



Publications: Faculty Members

Academic Year: 2023-2024

Department of CSE
(Artificial Intelligence and Machine Learning)

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous)



Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous)

Department of CSE (Artificial Intelligence and Machine Learning)

Publication Details: Faculty Members

Academic Year: 2023-24

Journal Publications - SCI / SCIE

1. Devakishan Adla, G. Venkata Rami Reddy, Padmalaya Nayak, G. Karuna, “A full-resolution convolutional network with a dynamic graph cut algorithm for skin cancer classification and detection”, Healthcare Analytics, vol. 3, Article No. 100154, November 2023, DOI: <https://doi.org/10.1016/j.health.2023.100154>
2. P. Sreedevi, Ajmeera Kiran, T. Santhi Sri, E. Poornima, Sanjeeva Polepaka, Y. Supriya Reddy, “Da-resbigru - brain tumor classification using Dual attention residual bidirectional gated recurrent unit using MRI images”, Biomedical Signal Processing and Control, vol. 88, Article No. 105596, pp. 1-12, February 2024, <https://doi.org/10.1016/j.bspc.2023.105596>

Conference Proceedings (with SCOPUS INDEXING)

1. M. Shamila, Bhanu Prakash, Asrar Ahmed, Poshak Prajeet, Ruby Pan, “Smart Attendance Automation System”, In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01019, vol. 430, pp. 1-9, October 2023, DOI: [10.1051/e3sconf/202343001019](https://doi.org/10.1051/e3sconf/202343001019)
2. R.P. Ram Kumar, A. Rithesh, Pranav Josh, B. Karthik Raj, Vivek John and Doma Shiva Prasad, “Sleep Track: Automated Detection and Classification of Sleep Stages”, In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 010120, vol. 430, pp.1-13, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001020>
3. G. Karuna, M. Akshith, Parige Sai Dinesh, Bodhan Vishnu Vardhan, Yashwant Singh Bisht and M.N. Narsaiah, “Automated Abstractive Text Summarization using Deep Learning”, In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 010121, vol. 430, pp. 1-13, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001021>
4. R.P. Ram Kumar, A. Chandra Prasad, K. Vishnuvardhan, K. Bhuvanesh and Sanjeev Dhama, “Automated Handwritten Text Recognition”, In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01022, vol. 430, pp. 1-11, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001022>

5. E. Poornima, Suryadevara Mohit, Kunduru Cheres Reddy, Vallepu Hemchandra, Awadhesh Chandramauli and Peram Kondal Rao, "Deep Generative Models for Automated Dehazing Remote Sensing Satellite Images", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01024, vol. 430, pp. 1-13, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001024>
6. Sanjeeva Polepaka, Varikuppala Prashanth Kumar, S. Umesh Chandra, Hema Nagendra Sri Krishna and Gaurav Thakur, "Automated Caption Generation for Video Call with Language Translation", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01025, vol. 430, pp. 1-13, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001025>
7. Polepaka Sanjeeva, Vanipenta Balasri Nitin Reddy, Jagirdar Indraj Goud, Aavula Guru Prasad and Ashish Pathani, "TEXT2AV – Automated Text to Audio and Video Conversion", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01027, vol. 430, pp. 1-10, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001027>
8. P. Deepthi, A. Abhinav, K. Ganesh Srikar, E. Saketh and Devendra Singh, "IoT - based Sustained Belt for Visually Impaired People", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01028, vol. 430, pp. 1-10, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001028>
9. K. Arun, Sai Phaneesh, Surya Prakash Reddy, Sai Sreeman and Yamini Ghildiyal, "An Information System on Fetal Health Classification based on CNN and Hybrid - CNN with Dimensionality Reduction", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01029, vol. 430, pp. 1-12, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001029>
10. G. Karuna, A. Srinith Reddy, K. Vishal, E. Pavan and Gaurav Singh Negi, "Smart and Sustainable Surveillance System", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01030, vol. 430, pp. 1-12, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001030>
11. A. Madhavi, Mariseti Sathya Abhijna, Peddanna Sumanjali, Shane Supraja, Manish Ghalwan and M. Rathna Chary, "Automated Diagnosis of Pneumonia using CNN and Transfer Learning Approaches", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01031, vol. 430, pp. 1-13, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001031>
12. R. P. Ram Kumar, B. Sahithi, K. Neeharika, M. Shivaleela, Digvijay Singh and K. Rama Krishna Reddy, "Automation of Credit Card Customer Churn Analysis using Hybrid Machine Learning Models", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01034, vol. 430, pp. 1-11, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001034>
13. E. Poornima, P. Mamatha, M. Krishnamai, Ch. Sruthi, Sanjeev Kumar Shah and L. Raghu Kumar, "Automated Early Phase Breast Cancer Detection using Hybrid Machine Learning Algorithms", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01035, vol. 430, pp. 1-11, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001035>

14. T. Annapurna, P.V.G.S. Rajeswari, Aeloorie Likitha, Gadi Deekshitha, Sonal Sharma, Y. Venkat Rao and R.P. Ram Kumar, "Predicting Smartphone Vision Syndrome: A Feasible Approach using Machine Learning Algorithms", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01036, vol. 430, pp. 1-14, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001036>
15. Machikuri Santoshi Kumari, Chiguru Keerthi Priya, Gondhi Bhavya, Haridas Neha, Monisha Awasthi and Surendra Tripathi, "Viable Detection of URL Phishing using Machine Learning Approach", ", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01037, vol. 430, pp. 1-10, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001037>
16. G. Karuna, Gomaram Gowthami Reddy, J. Sushmitha, Bitla Gayathri, Sameer Dev Sharma and Debnarayan Khatua, "Helpi – An Automated Healthcare Chatbot", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. : 01040, vol.430, pp. 1-9, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001040>
17. Vanam Manasa, Damagari Alekya, Dash Shreya Sonalin, Kurva Shivathmika, Amar Jeet Rawat and Mohammed Ahmed Mohiuddin, "Feasible LSTM Model for Detection of Sign and Body Language", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. : 01041, vol. 430, pp. 1-8, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001041>
18. Polepaka Sanjeeva, Vallepu Sriya, Mahjabeen Saniya, Matta Lohitha, Ishteyaaq Ahmad and K. Swapna Rani, "Automated Detection of Drowsiness using Machine Learning Approach", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. : 01042, vol. 430, pp. 1-8, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001042>
19. M. Anjaneyulu, Phuke Shreyas Rao, Madasi Rakesh, Sirigiri Shiridi, Manisha Khanduja and Srinivas Jhade, "Smart E-Commerce: A Novel Lease Option Model for HealthCare Equipment", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01043, vol. 430, pp. 1-8, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001043>
20. Gotlur Karuna, Chalamalla Eshwar, Yamsani Sai Bharath, Dalijet Rohan, Harish Dutt Sharma and S.M. Naveen Raja, "An Automated System to Detect Plant Disease using Deep Learning", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. : 01044, vol.430, pp. 1-14, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001044>
21. G. Karuna, Pavuluri Anvesh, Chiranji Sharath Singh, Kommula Ruthvik Reddy, Praveen Kumar Shah and S. Siva Shankar, "Feasible Sentiment Analysis of Real Time Twitter Data", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01045, vol. 430, pp. 1-10, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001045>
22. Polepaka Sanjeeva, M. Sai Sathwik, G. Sai Prasad, G. Praneeth Reddy, Vijaylakshmi Sajwan and Bande Ganesh, "Decentralized and Automated Online Voting System using Blockchain Technology", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No.

- 01046, vol. 430, pp. 1-10, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001046>
23. M. Shamila, M. Srinivas, H. Aryan Suresh, T. Viswa Sai Poojith, Dharmendra Kumar and Bommala Harikrishna, "Feasible Prediction of Diabetes in Pregnant Woman and Neonatal Mellitus in New Born Child using Machine Learning", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01047, vol.430, pp. 1-9, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001047>
 24. Ediga Poornima, Ganji Abhishek, Krishna Shastry Rushi Hari Haran, Banala Rishik Kumar and Ruby Faizan, "Feasible Trend Prediction for 2019 Indian General Elections", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. : 01048, vol.430, pp. 1-12, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001048>
 25. E. Annapoorna, Palreddy Nithin Sai, Konda Raj Shreyas Goud, Kourikanti Koushik and Manisha Saini, "Automated Diet and Exercise Suggestion based on Obesity Classification", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01049, vol. 430, pp. 1-12, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001049>
 26. R. P. Ram Kumar, Racha Varun, Jageer Sreeshwan, Kondroju Arun Kumar, Upasana Rana and A. Rajyalakshmi, "Feasible Skin Lesion Detection using CNN and RNN", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01050, vol. 430, pp. 1-8, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001050>
 27. Banoth Ramesh, G. Srinivas, P. Ram Praneeth Reddy, M.D. Huraib Rasool, Divya Rawat and Madhulita Sundaray, "Feasible Prediction of Multiple Diseases using Machine Learning", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01051, vol. 430, pp. 1-10, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001051>
 28. Polepaka Sanjeeva, Jampana Ajith Varma, Valaparla Sathvik, Attemla Abhinav Sai Ratan and Sanjay Mishra, "Automated Cricket Score Prediction", In the proceeding of 15th E3S Web of Conferences, International Conference on Materials Processing and Characterization (ICMPC 2023), Article No. 01053, vol. 430, pp. 1-7, October 2023, DOI: <https://doi.org/10.1051/e3sconf/202343001053>
 29. Nikolai Ivanovich Vatin, A. Madhavi, "Enhancing electric vehicle efficiency through model predictive control of power electronics", In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01168, pp.1-11, March 2024, DOI: <https://doi.org/10.1051/matecconf/202439201168>
 30. Nikolai Ivanovich Vatin, V. Manasa, "Predictive machine learning for optimal energy management in sustainable transportation systems". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01169, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/matecconf/202439201169>
 31. Khristina Maksudovna Vafaeva, K. Saritha, "Optimizing wireless charging infrastructure placement using genetic algorithms". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01170, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/matecconf/202439201170>

32. Kseniia Iurevna Usanova, B. Ramesh, "Neural network-assisted integration of renewable sources in microgrids: A case study". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01172, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201172>
33. Oleg Igorevich Rozhdestvenskiy, P. Deepthi, "Intelligent agents for advanced power system protection schemes". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences", vol. 392, no. 01173, pp. 1-10, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201173>
34. Nikolai Ivanovich Vatin, R. P. Ram Kumar, "Blockchain-Enabled Cybersecurity Framework for Electric Transportation Systems". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01174, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201174>
35. Darya Viktorovna Nemova, K. Arun, "Machine Vision for Efficient Electric Vehicle Charging Station Deployment". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01175, pp. 1-10, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201175>
36. Khristina Massudovna Vafaeva, P. Sanjeeva, "Comparative analysis of lithium-ion and flow batteries for advanced energy storage technologies". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01176, pp. 1-9, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201176>
37. Kseniia Iurevna Usanova, M. Santoshi Kumari, "Metaheuristic Algorithms for Optimal Sizing of Renewable Energy Systems in Smart Grids", In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01177, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201177>
38. Oleg Igorevich Rozhdestvenskiy, E. Poornima, "Enabling Sustainable Urban Transportation with Predictive Analytics and IoT. MATEC Web of Conferences", In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01179, pp. 1-10, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201179>
39. Manish Kumar, E. Annapurna, "Evolutionary algorithms for dynamic optimization of plug-in charging station networks". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01180, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201180>
40. Rajeev Sobti, M. Anjaneyulu, "Hybrid Renewable Energy Microgrids: A Genetic Algorithm Approach to System Design". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01182, pp. 1-10, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201182>
41. Ginni Nijhawan, T. Annapurna, "Advanced battery management systems: An in-depth comparative study". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01186, pp. 1-12, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201186>

42. Aman Mittal, G. Karuna, "Optimization of wind-solar hybrid microgrids using swarm intelligence algorithms". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01187, pp. 1-12, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201187>
43. Lavish Kansal, E. Poornima, "IoT-Enabled predictive maintenance for sustainable transportation fleets". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01189, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201189>
44. Vaibhav Mittal, M. Shamila, "Genetic algorithms for optimizing the layout of wireless charging networks". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01190, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201190>
45. Harminder Singh, E. Annapoorna, "Fuzzy logic-based energy management in smart grids for renewable integration". In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01191, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201191>
46. Amit Dutt, G. Karuna, "Machine learning approaches for fault detection in renewable microgrids", In proceedings of International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024), MATEC Web of Conferences, vol. 392, no. 01192, pp. 1-11, March 2024, DOI: <https://doi.org/10.1051/mateconf/202439201192>
47. Arelli Madhavi, Dukkipati Likithasree, Sai Deepika Palacharla, Deevi Sri Sai Vynika, Muntather Almusawi, Manjunatha, Amit Dutt and Ashish Parmar, "Sustainable practices for semi-paralysed people using gesture-link paralysis glove", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-12, Article No. 01001, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701001>
48. Rakesh Chandrashekar, Mohammad Q, Madhavi Arelli, Amit Dutt, Vandana Arora Sethi and Rao A. L. N, "Enhanced Surface Protection: Microwave-Assisted Metallic Cladding of Ni-ZrO₂ Mixture onto SS-304", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01002, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701002>
49. V. Manasa, Palagulla Sri Thanvi, Cherukuri Srija, Gopathi Kruthika, Mohammed Al-Farouni, Anandhi R. J, Atul Singla and Ashish Parmar, "Indoor air quality analysis and sustainable practices", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-12, Article No. 01004, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701004>
50. Santosh Kumar B, Manasa V, Atul Singla, Lalit Kumar Tyagi, Arun Pratap Srivastava and Hawraa Kareem, "Green Microwave-Assisted Cladding: Enhancing SS-304 with Ni-ZrB₂ Composite Coatings, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-12, Article No. 01005, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701005>

51. K. Saritha, Cherukuri Abhiram, Poreddy Anvith Reddy, Sundralla Sai Sathwik, Nayab Rasool Shaik, Laith H. Alzubaidi, Vijilius Helena Raj, Amit Dutt and Dinesh Kumar, "IoT enabled hospital asset tracking using advanced interdisciplinary approaches", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-12, Article No. 01007, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701007>
52. Shashi Prakash Dwivedi, Shilpa Pahwa, Amit Dutt, Saritha K, Rajalakshmi B and Raghad Ahmed, "Revolutionizing Surface Enhancement: Microwave-Assisted Cladding of Ni-Boron Nitride Mixture onto SS-304", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-10, Article No. 01008, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701008>
53. Ramesh Banoth, G. Bhanu, N. Shishia, M. Vaishnavi, Hazim Y. Saeed, Asha V, Ginni Nijhawan and Irfan Khan, "Prediction of Stock with On-Go Billing Cart using IoT and Advanced Interdisciplinary Approaches", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-8, Article No. 01013, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701013>
54. Kakoli Rao A, Ashish Kumar Parashar, Nijhawan Ginni, Ramesh Banoth, Gunapriya Balan and Ali Abdulhussein Hameed, "Microwave-Assisted Cladding of Ni-BaTiO₃ Mixture onto SS-304 for Enhancing the Wear Resistance and Surface Hardness", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01014, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701014>
55. Abhishek Saxena, Anandhi R. J., B. Ramesh, Ashish Fande, Pradeep Kumar Chandra, Vandana Arora Sethi and Mohammed Al-Farouni, "Advancing Sustainable Agriculture through Resource Efficiency", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-8, Article No. 01006, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701006>
56. Palakurthy Deepthi, Katpally Subhashini, Buddharaju Sai Vaishnavi, Polapalli Gitali, Kahtan A. Mohammad, Rakesh Chandrashekar, Ginni Nijhawan and Ravi Kalra, "Beyond Food: using smart pest management in IoT greenhouses to foster environmental sustainability", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-8, Article No. 01006, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701016>
57. Laith Jasim, Uma Reddy N V, Deepthi P, Nijhawan Ginni, Koushal Dhamija and Ankit Meheta, "Advancing Surface Hardness and Wear Resistance: Microwave-Assisted Cladding of Ni-TiC Mixture onto SS-304", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-10, Article No. 01017, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701017>
58. R. P. Ram Kumar, K. Vamsi Krishna, Sharath Chandra, Kali Sathish, Muthana Saleh Mashkour, Aravinda K, Amandeep Nagpal and Praveen, "Enhancing Residential Security: Implementation of an IoT-based Anti-Theft Flooring System", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology

- (ICFTEST-2024), vol. 507, pp. 1-10, Article No. 01019, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701019>
59. Mohammad Q, Asha Rani Borah, Ram Kumar R P, Amandeep Nagpal, Shilpi Chauhan and Ankit Meheta,” Advancements in Aluminum-Based Composite Manufacturing: Leveraging ZrO₂ Reinforcement through Friction Stir Process”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-12, Article No. 01020, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701020>
 60. K. Arun, Nandigum Sowmya Chowdary, Harinarthini Sreeja, Shaik Azmeen Kaif, Mohammed Al-Farouni, Uma Reddy, Amandeep Nagpal and Praveen, “IoT-enabled landslide detection mitigating environmental impacts”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp.1-8, Article No. 01022, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701022>
 61. Hawraa Kareem, Veeresh G, Arun K, Amandeep Nagpal, Preeti Maan and Harjeet Singh, “Enhancing Aluminum-Based Composite Manufacturing: Leveraging ZrB₂ Reinforcement via Friction Stir Process”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-10, Article No. 01023, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701023>
 62. Sanjeeva Polepaka, Harshini Sangem, Amrutha Varshini Aleti, Akshitha Ajjuri, Myasar Mundher Adnan, Swathi B, Amandeep Nagpal and Ravi Kalra,” Promoting sustainable safety: Integrating fall detection for person and wheelchair safety”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01025, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701025>
 63. Harjeet Singh, Radha Goel, Amandeep Nagpal, Sanjeeva P, Karthiyayini J and Raghad Ahmed,” Enhancing Aluminum-Based Composite Manufacturing: Leveraging Si₃N₄ Reinforcement via Friction Stir Process”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01026, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701026>
 64. Santoshi Kumari Machikuri, Bhavith Kumar Valluri, Johnson Bathula, Saleem Pasha, Rahman S. Zabibah, Anandhi R J, Navdeep Singh and Ravi Kalra, “Advanced interdisciplinary techniques for revolutionized government ration dispensing system using IoT”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 191, Article No. 01028, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701028>
 65. Tarunika Sharma, Santoshi Kumari M, Navdeep Singh, Savita Bhati, Deepika Arora and Ahmed Salam Abood, “Boron Nitride Reinforcement: Revolutionizing Aluminum-Based Composite Manufacturing via Friction Stir Process”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-13, Article No. 01029, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701029>
 66. Poornima Ediga, Pravalika Gullapelly, Tejaswi Edukulla, Kaavya Nunna, Mohammed Al-Farouni, Revathi V, Navdeep Singh and Ashwani Kumar,” Promoting sustainable living: IoT-integrated smart homes for elderly people”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-13, Article No. 01033, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701033>

67. Mohammad Q, Gopal K, Poornima E, Navdeep Singh, Vandana Arora Sethi and Vandna Kumari,” Aluminum-Alumina Composite Manufacturing: Unlocking Potential with Friction Stir Processing”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-13, Article No. 01034, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701034>
68. E. Annapoorna, T. Parthiv Patel, C. Praneeth, P. Jai Sanjay, Myasar Mundher adnan, Vijilius Helena Raj, H. Pal Thethi and Ravi Kalra, “Sustained Approach for Accident Detection and Rescue Alerting System”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01035, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701035>.
69. Hawraa Kareem, Hemanth Raju, Annapoorna E, H. Pal Thethi, Lalit Kumar Tyagi and Vandna Kumari, “Advancements in Aluminum-Based Composite Manufacturing: Leveraging La₂O₃ Reinforcement through Friction Stir Process”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-12, Article No. 01036, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701036>.
70. M. Anjaneyulu, Pandala Devika Gaud, Sabbineni Keerthika, Reva Merugu, Muntather Almusawi, Asha V, H Pal Thethi and Praveen, “Sustainable practices for plant nutrient control using IoT”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-10, Article No. : 01039, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701039>
71. Ahmed Salam Abood, Muthuswamy Jayanthi, Anjaneyulu M, H. Pal Thethi, Shivani Singh and Neeraj Chahuan, “Advancing Aluminum-Based Composite Manufacturing: Leveraging WC Reinforcement through Stir Casting Technique”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01040, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701040>
72. T. Annapurna, Sai Siddesh Mamidoju, Gurram Parthasaradhi, Kancherdas Akash, Haider Alabdeli, Swathi B, Alok Jain and Ashwani Kumar, “An IoT-based vision alert for blind using interdisciplinary approaches” , In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01047, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701047>
73. Raghad Ahmed, Prashanth K S, T. Annapurna, Alok Jain, Preeti Maan and Irfan Khan, “Revolutionizing Aluminum-Based Composite Manufacturing: Harnessing Fly Ash and Rice Husk Ash Reinforcement through Stir Casting for Sustainability”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-10, Article No. 01048, March 2024, DOI : <https://doi.org/10.1051/e3sconf/202450701048>
74. Poornima Ediga, Hansika Cheemakurthy, Mokshagna Kaslavada, Manu Hajari, Haider Alabdeli, Revathi V, Manish Gupta and Bhisim Pratap, “Smart Cultivation with IoT Monitoring and Fertilizer Recommendation System with Climatic Conditions”, In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), Vol. : 507, PP. : 1-9, Article No. : 01054, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701054>
75. Hazim Y. Saeed, Rashi Khubnani, Poornima Ediga, Manish Gupta, Rajeev Kumar and Ravi Kalra, “Buckling Analysis of Vertical Structures: A Comprehensive Finite Element Study”

- , In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-7, Article No. 01055, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701055>
76. M. Shamila, Harika Sundala, Akshitha Papatla, R. P. Ram Kumar, Rahman S Zabibah, Vijilius Helena Raj, Manish Gupta and Bhishm Pratap, "SMS-based heart attack detection system", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-8, Article No. 01057, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701057>
 77. Kahtan A. Mohammed, Muthuswamy Jayanthi, M. Shamila, Manish Gupta, Vandana Arora Sethi and Ashwani Kumar, "Synergizing ANSYS Simulations and Machine Learning for Transient Thermal Analysis in Aluminium Alloys", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-6, Article No. 01058, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701058>
 78. E. Annapoorna, Aditi Manduva, R. P. Ram Kumar, Manu Hajari, Haider Alabdeli, B. Rajalakshmi, Manish Gupta and Praveen, "Smart garden with intruder detection system", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-9, Article No. 01060, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701060>
 79. Manish Gupta, Rajesh Gundlapalle, E. Annapoorna, Mohammed Al-Farouni, Lalit Kumar Tyagi and Bhishm Pratap, "Flexural behavior of composite material under three point bending load", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-9, Article No. 01061, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701061>
 80. G. Karuna, R. P. Ram Kumar, Polepaka Sanjeeva, Palakurthy Deepthi, Hazim Y. Saeed, Asha V, Lavish Kansal and Praveen, "Crop recommendation system and crop monitoring using IoT", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-11, Article No. 01063, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701063>
 81. Lavish Kansal, Laith H. Alzubaidi, Gurulakshmi A B, G. Karuna, Shilpa Pahwa and Karabi Kalita Das, "Effect of Ambient temperature on the plastic products using the finite element method", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-6, Article No. 01064, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701064>
 82. Ahmed Salam Abood, Prashanth K S, Saritha K, Lavish Kansal, Ashish Kumar Parashar and Pramod Kumar, "Estimation of PCU's in Heterogeneous Traffic by Different methods", In the proceeding of E3S Web of Conferences, International Conference on Futuristic Trends in Engineering, Science & Technology (ICFTEST-2024), vol. 507, pp. 1-8, Article No. 01070, March 2024, DOI: <https://doi.org/10.1051/e3sconf/202450701070>