



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

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NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)

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### Student Publication in the Academic Year 2024-25

SI.No.	Name of the Authors	Department	Title of the Publication	DoI	Indexing
1	<b>G. Uday Kiran, Nakkeeran G., Dipankar Roy &amp; George Uwadiegwu Alaneme</b>	Civil Engineering	Optimization and prediction of paver block properties with ceramic waste as fine aggregate using response surface methodology	<a href="https://doi.org/10.1038/s41598-024-74797-4">https://doi.org/10.1038/s41598-024-74797-4</a>	SCIE
2	<b>Bhukya Govardhan Naik, Nakkeeran Ganesan, Dipankar Roy &amp; Golla Uday kiran</b>	Civil Engineering	Recycling glass waste in mortar: a sustainable approach to enhancing strength and density	<a href="https://doi.org/10.1007/s42107-024-01248-w">https://doi.org/10.1007/s42107-024-01248-w</a>	Scopus
3	<b>G. Uday kiran, G. Nakkeeran &amp; Dipankar Roy</b>	Civil Engineering	Thermal distribution of paver block with machine learning optimized design with alternative eco-friendly materials	<a href="https://doi.org/10.1007/s41062-024-01854-2">https://doi.org/10.1007/s41062-024-01854-2</a>	Scopus
4	<b>Bhukya Govardhan Naik, G. Nakkeeran, Dipankar Roy &amp; Golla Uday Kiran</b>	Civil Engineering	Machine learning-based destructive and non-destructive testing of paver block using fly ash and polyvinyl chloride into sustainable pedestrians	<a href="https://doi.org/10.1007/s41062-025-01956-5">https://doi.org/10.1007/s41062-025-01956-5</a>	Scopus
5	<b>M. Indumathi, G. Nakkeeran*, G. Uday kiran, Dipankar Roy, Amin Al-Fakih</b>	Civil Engineering	Mechanical and sustainability performance of concrete incorporated limestone powder, recycled ceramic aggregates, and coconut fibers	<a href="https://doi.org/10.1007/s41062-025-02018-6">https://doi.org/10.1007/s41062-025-02018-6</a>	Scopus
6	<b>Bhukya Govardhan Naik, G. Nakkeeran, Dipankar Roy, G. Uday Kiran, Kalyani Gurrām, Gade Venkata Ramanjaneyulu, George Uwadiegwu Alaneme &amp; Mutiu Shola Bakare</b>	Civil Engineering	Mechanical properties and machine learning analysis of concrete incorporating waste glass as coarse aggregate	<a href="https://doi.org/10.1007/s43621-025-01390-8">https://doi.org/10.1007/s43621-025-01390-8</a>	Scopus
7	<b>Golla Uday kiran, Nakkeeran Ganesan, Dipankar Roy, Sumant Nivarutti Shinde, Mamillapalli Indumathi, George Uwadiegwu Alaneme, Val Hyginus Udoka Eze &amp; Kuzmin Anton</b>	Civil Engineering	Evaluation of net-zero materials in mortar bricks with predictive modelling using random forest and gradient boosting techniques	<a href="https://doi.org/10.1007/s42452-025-07159-y">https://doi.org/10.1007/s42452-025-07159-y</a>	Scopus



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8	<b>G. Uday Kiran, G. Nakkeeran, Dipankar Roy, Sumant Nivarutti Shinde &amp; George Uwadiogwu Alaneme</b>	Civil Engineering	Enhancing the mechanical properties' performances coconut fiber and CDW composite in paver block: multiple AI techniques with a Performance analysis	<a href="https://doi.org/10.1038/s41598-024-83394-4">https://doi.org/10.1038/s41598-024-83394-4</a>	SCIE
9	<b>Bhukya Govardhan Naik, G. Nakkeeran, Dipankar Roy &amp; George Uwadiogwu Alaneme</b>	Civil Engineering	Investigating the potential of waste glass in paver block production using RSM	<a href="https://doi.org/10.1038/s41598-024-72789-y">https://doi.org/10.1038/s41598-024-72789-y</a>	SCIE
10	<b>Govardhan Naik B, Nakkeeran G &amp; Dipankar Roy</b>	Civil Engineering	Recycling glass waste into concrete aggregates: enhancing mechanical properties and sustainability	<a href="https://doi.org/10.1007/s42107-024-01181-y">https://doi.org/10.1007/s42107-024-01181-y</a>	Scopus
11	<b>M. Indumathi, G Nakkeeran, Dipankar Roy, Sonu Kumar Gupta &amp; George Uwadiogwu Alaneme</b>	Civil Engineering	Innovative approaches to sustainable construction: a detailed study of rice husk ash as an eco-friendly substitute in cement production	<a href="https://doi.org/10.1007/s42452-024-06314-1">https://doi.org/10.1007/s42452-024-06314-1</a>	Scopus
12	<b>P. Venugopal Reddy, G. Nakkeeran, Dipankar Roy &amp; George Uwadiogwu Alaneme</b>	Civil Engineering	Evaluating the use of recycled fine aggregates in 3D printing: a systematic review	<a href="https://doi.org/10.1007/s42452-024-06358-3">https://doi.org/10.1007/s42452-024-06358-3</a>	Scopus
13	<b>Anusha yarra, G. Nakkeeran, Dipankar Roy &amp; George Uwadiogwu Alaneme</b>	Civil Engineering	Evaluation of SCBA-replaced cement for carbon credits and reduction in CO2 emissions	<a href="https://doi.org/10.1007/s42452-025-06487-3">https://doi.org/10.1007/s42452-025-06487-3</a>	Scopus
14	<b>G. Sharan Sai Reddy; Venkata Pavan Kumar Arapirala; E. Manasa; V. Sivaji; V. Nishanth Achari; C Kamal Basha</b>	Electrical & Electronics Engineering	Efficiency Analysis of VSC Controllers: Discrete PWM vs Improved Hysteresis PWM for Voltage Sag Improvement in Grid-Connected Hybrid PV-Wind Systems	<a href="https://doi.org/10.1109/IConSCEPT61884.2024.10627905">DOI: 10.1109/IConSCEPT61884.2024.10627905</a>	Scopus
15	<b>R.Sunil Kumar; Venkata Pavan Kumar Arapirala; S Jaya Kiran; P Mahesh Babu; L. Prathyusha</b>	Electrical & Electronics Engineering	Three-Phase Power Distribution from Electric Vehicles: Enabling Rural Electrification and Sustainable Mobility	<a href="https://doi.org/10.1109/IConSCEPT61884.2024.10627889">DOI: 10.1109/IConSCEPT61884.2024.10627889</a>	Scopus
16	<b>K Lakshmikhandan; Chodagam Srinivas; K Swetha; S Gnapika; B Pavan; K Rajasekhar</b>	Electrical & Electronics Engineering	Support Vector Regression for Reactive Power Compensation: A Data-Driven Approach to Power Loss Reduction	<a href="https://doi.org/10.1109/ICAISS61471.2025.11042146">DOI: 10.1109/ICAISS61471.2025.11042146</a>	Scopus



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17	<b>Chodagam Srinivas; A. V. Pavan Kumar; V. Pranay Teja Reddy; B Pavan; K Himasagar Reddy; Y Yugandhar Reddy</b>	Electrical & Electronics Engineering	Cost Minimization in Residential Hybrid Energy Systems Using Advanced Scheduling Algorithms	<a href="https://doi.org/10.1109/ICAECT63952.2025.10958946">DOI: 10.1109/ICAECT63952.2025.10958946</a>	Scopus
18	<b>Chodagam Srinivas; Shaik Ayesha; Shaik Ahammad; T S Rahamath Ali; Thoti Sowjanya; Y Mohan Krishna</b>	Electrical & Electronics Engineering	Mitigating Power Losses in Distribution Systems: Integrating EV Charging Stations and Renewable Energy Sources	<a href="https://doi.org/10.1109/AMATHE61652.2024.10582139">DOI: 10.1109/AMATHE61652.2024.10582139</a>	Scopus
19	<b>Chodagam Srinivas; A. V. Pavan Kumar; Nigama Penugonda; Golla Deepthi; Sharan Kumar Reddy Agavinti; S.R. Reddy Mounish</b>	Electrical & Electronics Engineering	A Novel Hybrid TLBO-RAT Algorithm for Optimal and Cost-Effective Power Generation Scheduling	<a href="https://doi.org/10.1109/ICSSAS64001.2024.10760261">DOI: 10.1109/ICSSAS64001.2024.10760261</a>	Scopus
20	<b>Y. Yugandhar Reddy; Koduri Revathi; S. M. Abdul Rajak; C. Manohar; M. Charan Sai Naidu; Y. V. Krishna Reddy</b>	Electrical & Electronics Engineering	Optimizing Cost and Emissions in a 10-Unit Power Generation System using Different Optimization Techniques with Wind Energy Integration	<a href="https://doi.org/10.1109/ICDCECE65353.2025.11034810">DOI: 10.1109/ICDCECE65353.2025.11034810</a>	Scopus
21	<b>Chodagam Srinivas; Ibrahim Zafar; C Sravani; K Lalitha; N Sunil Kumar Reddy; K Chandu Babu</b>	Electrical & Electronics Engineering	Minimizing Energy Mismatch in Electric Vehicle Batteries With the Osprey Optimization Algorithm: A Novel Approach to SOC and Range Enhancement	<a href="https://doi.org/10.1109/ICAECT63952.2025.10958991">DOI: 10.1109/ICAECT63952.2025.10958991</a>	Scopus
22	<b>Bangi Lokesh; Ramesh Kumar Ravi; N Mahesh; Badugu Sekhar; Manigala Mahendra; Venkata Pavan Kumar Arapirala</b>	Electrical & Electronics Engineering	Design and Analysis of BLDC Motor-Based Electric Vehicle Using Fuzzy Logic Controller	<a href="https://doi.org/10.1109/IConSCEPT61884.2024.10627772">DOI: 10.1109/IConSCEPT61884.2024.10627772</a>	Scopus
23	<b>Vamsi C; Revathi Koduri; Revathy Gopinath; Sathish Kumar C; Sravya A; Tharun Kumar K</b>	Electrical & Electronics Engineering	QCA Revolution: Transforming ALU Operations in Microprocessor Structures	<a href="https://doi.org/10.1109/ICACCS60874.2024.10717070">DOI: 10.1109/ICACCS60874.2024.10717070</a>	Scopus



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24	<b>Smriti Baruah, Janmoni Borah, Perugu Yaswanth Reddy, Chamarthi Sindhupriya, Nara Sathvika, Subramaniam Rajasekaran</b>	Electronics & Communication Engineering	Device engineering of lead-free $\text{FaCsSnI3/Cs2AgBiI6}$ -based dual-absorber perovskite solar cell architecture for powering next-generation wireless networks	<a href="https://doi.org/10.1002/dac.5903">https://doi.org/10.1002/dac.5903</a>	SCIE
25	<b>Smriti Baruah, Janmoni Borah, B. Vandana, S. Simran, M. Nagendra &amp; Subramaniam Rajasekaran</b>	Electronics & Communication Engineering	Improvement of photovoltaic response in perovskite solar cell via all inorganic lead free cubic double $\text{La2NiMnO6/Cs3Bi2I9}$ based graded absorber architecture	<a href="https://doi.org/10.1007/s11082-024-07239-0">https://doi.org/10.1007/s11082-024-07239-0</a>	SCIE
26	<b>Smriti Baruah, Janmoni Borah, K. Keerthi, P.A. Banu, P. Anitha, S. Rajasekaran</b>	Electronics & Communication Engineering	Investigation of hybrid electron extraction architecture via integration of mono-shelled carbon nanotubes (MS-CNT) with perovskite oxide $\text{BaSnO3}$ for beyond 38% efficiency in $\text{BaZrSe3}$ photovoltaic cells	<a href="https://doi.org/10.1016/j.optcom.2025.131769">https://doi.org/10.1016/j.optcom.2025.131769</a>	SCIE
27	<b>Mohit Kumar Singh, Govindam Sharma, Kamisetty Likhita Bhavani, G. Lalitha, M. Likhith Krishna Yadav, and Subramaniam Rajasekaran</b>	Electronics & Communication Engineering	Efficient terahertz radiation absorption using a graphene and $\text{InSb}$ pixel-based metasurface absorber: design and simulation	<a href="https://doi.org/10.1364/JOSAB.546983">https://doi.org/10.1364/JOSAB.546983</a>	SCIE
28	<b>Janmoni Borah, Smriti Baruah, Saranya Rayasam, Sarath Chandrika Rayapati &amp; S. P. Kumar Reddy</b>	Electronics & Communication Engineering	5G Cellular Network Coverage with KUD-based SC Deployment	<a href="https://doi.org/10.3103/S0735272723100047">https://doi.org/10.3103/S0735272723100047</a>	Scopus
29	<b>R. Ravindraiah, Grande Naga Jyothi, J. Pavan Royal, B. Nagavardhan Reddy, B. Nithish Kumar</b>	Electronics & Communication Engineering	Deep Learning Classification of Diabetic Retinopathy Using ResNet-101 Convolutional Neural Networks	<a href="https://doi.org/10.4018/979-8-3693-6180-1.ch017">DOI: 10.4018/979-8-3693-6180-1.ch017</a>	Scopus
30	<b>R. Ravindraiah, Grande Naga Jyothi, Nukala Bharath Kumar, B. Ganesh, D. Badri</b>	Electronics & Communication Engineering	Enhanced Diabetic Retinopathy Classification Using Inception Net V3: A Deep Learning Approach	<a href="https://doi.org/10.4018/979-8-3693-6180-1.ch011">DOI: 10.4018/979-8-3693-6180-1.ch011</a>	Scopus



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31	<b>Sivala Tharun Kumar, Yarramreddy Vijaya Lakshmi, Posa Teja Sree, Nishant Sharan &amp; Mohit Kumar Singh</b>	Electronics & Communication Engineering	Performance Investigation of Metasurface Absorber Using CdTe and InAS for Terahertz Applications	<a href="https://doi.org/10.1007/978-981-96-1267-3_2">https://doi.org/10.1007/978-981-96-1267-3_2</a>	Scopus
32	<b>Mohit Kumar Singh; V Chandana; P Nikitha; K Rakshitha</b>	Electronics & Communication Engineering	Simulation investigations of a pixelated metasurface absorber comprising CdTe, InAs, and InSb pixels for terahertz radiation	<a href="https://doi.org/10.1109/CISCON62171.2024.10696349">DOI: 10.1109/CISCON62171.2024.10696349</a>	Scopus
33	<b>Prasanth. V. S; Patnam Thousifa; Sunkesula Vyshnavi; Ketham Yasaswitha; A. Parveen Akhther</b>	Electronics & Communication Engineering	Machine Learning Based Secure Cardless Financial Transactions Using Multi Factor Authentication	<a href="https://doi.org/10.1109/ICMCSI64620.2025.10883580">DOI: 10.1109/ICMCSI64620.2025.10883580</a>	Scopus
34	<b>Rakesh N. Tiwari, K. Geetha Malya, Girigari Nandini, P. Baby Nikhitha, Deepti Sharma, Prabhakar Singh, Pradeep Kumar</b>	Electronics & Communication Engineering	Quad-Band 1 × 4 Linear MIMO Antenna for Millimeter-Wave, Wearable and Biomedical Telemetry Applications	<a href="https://doi.org/10.3390/s24144427">https://doi.org/10.3390/s24144427</a>	Scopus
35	<b>Rakesh N. Tiwari, O. Sevankith Sai, Deepti Sharma, M. Shiva Kumar, Prabhakar Singh, Pradeep Kumar, Chittor Sreemanya, S. Rajasekaran</b>	Electronics & Communication Engineering	A low-profile dual-band millimeter wave patch antenna for high speed wearable and biomedical applications	<a href="https://doi.org/10.1016/j.rineng.2024.103212">https://doi.org/10.1016/j.rineng.2024.103212</a>	Scopus
36	<b>Rakesh N. Tiwari, Deepti Sharma, Prabhakar Singh, Bandrevu Guru Kullayappa, Pradeep Kumar, Boya Ranga Swamy, Gulimi Pavan Kumar, S. Rajasekaran</b>	Electronics & Communication Engineering	Triple band lateral 4-port flexible MIMO antenna for millimeter wave applications at 24/28/38 GHz	<a href="https://doi.org/10.1016/j.rineng.2025.104678">https://doi.org/10.1016/j.rineng.2025.104678</a>	Scopus
37	<b>Dhruba Jyoti Bora; Syed Sabiha; Bandi Renuka; Mandapalli Reddy Ranjitha</b>	Electronics & Communication Engineering	Study and Analysis of Electrode, Electrolyte and Skin Interface with Emphasis on Overall Magnitude of Impedance	<a href="https://doi.org/10.1109/AMATHE61652.2024.10582128">DOI: 10.1109/AMATHE61652.2024.10582128</a>	Scopus



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38	<b>B. Subbarayudu; Harshitha Yadalam; Jeevana Seepiri; Jayalakshmi Bhogathi</b>	Electronics & Communication Engineering	Glaucoma Detection through Synergistic Combination of Image Processing and Deep CNN using MATLAB	<a href="https://doi.org/10.1109/INCET61516.2024.10593177">DOI: 10.1109/INCET61516.2024.10593177</a>	Scopus
39	<b>G.Mahammed Rafi; NagaJyothi. Grande; K. Naveen; R. Harish; P. Venkatesh</b>	Electronics & Communication Engineering	Development and Assessment of a Four-Element Ultra-Wideband (UWB) MIMO Antenna System for 5G Implementations	<a href="https://doi.org/10.1109/AllIoT58432.2024.10574560">DOI: 10.1109/AllIoT58432.2024.10574560</a>	Scopus
40	<b>C. Kumar; N.Devi Sree; R.Dhana Lakshmi; B. Bhavana</b>	Electronics & Communication Engineering	Enhancing Radiologist's Performance in Breast Cancer Screening Using PSO Algorithm with CNN Classifier	<a href="https://doi.org/10.1109/CONIT61985.2024.10626732">DOI: 10.1109/CONIT61985.2024.10626732</a>	Scopus
41	<b>B. Shyamsundar; R. Venkateswara; H. Pavan Kumar; H. Shree Kumar</b>	Electronics & Communication Engineering	Development of a Fast and Energy-Efficient Carrier Bypass Adder with Tunable Delay Extension Using the Han Carlson Adder	<a href="https://doi.org/10.1109/ICITEICS61368.2024.10625150S">DOI: 10.1109/ICITEICS61368.2024.10625150S</a>	Scopus
42	<b>T. Shanthi; S R Sree Lakshmi; G Saileela; N S Sneha Latha</b>	Electronics & Communication Engineering	Implementing Interference Minimization Algorithm for Improved Performance in 8x8 MU-MIMO Systems	<a href="https://doi.org/10.1109/ICITEICS61368.2024.10624875">DOI: 10.1109/ICITEICS61368.2024.10624875</a>	Scopus
43	<b>Nishant Sharan; Mohit Kumar Singh; Gundlapalli Mamatha; Naggalla Chandrika; Gujjapaneni Masthan Babu</b>	Electronics & Communication Engineering	Investigation of Metasurface Absorber Using CdTe, Graphene and InSb for Terahertz Applications	<a href="https://doi.org/10.1109/CISCON62171.2024.10696257">DOI: 10.1109/CISCON62171.2024.10696257</a>	Scopus
44	<b>Indraja Lekkala, Likitha Mandyam, Jayanthi Chittipothala, T. Manivannan, E. Sathiyarayanan &amp; E. Aravindraaj</b>	Electronics & Communication Engineering	A Multiband Sierpinski Arrowhead Fractal Antenna with 3 x 3 CSRR Array for Various Wireless Applications	<a href="https://doi.org/10.1007/978-981-97-5703-9_30">https://doi.org/10.1007/978-981-97-5703-9_30</a>	Scopus
45	<b>E. Sathiyarayanan; N. Sridhar; T. Manivannan; A. Venkat; G. Nagendra Reddy; P. Nithin</b>	Electronics & Communication Engineering	Optimized High-Speed Wallace Tree Multiplier Using Parallel Prefix Adders	<a href="https://doi.org/10.1109/ICSSECC61126.2024.10649488">DOI: 10.1109/ICSSECC61126.2024.10649488</a>	Scopus
46	<b>Ramya Palaniappan, Maha Lakshmi, Namitha, Nirmala Devi, Naga Phani</b>	Computer Science & Engineering	An Ensemble-Based Machine Learning Framework for Breast Cancer Prediction	<a href="https://doi.org/10.1002/9781394271429.ch4">https://doi.org/10.1002/9781394271429.ch4</a>	Scopus



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47	<b>Kalpana Rangasamy, Pavan Kumar Reddy Chaganti, Sreeja Vedururu, Shilpa Buchupalli, Vijay Kalyan Kumar Reddy</b>	Computer Science & Engineering	Agriculture crop selection and yield forecasting using machine learning algorithms	<a href="https://doi.org/10.1063/5.0256272">https://doi.org/10.1063/5.0256272</a>	Scopus
48	<b>Ashpin Pabi Davidraj Jayarani; Nidhya Rangarajan; Sai Charan Reddy Badepalli; Sai Harika Neella; Subramanyam Kolla</b>	Computer Science & Engineering	Weapon recognition using deep learning for security applications	<a href="https://doi.org/10.1063/5.0247100">https://doi.org/10.1063/5.0247100</a>	Scopus
49	<b>Ramy Palaniappan; Johnhyde Policharla; Jahnvi Thota Reddy; Taruni Nandimandalam Veera; Bharath Kumar</b>	Computer Science & Engineering	A comprehensive health monitoring system for real-time patients with IoT connectivity	<a href="https://doi.org/10.1063/5.0247059">https://doi.org/10.1063/5.0247059</a>	Scopus
50	<b>Anandaraj Balasundaram; Venkata Swetha Suraboina; Balaji Maka; Avinash Thalupula</b>	Computer Science & Engineering	Smart agriculture yield prediction using machine learning	<a href="https://doi.org/10.1063/5.0248222">https://doi.org/10.1063/5.0248222</a>	Scopus
51	<b>Sudhakar Kothandapani; Poojith Kumar Recharla; Pavan Aditya Pasupula; Sandeep Gunupuru; Saheel Ahammed Syed</b>	Computer Science & Engineering	An improved self learning management system using modern next JS	<a href="https://doi.org/10.1063/5.0261437">https://doi.org/10.1063/5.0261437</a>	Scopus
52	<b>Eswar Sai Bokkasam; Blessy Manogna Danavulapadu; Dinesh Lakshmaiah; Jona Rufus Enrathi; Sudhakar Kothandapani</b>	Computer Science & Engineering	Identification of identical twins using deep learning	<a href="https://doi.org/10.1063/5.0247025">https://doi.org/10.1063/5.0247025</a>	Scopus



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53	<b>Chennuru Chetan Sai; Raguraman Purushothaman; Chinthaparthu Reddy Dhanush Reddy; Peddi Reddy Gangothi; V. Dhanush; Chintamanipeta Bhavana</b>	Computer Science and Engineering (Artificial Intelligence)	Integrating Optical Characteristic Recognition with Conversational AI: A Multimodal Chatbot Featuring Speech and Poster Generation	<a href="https://doi.org/10.1109/ICAISS61471.2025.11041931">DOI: 10.1109/ICAISS61471.2025.11041931</a>	Scopus
54	<b>Nandimedala Sridathu; Raguraman Purushothaman; Pacharla Sai Kumar; Haji Shameena; Gande Upendra</b>	Computer Science and Engineering (Artificial Intelligence)	Automated Malaria Detection and Severity Prediction using Deep Learning: A VGG19-based Approach	<a href="https://doi.org/10.1109/ICAISS61471.2025.11041927">DOI: 10.1109/ICAISS61471.2025.11041927</a>	Scopus
55	<b>Shahad P; Modin Rasheed Ahamed; Ronda Balaji; Nadavati Mahesh; Kambham Siva Nandini</b>	Computer Science and Engineering (Artificial Intelligence)	Exploring History: Monument Identification and Visualization using Deep Learning and Augmented Reality	<a href="https://doi.org/10.1109/ICAIT61638.2024.10690687">DOI: 10.1109/ICAIT61638.2024.10690687</a>	Scopus
56	<b>K Hemalatha; V Deepika; R M Mallika; Kona Mahesh Babu</b>	Computer Science and Engineering (Artificial Intelligence)	Large Language Model based Personalized Learning Assistant for Career-Oriented Skills	<a href="https://doi.org/10.1109/SCOPE64467.2024.10990788">DOI: 10.1109/SCOPE64467.2024.10990788</a>	Scopus
57	<b>R. Bhavana, S. Kalaivani, B. Dharanidhar, K. Keerthi Reddy, K. Lokesh, S.B. Keerthi Christopher</b>	Computer Science and Engineering (Artificial Intelligence)	Audio Forgery Alert: Uncovering Artificial Audio with Deepfake Detection		Scopus
58	<b>Sandhya Ethala; Bhavya Sri Kodipunjula; Uday Kiran Appalaneeni; Monisha Narsagari; Nalla Babu Wahaz</b>	Computer Science and Engineering (Artificial Intelligence)	A comprehensive review of computerized respiratory sound analysis and deep learning techniques for acoustic signal-based disease classification	<a href="https://doi.org/10.1063/5.0247165">https://doi.org/10.1063/5.0247165</a>	Scopus
59	<b>S.V.S. Ganga Devi; V. Sudeep Kumar; V. Rajesh Kumar Reddy</b>	Computer Science & Engineering (Cyber Security)	Enhancing Cyber-Physical System Security with NFT-Based Asset Digitization and Authentication	<a href="https://doi.org/10.1109/ICKECS65700.2025.11035347">DOI: 10.1109/ICKECS65700.2025.11035347</a>	Scopus
60	<b>Ganga Devi S V S; Reddy Prasad Reddy B; Seenu C</b>	Computer Science & Engineering (Cyber Security)	Next-Generation Inventory Management:Blockchain-Infused GAN Forecasting with ECDH Security Layer	<a href="https://doi.org/10.1109/ICoACT63339.2025.11005085">DOI: 10.1109/ICoACT63339.2025.11005085</a>	Scopus



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### Student Publication in the Academic Year 2024-25

SI.No.	Name of the Authors	Department	Title of the Publication	DoI	Indexing
61	<b>K. P. Manikandan, Madgula Amrutha Sai, Chilukala Shanmai Reddy</b>	Computer Science & Engineering (Cyber Security)	Enhancing Digital Forensics Security Involves the Implementation of a Robust Storage Framework that Employs AES Encryption alongside Efficient Key Generation Technique	<a href="https://doi.org/10.1109/ICICCS65191.2025.10984918">DOI:10.1109/ICICCS65191.2025.10984918</a>	Scopus
62	<b>K P Manikandan; Navaneeswar Reddy Onteddu; Abdul Kalam Chilimi</b>	Computer Science & Engineering (Cyber Security)	Next-Gen Malware Detection using AI AI-Powered Malware Threat Detection Automated Malware Classification Through Machine Learning	<a href="https://doi.org/10.1109/ICICCS65191.2025.10985389">DOI: 10.1109/ICICCS65191.2025.10985389</a>	Scopus
63	Paparao Mekala; B Surendiran; <b>P. Ramanathan; K Ramanjaneyulu; S Sai Manikanta Prakash; T Reddy Venkata Chetan</b>	Computer Science & Engineering (Data Science)	Multi-Class Skin Disease Classification: A Study of Transfer Learning Strategies for Deep Learning Models	<a href="https://doi.org/10.1109/IConSCEPT61884.2024.10627847">DOI: 10.1109/IConSCEPT61884.2024.10627847</a>	Scopus
64	<b>Nandhini Mahadevan; Thammisetty Swetha; N. Sai Kumudini; R. Yogendra; K. Sai Nithya Sree; Tirumalaiahgari Sajitha</b>	Computer Science & Engineering (Data Science)	Enhancing Image Recognition for Security Applications: A Machine Learning Approach	<a href="https://doi.org/10.1109/ICAIT61638.2024.10690431">DOI: 10.1109/ICAIT61638.2024.10690431</a>	Scopus
65	<b>N. K. Kumar, Angati Kalyan Kumar, G. Rajkumar, S. R. Himajasree, P. S. Vyshnavi, A. B. Dakka</b>	Computer Science & Engineering (Data Science)	Enhancing Alzheimer's Disease Detection: A Comparative Study of Deep Learning Techniques with Transfer Learning and Custom CNN Models	<a href="https://doi.org/10.1109/CINS63881.2024.10862993">DOI:10.1109/CINS63881.2024.10862993</a>	Scopus
66	<b>Prudhivi Anuradha, Lakshmi pathi Anantha Raman, Dandam Siva Kumar Goud, Mamini Sravani, Overse Sai Balaji</b>	Computer Science & Engineering (Data Science)	Design and Implementation of an IoT-Enabled Medication Delivery Robot for Isolated Patient Care	<a href="https://doi.org/10.1109/ICSSAS64001.2024.10760515">DOI:10.1109/ICSSAS64001.2024.10760515</a>	Scopus
67	<b>N. Komal Kumar; Angati Kalvan Kumar; Shaik Mohammed Yousuf; G. Bindusree; Chinnagopannagari Anand Reddy</b>	Computer Science & Engineering (Data Science)	Advancements in Face Detection: A Comparative Analysis of Classifiers and Feature Extraction Methods	<a href="https://doi.org/10.1109/INSPECT63485.2024.10896056">DOI: 10.1109/INSPECT63485.2024.10896056</a>	Scopus



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SI.No.	Name of the Authors	Department	Title of the Publication	DoI	Indexing
68	A. Kalyan Kumar; N. Komal Kumar; Thrushitha Reddy Konkala; Gajjala Varshitha; Yerrakondaiah Gari Vishnu Vardhan; Neeraj Kumar Uppu	Computer Science & Engineering (Data Science)	Real-Time Eye-Tracking Mouse Control System Using OpenCV and Facial Landmark Detection	<a href="https://doi.org/10.1109/INSPECT63485.2024.10895023">DOI: 10.1109/INSPECT63485.2024.10895023</a>	Scopus
69	S Kusuma; S Gopala Krishnan; R Vikram; Sufiya U D; Vikas Reddy R; Shashidhar Reddy G	Computer Science & Engineering (Data Science)	Text-Based Audio Correction Using Deep Learning Framework	<a href="https://doi.org/10.1109/ICERCS63125.2024.10895944">DOI: 10.1109/ICERCS63125.2024.10895944</a>	Scopus
70	Manjula Prabakaran, G. Shoyab Ali Khan, G. Kiran Kumar, K. Meghana, K. R. Sindhu	Computer Science & Engineering (Data Science)	Enhancing Fraud Detection with Deep Learning: A Robust Automated Counterfeit System	<a href="https://doi.org/10.1109/ICRASET63057.2024.10895088">DOI:10.1109/ICRASET63057.2024.10895088</a>	Scopus
71	Manjula Prabakaran; S Kusuma; S Aman; P Dinesh; S Faliha	Computer Science & Engineering (Data Science)	Unlocking a New Era in Human-Computer Interaction with Transformative AI Virtual Mice for Unparalleled Accessibility, Hygiene, and User Experience	<a href="https://doi.org/10.1109/ICRASET63057.2024.10895157">DOI: 10.1109/ICRASET63057.2024.10895157</a>	Scopus
72	R. Manikandan; B. Mythili; R. Pushyara; M. Karthik Reddy; B. Mallikarjun Reddy	Computer Science & Technology	An Insightful Approach to Cardiomegaly through CNN and Feature Mapping	<a href="https://doi.org/10.1109/CISCSD63381.2024.00018">DOI: 10.1109/CISCSD63381.2024.00018</a>	Scopus
73	N. Mageshkumar, D. Supritha, C. Tharunkumar, Sowmya Sree, R. Manikandan & N. Arunpriya	Computer Science & Technology	Enhancing Network Security Through Intrusion Detection Utilizing the BAT-MC Model	<a href="https://doi.org/10.1007/978-981-96-1188-1_32">https://doi.org/10.1007/978-981-96-1188-1_32</a>	Scopus
74	N Saikiran; K Yogeswar Reddy; C Pavanewara Reddy; S Karthik	Computer Science & Technology	Advanced Anomaly Detection in Cloud Security Using Gini Impurity and ML	<a href="https://doi.org/10.1109/ICAIC60222.2024.10575757">DOI: 10.1109/ICAIC60222.2024.10575757</a>	Scopus
75	N SaiKiran; S Indu; N Naveen Kumar Reddy; G Jashnavi; K Praveen Kumar	Computer Science & Technology	Innovative Integration of Deep Learning and Neural Networks in Heart Disease Prediction	<a href="https://doi.org/10.1109/CISCSD63381.2024.00032">DOI: 10.1109/CISCSD63381.2024.00032</a>	Scopus
76	Syed Mohaseena Tabassum; N.Saikiran; Nadipannagari Lokesh Reddy; Marripati Navatha; Gali Priyanka	Computer Science & Technology	Cardio-Detect: A Hybrid ML-DL Technique for Identifying Cardiovascular Diseases in ECG Images	<a href="https://doi.org/10.1109/ICPCSN65854.2025.11035583">DOI: 10.1109/ICPCSN65854.2025.11035583</a>	Scopus



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SI.No.	Name of the Authors	Department	Title of the Publication	DoI	Indexing
77	<b>Shaik Samiulla; V. Naveen; Jekkineni Sai Sree; Bukhya Venkataramana Naik; Chinnuru Udaykiran</b>	Computer Science & Technology	Exploring Zero-Shot Learning in Natural Language Processing for Cross-Domain Applications	<a href="https://doi.org/10.1109/ICDSAAI65575.2025.11011840">DOI: 10.1109/ICDSAAI65575.2025.11011840</a>	Scopus
78	<b>Pathan Firoz Khan; G. Karthisha Reddy; P. Siva Sai; B. Gangadhar; Mohammad Roshan Zameer</b>	Computer Science & Technology	Empowering Human Expertise in Multi-objective Optimization with Artificial Immune System	<a href="https://doi.org/10.1109/CISCS63381.2024.00025">DOI: 10.1109/CISCS63381.2024.00025</a>	Scopus
79	<b>Junnubabu Noorbhasha; Rohitha Guddeti; Satvika Lingutla; Sujitha Etikikota; Santhosh Kumkumkari</b>	Computer Science & Technology	Semantic Threads Enabling Image-Text Retrieval via VQA Transformers	<a href="https://doi.org/10.1109/CISCS63381.2024.00056">DOI: 10.1109/CISCS63381.2024.00056</a>	Scopus
80	<b>C. Manoj Reddy; Devanolla Suresh; A. Lakshmi Thanuja; C M Mansha Firdose; N. Manoj Kumar</b>	Computer Science & Technology	Improving Question Answering Systems Using Knowledge Graph Integration and NLP Techniques	<a href="https://doi.org/10.1109/ICDSAAI65575.2025.11011718">DOI: 10.1109/ICDSAAI65575.2025.11011718</a>	Scopus
81	<b>B.L. Vennala; Devanolla Suresh; P. Samiya; M. Suresh; B. Vamsi</b>	Computer Science & Technology	Integrating Artificial Intelligence with Cloud Platforms to Optimize Performance, Scalability, and Reliability in Distributed Computing Systems	<a href="https://doi.org/10.1109/ICDSAAI65575.2025.11011769">DOI: 10.1109/ICDSAAI65575.2025.11011769</a>	Scopus