavaram, Andhra Pradesh, India |
| 121. | P Bala Krishna | EEE | Effect of HFM in Effective Minimization of Losses in Grid Integrated DFIGs | 31st July to 3rd August, 2024 | SEFET - 4 GRIET, Hyderabad |

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| 125. | Kapula Kalyani | ECE | Multi-Modality Image Fusion Approach for Identifying Brain Tumors | 18-19 July 2024 | 2024 ICCGST VRSEC, Deemed to be University, Vijayawada |
| 126. | Y D Chandramouli | ECE | Bottom Bounce Analysis of Multipath Acoustic Propagation in Deep Water | 26-27 July 2024 | (ICATECS-2024), Vasavi college of Engineering (A), Hyderabad |

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| 127. | K Jayaram Kumar | ECE | A Novel Integrated System for Forest Fire Detection Using Multiple Adaptive Reduced KELM Models | 26-27 July 2024 | ICDSNS - 2024) Kalpataru Institute of Technology, Tiptur, |
| 128. | S. Durga Prasad | ECE | Low Power Adder Circuit Design and Implementation using Lector Technique | 5-7 April 2024 | IC4S, Vishnu Institute of Technology (A), Bhimavaram, Andhra Pradesh, India |
| 129. | Garaga Srilakshmi | ECE | Towards Explainable AI: Interpretable Models for Complex Decision-making | 18-19 April 2024 | ICKECS Chikkaballapur, India |
| 130. | Dr. R. Anil Kumar | ECE | Implementation of AI-Powered Adaptive Communication for Differently Abled People using LSTM | 19-20 September 2024 | SMART 2024, Telangana |
| 131. | S V Kiranmayi Sridhara | ECE | Advancing Bio medical Imaging Through High- Resolution Image Segmentation and Computational Modelling Using Convolutional Nueral Networks | 18 to 20 September 2024 | IC31 2024, Amity University, UP |

| S. No | Name of the faculty | Department | Title of the Conference paper | Conference dates | Name of the conference & location |
|---|---|---|---|---|---|
| 132. | S V Kiranmayi Sridhara | ECE | Implementation of FIR Filter Using Wallace Reduction Tree For High Speed Application | 18 to 19 October 2024 | SSITCON-2024, Sri Siddhartha institute of technology, Tumakuru |
| 133. | S V Kiranmayi Sridhara | ECE | An Intelligent Robot for Environment Monitoring based on IOT | 6-8 November 2024 | ICECA-2024, RVS Technical Campus, Coimbatore |
| 134. | Kala Vijaya Kumari | ECE | Improving Brain Stroke Diagnosis with SHAPEnhanced Predictive Models | 26th - 27th July 2024 | ICDSNS, Kalpataru institute of Technology Tiptur |
| 135. | Dr. Kovvuri Naga Bhargavi | CSE (AIML,DS) | Eco Reward Bin with User-Interface system | 22-24 August 2024 | 10th International Conference on Electrical Energy Systems (ICEES) Chennai, India |
| 136. | Ms. K.S.B. Ambika | CSE (AIML,DS) | The Future of Smart Factories: Real-Time Automation and Big Data Analytics on the Cloud | 24th - 28th, June 2024 | 15th International Conference on Computing Communication and Networking Technologies (ICCCNT) IIT - Mandi, Himachal Pradesh, India |

| S. No | Name of the faculty | Department | Title of the Conference paper | Conference dates | Name of the conference & location |
|---|---|---|---|---|---|
| 137. | K Roja Rani | CSE (AIML,DS) | A Deep learning approach with adaptive intelligence for coal classification | 6th - 7th July, 2024 | International Conference on Sustainable Materials, Structures and IoT (SMSI-2024), Indira Gandhi Institute of Technology, Sarang |
| 138. | Dr. J M Kanthi Thilaka | H&BS -1 | A Pervasive Influence of Textism in Realm of English language learning | 19 -20 July | International Virtual Conference On Perspectives from Basic Sciences and Humanities, Narsaraopeta Engineering College |
| 139. | G Kirankumar | H&BS | Thermodynamic Performance Analysis of Low GWP Refrigerant R152a as Replacement to R134a Used in Domestic Refrigeration Systems | 22nd - 23rd November 2024 | International conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD -2024) G Pulla Reddy Engineering College Kadapa |
| 140. | Mrs. Ch. Sujana | CSE | Exploring the impact of Artificial Intelligence in health Diagnosis | 4-10-2024 to 5-10-2024 | IC3T 2024, Mohan Babu University, Tirupathi |

| S. No | Name of the faculty | Department | Title of the Conference paper | Conference dates | Name of the conference & location |
|---|---|---|---|---|---|
| 141. | Dr. R.V.S. Lalitha | CSE | Optimizing Feature Selection Process through Variation Inflation Factor for Air Pollution Analysis | 15-10-2024 | ICSES 2024, Pokhara University, NEPAL |
| 142. | Mr. G. Jaya Raju | CSE | Predictive Analysis of Liver Disease Using Random | 24 - 25, October 2024 | ICICEC 2024, Davangere, Karnataka, India |
| 143. | Mr. Gottala Parameswara Kumar | CSE | Exploring Deep Learning Approaches for News Classification with CNNs, | 24 - 25, October 2024 | ICICEC 2024, Davangere, Karnataka, India |
| 144. | Amanulla Mohammad | CSE | A hybrid CNN model for enhanced Pneumonia detection using X-ray imaging | 18-19,october 2024 | SSITCON 2024, Sri Siddartha Institute of Technology, Tumukuru |
| 145. | Surya Lakshmi Kantham Vinti | CSE | Advanced Hybrid Transfer Learning Approaches for | 18-20, November 2024 | ICDICI-2024, SCAD College of Engineering & Technology, Chennai. |

| S. No | Name of the faculty | Department | Title of the Conference paper | Conference dates | Name of the conference & location |
|---|---|---|---|---|---|
| 146. | Dr. Ch. V. Raghavendran | IT | Leveraging Apriori and Bi-LSTM Networks to Uncover Complex Purchase Patterns in Market Basket Analysis | 19-20 September 2024 | BVRIT Narsapur, Medak, Telangana in association with Taylor &Francis |
| 147. | Ms. Rayavarapu Sridivya | CSE | An Efficient model for brain tumor classification through transfer learning approaches | 12-13 December 2024 | ICSES 2024 St. Joseph's Institute of Technology, Chennai, India. |
| 148. | Mr. M P Subbaraju | EEE | Optimal Design of Isolated Microgrid for Remote Location in India | 22-23 August 2024 | ICEES -2024 Sri Sivasubramaniya Nadar College of Engineering, Chennai, India |
| 149. | Mr. Ch. Ramprasad | MECH | Interpretation of Hybrid Natural Fiber Composites: A Sustainable Approach to Enhanced Mechanical Performance | 27 – 30 November, 2024 | IPLA Global Forum 2024 GITAM (Deemed to be) University, Visakhapatnam. |
| 150. | Dr. D Kishore | ECE | Enhanced Detection of Diabetic Retinopathy through Transfer Learning with DenseNet121 and XGBoost Classifier | 04 – 05 October, 2024 | IC3T, Mohan Babu University |