



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(Autonomous)

L.B. Reddy Nagar, Mylavaram – 521230, Andhra Pradesh, INDIA

Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, With "A" Grade, NBA Tier-1 for ECE, EEE, CSE, IT, ME, ASE & CE

Recognised by Scientific and Industrial Research Organisation (SIRO)

Research & Development Cell

Date: 01-08-2024

i. SCI/ESCI Papers

SCI Papers: 45

AI&DS: 0 ASE: 1 CE: 0 CSE:5 CSE(ML): 2 ECE:10 EEE:6 IT: 5 ME:10 MBA: 0 FED: 6 Total: 45

Department of Aerospace Engineering (ASE): 01

1. Dakshina Murthy Inturi, Lovaraju Pinnam, Ramachandra Raju Vegesna, Ethirajan Rathakrishnan, **Effect of secondary fluid injection on flow through supersonic nozzle** -, Journal of Visualization, June 2024, <https://doi.org/10.1007/s12650-024-01013-w>

Q2 Journal

Department of Computer Science Engineering (CSE): 05

2. Erukala Suresh Babu, Mekala Srinivas Rao, Gandharba Swain, A. KousarNikhath, RajeshKaluri, **Fog-Sec: Secure end-to-end communication in fog-enabled IoT network using permissioned block chain system**, , Int J Network Mgmt., 1099-1190, pno:1-28, Aug-2023, 1055-7148, <https://doi.org/10.1002/nem.2248>

Q2 Journal

3. K.K. Baseer, K. Sivakumar, **Duggineni Veeraiah**, Gunjan Chhabra, Prasanna Kumar Lakineni, M. Jahir Pasha, RamuGandikota g, GopakumarHarikrishnanh, **Healthcare diagnostics with an adaptive deep learning model integrated with the Internet of medical Things (IoMT) for predicting heart disease**, Biomedical Signal Processing and Control, Volume 92, June 2024, 105988. <https://www.sciencedirect.com/science/article/abs/pii/S1746809424000466>

Q1 Journal

4. Mahesh Kumar Morampudi, NagamaniGonthina, SriramuluBojjagani, Neeraj Kumar Sharma, **Duggineni Veeraiah**, **Reliable and privacy-preserving multi-instance iris verification using Paillier homomorphic encryption and one-digit checksum**, Signal, Image and Video Processing, Feb-2024, ISSN.NO.1863-1703. <https://link.springer.com/article/10.1007/s11760-024-03036-0>

Q2 Journal

5. Sriramulu Bojjagani, **Nagarjuna Reddy Seelam**, Neeraj Kumar Sharma, Ravi Uyyala, Sree Rama Chandra Murthy , Anup Kumar Maurya, **The use of IoT-based wearable devices to ensure secure lightweight payments in FinTech applications**, , Journal of King Saud

University - Computer and Information Sciences, Volume 35, Issue 9, 2023,
<https://doi.org/10.1016/j.jksuci.2023.101785>

Q1 Journal

6. N. Meenakshi, Sultan Ahmad, A. V. Prabu, **J. Nageswara Rao**, Nashwan Adnan Othman, Hikmat A. M. Abdeljaber, R. Sekar, Jabeen Nazeer, **Efficient Communication in Wireless Sensor Networks Using Optimized Energy Efficient Engroove Leach Clustering Protocol**, Tsinghua Science and Technology, Vol:29, Feb-24, pg No.985-1001, ISSN:1007-0214, <https://www.sciopen.com/article/10.26599/TST.2023.9010056>

Q1 Journal

Department of Computer Science Engineering (CSE-ML): 02

7. Srikanth Busa, **Jayaprada Somala**, K. Kranthi Kumar, Khasim Syed, K. S. R. Radhika, Radhika Ankala, **An efficient breast cancer classification and segmentation system by an intelligent gated recurrent framework**, Multimedia Tools and Applications, 83, 31567–31586 (2024). <https://doi.org/10.1007/s11042-023-16826-4>.

Q2 Journal

8. **Razeena Begum Shaik**, Prabagarane Nagaradjane, Iacovos Ioannou, Vitawat Sittakul, Vasos Vasiliou, Andreas Pitsillides, **AI/ML-aided capacity maximization strategies for URLLC in 5G/6G wireless systems: A survey**, Computer Networks, Volume 249,2024,110506,ISSN 1389-1286, <https://doi.org/10.1016/j.comnet.2024.110506>,

Q1 Journal

Department of Electronics and Communication Engineering (ECE): 10

9. Rajasekhar Butta, Mastan Sharif Shaik, **G.L.N. Murthy**, **Ensemble deep learning approach for early diagnosis of Alzheimer's disease**, Multimedia Tools and Applications, April 2024, ISSN: 1380-7501, H-Index-106, I.F.-3.6

<https://doi.org/10.1007/s11042-023-18084-w>

Q1 Journal

10. M.Surya Bhupal Rao, Y. Mallikarjuna Rao, C. Venkataiah, **G.L.N. Murthy**, M. Dharani, Manjula Jayamma, **Deep learning based classification of COVID-19 severity using hierarchical deep maxout model**, Biomedical Signal Processing and Control, 88, Part A, November 2023 ISSN:1746-8108, **H-Index-94, I.F.-5.1**.

Q1 Journal

<https://doi.org/10.1016/j.bspc.2023.105653>

11. Mohammed Mahaboob Basha, **Lachi Reddy Poreddy**, Virupakshi Madhurima, Srinivasulu Gundala, Javed Syed, **Full-Swing Nanosecond Delay Hybrid Level Shifter for time-critical applications**, Electronics, 13(13), 2570, June 2024, ISSN: 20729-9292

<https://doi.org/10.3390/electronics13132570>

Q2 Journal

12. Pendli Pradeep, Mohammed Mahaboob Basha, **Srinivasulu Gundala**, Javed Syed, **Development of Wearable Textile MIMO Antenna for Sub-6 GHz Band New Radio 5G Applications**, Micromachines, 15(5), May 2024, ISSN: 2072-666X, **H-Index-78, I.F.-3.4**, <https://doi.org/10.3390/mi15050651>

Q2 Journal

13. **Srinivasulu Gundala**, Mohammed Mahaboob Basha, Virupakshi Madhurima, Ovidiu Petru Stan, **Input voltage level driven split-Input Inverter level shifter for Nanoscale Applications**, Electronics, 13(6), March 2024, 1115, ISSN: 2079-9292, IF:2.9, <https://doi.org/10.3390/electronics13061115>

Q2 Journal

14. Haritha Thotakura, **Y.V.N.R. Swamy**, K.V.Vineetha, B.T.P. Madhav, Susipta Das, **Design and development of square stub loaded band pass filter with quality factor analysis**, Journal of Instrumentation, 19, May 2024, ISSN: 1748-0221, H-Index-88, I.F.-1.3, <https://doi.org/10.1088/1748-0221/19/05/P05019>

Q2 Journal

15. Gopatoti Anandbabu, Jayakumar Ramya, **Poornaiah Billa**, Patteeswaran Vijayalakshmi, **DDA-SSNets: Dual decoder attention-based semantic segmentation networks for COVID-19 infection segmentation and classification using chest X-Ray images**, Journal of X-Ray Science and Technology, 1-27, April 2024, I.F.-3, ISSN: 0895-3996, H-Index-39, <https://doi.org/10.3233/XST-230421>

Q2 Journal

16. Suresh Addepalli, Jadadeesh, **E.V. Krishna Rao**, Uthanna Suda, **Reactive magnetron sputtered aluminium titanate high-k dielectric films for MIM devices**, Applied Physics A Materials Science & Processing, 129(793), October 2023, ISSN: 1432-0630, H-Index-158, I.F.-2.983, <https://doi.org/10.1007/s00339-023-07065-3>

Q2 Journal

17. **Mupidi Venkata Sudhakar**, Ovidiu Petru Stan, **Implementation of High-Speed Compact Level-Up shifter for Nano-Scale Applications**, Electronics 12(24) December 2023, ISSN: 2079-9292, 5015, H-Index-62, I.F.-2.9, <https://doi.org/10.3390/electronics12245015>

Q2 Journal

18. **M.Venkata Sudhakar**, P. Rahul Reddy, U. Panchalaiah, **A deep learning based latency aware predictive routing model for network-on-chip architectures**, International Journal of Communication Systems, September 2023, ISSN:1099-1131, H-Index-56, I.F.-2.1, <https://doi.org/10.1002/dac.5602>

Q2 Journal

Department of Electrical and Electronics Engineering (EEE): 06

19. **K. Harinadha Reddy**, Intelligent tunicate swarm for regression neuron modelling - novel state estimation learning, Neural Processing Letters, vol. 55, no.7,pp. 8981–8995,Dec. 2023. <https://link.springer.com/article/10.1007/s11063-023-11188-2#citeas>

Q2 Journal

20. **K. Harinadha Reddy**, Intelligent deep reinforcement learning based SMCF boundaries—An effective assessment of integrated network operating state, Expert Systems With Applications 230 (2023), <https://doi.org/10.1016/j.eswa.2023.120663>.

Q1 Journal

21. K. Mahesh Prasanna, Sheeja V. Francis, Varuna Kumara, A. Sagai Francis Britto, **G. Nageswara Rao**, Tabassum Ara, P. Ganeshan, Ahmad A. Ifseisi & Sikandar Aftab, **Smart Deep Learning Model to Recognize PCM Optimization Performance on Solar Cooling System**, Electric Power Components and Systems, 24 Nov 2023, 0(0): 1–12, 2023, Taylor & Francis

Group, LLC, ISSN: 1532-5008 print / 1532-5016 online, DOI: 10.1080/15325008.2023.2281630, <https://doi.org/10.1080/15325008.2023.2281630>,

Q3 Journal

22. Ch. Rami Reddy, Obbu Chandra Sekhar, **B. Pangedaiah**, A. Khan & Muhammad Khalid, **Passive Island Detection Method Based on Positive Sequence Components for Grid-Connected Solar-Wind Hybrid Distributed Generation System**, Electric Power Components and Systems, ISSN:1532-5008, Vol.51, No.16, August 2023(pp.1-16). <https://doi.org/10.1080/15325008.2023.2238705>.

Q3 Journal

23. A. S. Veerendra, K. Suresh, **P. Sobha Rani**, K. Radha Rani, J. Varaprasad and A. A. Shah, **Design and Implementation of Active Clamp Flyback Converter for High-Power Applications**, Processes 2023, 11, 2980. <https://doi.org/10.3390/pr11102980>, Page No: 1-18, October 2023.

Q3 Journal

24. Ch. Rami Reddy, Joon Ho Choi, **B. Pangedaiah**, S. Venkata Rami Reddy, **Absolute Positive Sequence Voltage Difference based Passive Islanding Detection in Micro Grids**, IEEE Transactions on Industry Applications, DOI 10.1109/TIA.2024.3360372, January 2024. ISSN: 1939-9367.

Q1 Journal

Department of Information Technology (IT): 05

25. Kalva Sudhakar, **Satuluri Naganjaneyulu**, **Enhancing stock market forecasting using sequential training network empowered by tunicate swarm optimization**, Multimedia Tools and Applications Journal, ISSN:1380-7501

Q1 Journal

26. Chandra Sekhar Kolli, **V. V. Krishna Reddy**, Tatireddy Subba Reddy, Mohan Kumar Chandol, Durga Bhavani Dasari & Mule Rama Krishna Reddy, **Deep learning-based privacy-preserving recommendations in federated learning**, International Journal of General Systems, ISSN: 1563-5104, <https://doi.org/10.1080/03081079.2024.2302605>

Q2 Journal

27. Katru Rama Rao & **Satuluri Naganjaneyulu**, **Designing a Block Chain Based Network for the Secure Exchange of Medical Data in Healthcare Systems**, Applied Artificial Intelligence, Volume 38, Issue 1, pp 1-18, ISSN: 1087-6545, <https://doi.org/10.1080/08839514.2024.2318164>

Q2 Journal

28. **Vadisena Venkata Krishna Reddy**, Radha Vijaya Kumar Reddy, Masthan Siva Krishna Munaga, Balaji Karnam d, Suresh Kumar Maddila, Chandra Sekhar Kolli, **Deep learning-based credit card fraud detection in federated learning**, Expert Systems With Applications, Volume:255, Part:A, pp:1-11, ISSN:0957-4147, <https://doi.org/10.1016/j.eswa.2024.124493>

Q1 Journal

29. Surendra Reddy Vinta, Pothuraju Rajarajeswari, **M. Vijay Kumar** & G. Sai Chaitanya Kumar, **BConvLSTM: a deep learning-based technique for severity prediction of a traffic crash**, International Journal of Crashworthiness, May, 1-11, <https://doi.org/10.1080/13588265.2024.2348397>

Q2 Journal

Department of Mechanical Engineering (ME): 10

30. Pinjala Tejomurthi, **K.Dilip Kumar**, Bhanavathu Balakrishna, **Experimental investigation of the using graphene oxide and titanium dioxide nanolubricant for a refrigeration system operated by mixed refrigerant**, Journal of Thermal Analysis and Calorimetry, 144, 10227–10239, 2023, ISSN: 1388-6150, <https://doi.org/10.1007/s10973-023-12388-7>
Q2 Journal
31. **Vallapudi Dhana Raju**, Ibham Veza, Harish Venu, Manzoore Elahi M. Soudagar, M. A. Kalam Tansir Ahamad, Prabhu Appavu, Jayashri N. Nair and S. M. Ashrafur Rahman, **Comprehensive Analysis of Compression Ratio, Exhaust Gas Recirculation, and Pilot Fuel Injection in a Diesel Engine Fuelled with Tamarind Biodiesel**, SUSTAINABILITY, 15(21), 15222, 2023, ISSN: 2071-1050, <https://doi.org/10.3390/su152115222>
Q2 Journal
32. **Seelam Rami Reddy**, Saroj Kumar Sarangi, **Influence of zinc oxide and graphene nanoparticles on diesel engine's emission and vibration while fuelled with waste mango seed oil biodiesel**, International Journal of Chemical Reactor Engineering, 2023, 2194-5748, <https://doi.org/10.1515/ijcre-2023-0154>
Q3 Journal
33. **Konka Dilip Kumar**, Ganesan Ramya, NarayanasamyAmbikeswari, Sathyamurthy Ravishankar, Jayaprakash Venugopal, Raviteja Surakasi, Uthirapathy Tamilarasan, T. Sathish, V. Vijayan, **Investigation on the influence of the MWCNT, Al₂O₃ and CuO nano fluid in the ETSC**, Thermal Science, 27 (6), 4807-4814, 2023, ISSN: 2334-7163, <https://doi.org/10.2298/TSCI220919246K>
Q4 Journal
34. Chendrasekhar Sunnapu, **Murahari Kolli**, **Role of tool shoulder profile and tool rotational speed on the mechanical performance of friction stir welded Al5083 joints**, MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, 54 (12), 1640-1647, 2023, ISSN: 0933-5137, <https://doi.org/10.1002/mawe.202300071>
Q3 Journal
35. **A Nageswara Rao**, R Jeyapaul, Sajad Ahmad Najar, B Chaitanya, **Driving errors as a function of listening to music and FM radio: A simulator study**, Traffic injury prevention, 25 (1), 49-56, 2023, ISSN: 1538-9588, <https://doi.org/10.1080/15389588.2023.2263119>
Q1 Journal
36. **Murahari Kolli**, Sai naresh Dasari, Kosaraju Satyanarayana, **Investigation on Mechanical Properties of Agro and Industrial Waste Reinforcement**, Archives Of Metallurgy And Materials, 69(2), 545-552, ISSN: 1733-3490/2300-1909, DOI: <https://doi.org/10.24425/amm.2024.149782>
Q3 Journal
37. **S. Rami Reddy**, Saroj Kumar Sarangi, **A comprehensive combustion, performance, and environmental analyses of algae biofuel, hydrogen gas, and nano-sized particles (liquid-gas-solid mix) in agricultural CRDI engines**, International Journal of Chemical Reactor Engineering, 22(5), 481-503, ISSN: 2194-5748/ 1542-6580, <https://doi.org/10.1515/ijcre-2023-0183>
Q3 Journal

38. Harish Venu , Tiong Sieh Kiong , Manzoore Elahi M. Soudagar , N.M. Razali , S. Ramesh, Yasser Fouad, Armin Rajabi, Prabhu Appavu, **V. Dhana Raju**, Ibham Veza, Lingesan Subrmani, M.A. Kalam, Ümit Ağbulut, **A comprehensive combustion, performance, and environmental analyses of algae biofuel, hydrogen gas, and nano-sized particles (liquid-gas-solid mix) in agricultural CRDI engines**, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 73, 839-855, ISSN: 0360-3199/1879-3487, <https://doi.org/10.1016/j.ijhydene.2024.05.209>,

Q1 Journal

39. P. Venkataramana, V. Mani Kumar, N. Raghu ram, **Siva Sankara Babu Chinka**, **Experimental investigation of air jet impingement cooling in car radiator with hollow cone nozzle plate spacing using nanofluids**, Heat and Mass Transfer, ISSN: 1432-1181/0947-7411 DOI: <https://doi.org/10.1007/s00231-024-03493-w>

Q2 Journal

Freshmen Engineering Department (FED): 06

40. N. Sreeram, **S. Yusub**, A. Ramesh babu, M. Venkateswarlu, **Ascendancy of Cr2O3 on morphology, spectroscopic and dielectric properties of GeO2-Li2O-P2O5-MgO glasses**, Materials Chemistry and Physics, 304 (2023) 127889, 1st August 2023, pp.1-10, ISSN / eISSN: 0254-0584 / 1879-3312, <https://doi.org/10.1016/j.envres.2024.119163>

Q1 Journal

41. Bittu Sing, G. Rajeswari, **Y.P.C.S. Anil Kumar**, Ajay Kumar. P, S. Gangadhar, Bhuvan Chandra, **Optimal Selection Role of Chelating Agents in the Synthesis of YFeO3 Nano Materials Prepared via Sol - gel Technique**, ECS Journal of Solid State Science and Technology, Vol. 12, No.9, 14th Septemebrr 2023, pp. 1- 8, ISSN / eISSN:2162- 8769/ 2162-8777. DOI 10.1149/2162-8777/acf4bd

Q3 Journal

42. G. V. Vijaya Bhaskara Rao, P. Sobhanachalam, **Vijaya Dasaradha Sani**, Balakrishna Avula, N. Giridhar Babu, Kumara Raja Kandula, Cilaveni Goutham, A. Ashok, Anees A. Ansari, T. Sambasiva Rao, S. Gangadhara, A. Chitti Babu, **Comprehensive Structural Analysis Identifies the Relationships Between the Electrical Characteristics of Environmentally Friendly NBTMn-BAl-NaNb Ceramics**, ECS Journal of Solid State Science and Technology, Vol. 13, No.1, pp. 1- 7, 17th January, 2024, ISSN / eISSN: 2162-8769 / 2162-8777. Doi: 10.1149/2162-8777/ad1c8f

Q3 Journal

43. **N. Aruna**, Siriki Srinivasarao, and Ramakrishna, **Enhanced magnetic properties of 3Gd3+-doped NiMgCu nano ferrites**", Journal of material science: Materials in Electronics, Vol. 35, No.5, Article No. 332, pp. 1-10, 15th February 2024, ISSN / eISSN: 0957-4522 / 1573-482X. Doi: <https://doi.org/10.1007/s10854-024-12121-6>

Q2 Journal

44. N. Srinivasa Rao, B. Srikanth, T. Anjaneyulu, P. Mohan Babu, M. Bhaskaraiah, **K.N.V. Lakshmi**, K. Mohan Babu, **Effect of KNN substitution on the structural, electrical, and piezo characteristics of lead free 0.94NBT-0.06SrTiO3 ceramics**, Journal of Materials Science: Materials in Electronics, Vol.35, No.844, pp. 1-8, 26th April, 2024, ISSN / eISSN: 0957-4522 / 1573-482X. <https://doi.org/10.1007/s10854-024-12611-7>

45. Ramu Boddepalli, Thirumala Rao Gurugubelli, Pammi S.V. N, N.V.S. Bhagavan, **S. Yusub**, Mohan Rao Tamtame, Ravindranadh Koutavarapu, P.L. Saranya, **Efficiency and mechanistic insights of photocatalytic decomposition of tetracycline and rhodamine B utilizing Z-scheme g-C₃N₄/SnWO₄ heterostructures under visible light irradiation**, Environmental Research, Vol.254, No.1, pp.1-12, 16th Mar 2024, ISSN / eISSN: 0013-9351 / 1096-0953. <https://doi.org/10.1016/j.envres.2024.119163>

ESCI Papers: 20

AI&DS: 1 ASE: 0 CE: 0 CSE: 5 CSE(ML): 0 ECE: 2 EEE: 2 IT: 0 ME: 8 MBA: 0 FED: 2 Total: 20

Department of Artificial Intelligence & Data Science: 01

1. Anumula Sruthi, Anumula Kalyan Kumar, Kishore Dasari, Yenugu Sivaramaiah, **Garikapati Divya & Gunupudi Sai Chaitanya Kumar, Multi-language: ensemble learning-based speech emotion recognition**, International Journal of Data Science and Analytics, <https://doi.org/10.1007/s41060-024-00553-6>

Q2 Journal

Department of Computer Science and Engineering (CSE): 05

2. M. V. Narayana, **J. Nageswara Rao**, Sanjeev Shrivastava, G. S. Pradeep Ghantasala, Iacovos Ioannou & Vasos Vassiliou, **A framework for identification of brain tumors from MR images using progressive segmentation**, Health & Technology, 14, 539–556 (2024). <https://doi.org/10.1007/s12553-024-00844-9>

Q3 Journal

3. Khekare G., Kumar K.P., **Prasanthi K.N.**, Ansari M.S.A., El-Ebiary Y.A.B, **Optimizing Network Security and Performance Through the Integration of Hybrid GAN-RNN Models in SDN-based Access Control and Traffic Engineering**, International Journal of Advanced Computer Science and Applications, Vol. 14, No. 12, Page: 596-606, ISSN: 2156-5570, 12 December 2023.

https://thesai.org/Downloads/Volume14No12/Paper_62-Optimizing_Network_Security_and_Performance.pdf

Q3 Journal

4. **SeelamNagarjuna Reddy**, GayatriParasa, R. Janani, SrinivasuluThiruveedula, K. Sujatha, B. Varaprasad Rao, Sharath M N, **Modernizing Cancer Diagnosis with an Intelligent Model for Lung and Colon Cancer**, The Journal of Electrical Systems, Vol. 20,6S, April 2024, Page:1218-1226, ISSN:1112-5209. <https://journal.esrgroups.org/jes/article/view/2851>

Q4 Journal

5. N.V. Rajasekhar Reddy, Kalaivani K, **Kundeti Naga Prasanthi**, Syed Mohammed Azmal, Panduranga Ravi Teja, **Enhancing 5G Networks with D2D Communication: Architectures, Protocols, and Energy-Efficient Strategies for Future Smart Cities**, , International Journal of Intelligent Systems and Applications in Engineering, Jan- 24, ISSN : 2147-6799.

<https://ijisae.org/index.php/IJISAE/article/view/4359>

Q4 Journal

6. M. Kalyani, Dr. K Kumar, **A. Sree Rama Chandra Murthy**, Dr. K. Kalyani, Srinivas Reddy L, Dr. Yaswanth Kumar A, **Federated Learning: Advancements, Applications and Future Directions for Collaborative Machine Learning in Distributed Environments**, Journal of Electrical Systems, Vol. 20, Issue:5S, April 2024, PageNo:165-171, ISSN:1112-5209.

<https://journal.esrgroups.org/jes/article/view/1900>

Q4 Journal

Department of Electronics and Communication Engineering (ECE): 02

7. **M.Venkata Sudhakar**, Rajini G.K, "Effect of the fiber bragg grating based dispersion control on the transmission length of pico second optical pulses in a single mode fiber link, Nonlinear Optics, Quantum Optics, 59(3-4), May 2024, 263-271, ISSN: 1543-0537, H-Index-22, https://www.oldcitypublishing.com/journals/nloqo-home/nloqo-issue-contents/_nloqo-volume-59-number-3-4-2024/21616-2/

Q4 Journal

8. **M.Venkata Sudhakar**, Uma Sankar Gutta, "Development of Compact Voltage Level up Shifter for nano-second delay system-on-chip applications", Engineering Research Express, 5(3), September 2023, ISSN:2631-8695, H-Index-14.
<https://doi.org/10.1088/2631-8695/acf64a>

Q3 Journal

Department of Electrical and Electronics Engineering (EEE): 02

9. **Timmidi Nagadurga**, Ramesh Devarapalli and ŁukaszKnypiński, **Comparison of Meta-Heuristic Optimization Algorithms for Global Maximum Power Point Tracking of Partially Shaded Solar Photovoltaic Systems**, Algorithms 2023, 16(8),376,5August2023, <https://doi.org/10.3390/a16080376>,

Q3 Journal

10. P.V.V. Satyanarayana, M. Dilip Kumar, A. Giri Prasad, **B. Pangedaiah**, S. Venkata Rami Reddy, Ch. Rami Reddy, P. Srinivasa Varma, **Passive Islanding Detection Method based on Resultant Sequence Impedance Component and Load Shedding in Islanded Area**, International Journal Of Renewable Energy Research, Vol.14, No.1, March, 2024.
<https://www.ijrer.org/ijrer/index.php/ijrer/article/view/14286/pdf>.

Q4 Journal

Department of Mechanical Engineering (ME): 08

11. Naga Venkata Sairam Yellapragada, **Seelam Pichi Reddy**, Vadlamudi Tara Chand, Srikanth Kumar Mangalagiri, Bandaru Satish Babu, Sameer Kumar Devarakonda, **The Potentiality of LHA Nanoparticle Reinforced AA2024 Composites: A Focus on Microstructure, Mechanical Properties**, Annales de Chimie - Science des Matériaux, Vol. 48, No. 3, pp. 401-408. <https://doi.org/10.18280/acsm.480312>.

Q3 Journal

12. Harish Venu, Prabhu Appavu, Venkatesan Krishnan, Jayaprabakar Jayaraman, Mudhu Krishnan Manimuthu, Sudhakar Kosinapogu, **Dhana Raju Vallapudi**, **Emission study on a direct injection diesel engine powered with blends of Moringa oleifera biodiesel-diesel**, Environmental Quality Management, 2023, ISSN: 1520-6483, <https://onlinelibrary.wiley.com/doi/abs/10.1002/tqem.22088>

Q3 Journal

13. **Seelam Pichi Reddy**, Jagan Mohan Reddy Danda, Murahari Kolli & Anusha Yaramala, **Artificial neural network modelling of aluminium/Al₂O₃/fly ash hybrid composites prepared by powder metallurgy**, 2023, ISSN: 1955-2513, <https://doi.org/10.1007/s12008-023-01574-4>

Q2/Q3 Journal

14. **Murahari Kolli**, Dasari Sai Naresh, Aruri Devaraju & Kosaraju Satyanarayana, **Investigation of mechanical properties in friction stir processing parameters of Cu-TiB2 composite using Taguchi approach**, International Journal on Interactive Design and Manufacturing (IJIDeM), 2023, 1955-2513, <https://doi.org/10.1007/s12008-023-01586-0>
Q2/Q3 Journal
15. Amol J. Asalekar, D.V. A. Rama Sastry, **M.B.S. Sreekara Reddy**, Surendra D. Barewar, **Analysis of thermophysical properties of novel hybrid nanoparticles based vegetable nanofluid**, Journal of Thermal Engineering, 9(6), 1466-1477, 2023, ISSN: 2148-7847, <https://doi.org/10.18186/thermal.1397183>
Q3 Journal
16. Chendrasekhar Sunnapu , **Murahari Kolli**, **Experimental investigation of Al 5083 alloy using friction stir welding process through taguchi method**, International Journal on Interactive Design and Manufacturing (IJIDeM), 2024, ISSN: 1955-2513, <https://link.springer.com/article/10.1007/s12008-024-01746-w>
Q2/Q3 Journal
17. Chendrasekhar Sunnapu and **Murahari Kolli**, **Assessing the role of friction stir Welding tool shoulder profile and pameters on mechanical performance of Al 5083 weld joints pre and post corrosion exposure**, Engineering Research Express, 6(1), 015524, 2024, ISSN: 2631-8695, <https://iopscience.iop.org/article/10.1088/2631-8695/ad2f89>
Q3 Journal
18. K. Satyanarayana, B. Prasanna, B. Vaishnavi, Ch. Kavya, M. Vinolika, **Murahari Kolli**, **Experimental investigation of air jet impingement cooling in car radiator with hollow cone nozzle plate spacing using nanofluids**, International Journal on Interactive Design and Manufacturing (IJIDeM), 2024, ISSN:1955-2513, <https://doi.org/10.1007/s12008-024-01977-x>
Q2/Q3 Journal

Freshmen Engineering Department (FED): 02

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20. R. Leelavathi, V. Seethamahalakshmi, **D. Vijaya Kumar**, T.S. Rao, G. Venkata Ramana Reddy, Abayomi Samuel Oke, **MHD Casson Fluid Flow in Stagnation-Point over an Inclined Porous Surface**, CFD Letters An International Journal, Vol. 16, No, 4, pp. 69-84, 01st January, 2024. eISSN: 2180-1363. <https://doi.org/10.37934/cfdl.16.4.6984>
Q3 Journal

ii. Papers Published in Scopus Journals: 60

AI&DS: 5 ASE: 0 CE: 2 CSE: 13 CSE(ML): 3 ECE: 16 EEE: 5 IT: 3 ME: 8 MBA: 1 FED: 4

Total: 60

Department of AI&DS: 05

1. Deeba K, **O. Rama Devi**, Mohammed Saleh Al Ansari, Bhargavi Peddi Reddy, Manohara H T, Yousef A. Baker El-Ebiary and Manikandan Rengarajan, "Optimizing Crop Yield Prediction in Precision Agriculture with Hyperspectral Imaging-Unmixing and Deep Learning" International Journal of Advanced Computer Science and Applications(IJACSA), 14(12), 2023. <http://dx.doi.org/10.14569/IJACSA.2023.0141261>

Q3 Journal

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Q4 Journal

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Q3 Journal

4. Moreshe Mukhedkar, Chamandeep Kaur, **Divvela Srinivasa Rao**, Shweta Bandhekar, Mohammed Saleh Al Ansari, Maganti Syamala and Yousef A. Baker El-Ebiary, "Enhanced Land Use and Land Cover Classification Through Human Group-based Particle Swarm Optimization-Ant Colony Optimization Integration with Convolutional Neural Network" International Journal of Advanced Computer Science and Applications(IJACSA), 14(11), 2023. <http://dx.doi.org/10.14569/IJACSA.2023.0141142>

Q3 Journal

5. Sirisha.J Annapoorna M **S Sowjanya Vuddanti**, STUDY ON PATENTS IN GENOMICS AND HUMAN GENETICS African Journal of Biological Sciences <https://doi.org/10.33472/AFJBS.5.3.2023.01-08>

Department of Civil Engineering (CE): 02

6. **Venkateswara Rao J.**, Ramana K. V. and Narasimha Rao B., **Analysis and design of pre-engineered industrial warehouse using IS: 800 and AISC**, ARPN Journal of Engineering and Applied Sciences, 19 (3), 154-159, Feb 2024, ISSN 1819-6608. <https://doi.org/10.59018/022427>

Q4 Journal

7. L. Ramaprasad Reddy, B. Kesava Rao, R. Chandramohan, G. Sanijya, **B. Narasimharao**, A. Mohan, **Computational Analysis of Predicting Stress Intensity Factor Using HDMR Technique**, Journal of Electrical Systems, 20 (6s), 1271-1280, April 2024, ISSN 1112-5209. <https://doi.org/10.52783/jes.2855>

Q4 Journal

Department of Computer Science Engineering (CSE): 13

8. Dr. V.V. Jaya Rama Krishnaiah, Dr. Bandla Srinivasa Rao, **Duggineni Veeraiah**, Mr. S. Subbu Raj, Dr. Mohammed Saleh al Ansari, Dr. Chamandeep Kaur, **Mining Deviation with Machine Learning Techniques in Event Logs with an Encoding Algorithm**, Journal of Theoretical and Applied Information Technology, Vol.102. No3, Feb-2024, ISSN:1992-8645 <https://www.jatit.org/volumes/Vol102No3/14Vol102No3.pdf>

Q4 Journal

9. Nagireddy Venkata Raja Sekhar Reddy, Chengamma Chitteti, Sreeraman Yesupadam, **Venkata Subbaiah Desanamukula**, Sai Srinivas Vellela, Naga Jagadesh Bommagani, **Enhanced Speckle Noise Reduction in Breast Cancer Ultrasound Imagery Using a Hybrid Deep Learning Model**, Ingénierie des Systèmes d'Information (International Information and Engineering Technology Association(IIETA)), **Page:** 1063-1071, 31 August 2023. <https://www.iieta.org/journals/isi/paper/10.18280/isi.280426>

10. **Venkata Subbaiah Desanamukula** Venkata Nagaraju Thatha Srihari Varma Mantena, Chandra Sekhar Reddy Linga Reddy , Phanikanth Ch Revathy Pulugu, **Enhancing Privacy Protection in Online Federated Learning: A Method for Secure Face Image De-Identification Using a Modified Diffie-Hellman Algorithm** , Mathematical Modelling of Engineering Problems, vol. 10, Issue. 6, Pg.no. 2265-2273, Dec-23, ISSN .2369-0739. <https://www.iieta.org/journals/mmep/paper/10.18280/mmep.100642>

Q4 Journal

11. **Venkata Subbaiah Desanamukula**, B. Gunapriya, M. Janardhan, Venkateswarlu Gundu, Syed Ziaur Rahman, R.J. Anandhi, Ramesh Vatambeti, **Enhancing security in vehicular Ad hoc networks: A novel approach using DSFLA, SACVAEGAN, and OAEF**, J. Integr. Sci. Technol. 2024, 12(6), 828 Science & Technology, vol.12, issue 6, May-24, ISSN 2321 – 4635. DOI: 10.62110/sciencein.jist.2024.v12.828

Q4 Journal

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Q4 Journal

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<https://www.iieta.org/journals/ijcmem/paper/10.18280/ijcmem.120110>

Q4 Journal

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16. Sivakumar Venu, R G Kumar, **Meriga Kiran Kumar**, TVS Gowtham Prasad, Badugu Suresh, P. Neelima, **An Intelligent and Service Based Smart Agriculture Recommendation System**, International Journal of Intelligent Systems and Applications in Engineering, Volume 12, Issue 1, December 2023, PageNo: 153-158, ISSN: 2147-6799

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19. Sujeeth, T,Ramesh, C.b ,Palwe, Sushilac ,Ramu, Gandikotad , **Shaik Johny Basha**, Upadhyay, Deepak,Chanthirasekaran, K,Sivasankari,K, Rajaram, **Adaptive solar power generation forecasting using enhanced neural network with weather modulation**, Journal of Intelligent & Fuzzy Systems, Mar-2024,1875-8967, <https://doi.org/10.3233/JIFS-235612>

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Department of Computer Science Engineering (CSE-ML): 03

21. Dr.K.S.R. Radhika, Dr.D. Anitha Kumari, Dr. Sunitha Pachala, **Dr. S. Jayaprada**, Dr. K. Chaitanya, Dr. B. Srikanth, The Effective Quantitative Analysis for Brain Tumor Diagnosis Using an Efficient Deep Learning Algorithm, International Journal on Recent and Innovation Trends in Computing and Communication, 11(9s), 568–577.
<https://doi.org/10.17762/ijritcc.v11i9s.7469>
22. Harshini Macherla, Venkateswara Rao Muvva, Kranthi Kumar Lella, **Jagadeeswara Rao Paliseti**, Dileep Pulugu, Ramesh Vatambeti, **A Deep Reinforcement Learning-Based RNN Model in a Traffic Control System for 5G-Envisioned Internet of Vehicles**, Volume 11, No. 1, pp. 75-83 DOI: <https://doi.org/10.18280/mmep.110107>
23. Palli, S., Kotapati, G., Lella, K.K., **Paliseti, Jagadeeswara Rao.**, Sudarsa, D., Rahman, S.Z., Vatambeti, R. (2024). **Holistic traffic control through Q-Learning and enhanced deep learning for distributed co-inference.** Journal Européen des Systèmes Automatisés, Vol. 57, No. 2, pp. 453-464. <https://doi.org/10.18280/jesa.570215>

Department of Electronics and Communication Engineering (ECE): 16

24. M.Satish Kumar, Sivasubramanyam Medasani, Penchla Reddy Sura, Tathababu Addepalli, Jetti Chandra Sekhar Rao, J Prasanth Kumar, **B.Y.V.N.R. Swamy**, A.L. Siridhara, “Design of Implantable Antennas for Biomedical Applications”, Telecommunications and Radio Engineering, 83(7), 2024, ISSN: 1943-6009.
<https://dl.begellhouse.com/fr/journals/0632a9d54950b268,09f4ee5f2cfc4b1f,4c0caafc136be69c.html>
25. Penchala Reddy Sura, Padmaja Nimmagadda, Ch Jyotsna Rani, Tathababu Addepalli, Jagadeesh Babu, **B.Y.V.N.R. Swamy**, A.L. Siridhara, G. Jagadeeswar Reddy, “An Asymmetrical PSI-Shaped Multiband Antenna for Wireless Applications”, Telecommunications and Radio Engineering, 83(5), 1-10, 2024, ISSN: 1943-6009.
<http://doi.org/10.1615/TelecomRadEng.2024051727>
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<http://doi.org/10.11591/ijeecs.v33.i2.pp839-846>
27. Ramakoteswararao Siddabathuni, Sivagurunathan Palanivel, **Godavarthi Lakshmi**

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28. Anumolu Anupama, Hari Krishna Yaragani, **Bojja Ramesh Reddy**, Tagallamudi Srinivasa Rao, Venkata Ramana Reddy Gurrampati, "Impact of Magnetohydrodynamics on Hyperbolic and Walters-B Non-Newtonian Fluids", Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 113(1), 82-94, ISSN: 2289-7879.
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29. Tagallamudi Srinivasa Rao, Mamata Mohan Babu, **Ramesh Reddy Bojja**, Naga Santoshi P, Venkata Ramana Reddy Gurrampati, "Thermal Radiation Effects on MHD Casson and Maxwell Nanofluids over a porous stretching surface", Passer Journal of Basic and Applied Sciences, 6(1), 119-126, February 2024, ISSN:2706-5944.
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30. **Ravi Kumar Kandagatla**, V. Jayachandra Naidu, P.S. Sreenivasa Reddy, Veera Kavya Pandilla, Marriwada Joshitha, Chanamala Rakesh, Analysis of EEG Signals for the detection of epileptic seizures using feature extraction, SciEnggJ, 2024(4), 28-35, February 2024, ISSN: 2799-189X,
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31. **Ravi Kumar Kandagatla**, V. Jayachandra Naidu, P.S. Sreenivasa Reddy, Gayatri M, Jahnavi A, Rajeswari K, Analysis of statistical estimators and neural network approaches for speech enhancement, **SciEnggJ**, 2024(4), 17-27, February 2024, ISSN: 2799-189X,
<https://doi.org/10.54645/202417SupXBB-31>
32. Maha Lakshmi Tirumalasetty, **Ravi Sekhara Reddy Vuppuloori**, Balaji Tata, Venkata Ganeswara Rao Maddipati, Jaya Navaneethan, Upendra Chowdary Kurra, Koteswara Rao Kodepogu, Lalitha Kumari Gaddala, Surekha Yalamanchil, "Systematic Survey on Chronic Kidney Disease prediction using different Machine Learning Techniques", Revue d'Intelligence Artificielle, December 2023, H-Index-17, ISSN:1958-5748, 1645-1650,
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33. Kamireddy Vijay Chandra, Kala Praveen Bagadi, Visalakshi Annepu, K. Sudha Rani, **Poornaiah Billa**, "Specular Corneal Endothelium Dystrophic Image Analysis with Artificial Intelligent Convolution Filter", International Journal of Performability Engineering, 19(12), December 2023, 807-816, ISSN: 2993-8341
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34. **Prathipati Rakesh Kumar**, Pamarthi Sunitha, Makkapati V.S. Prasad, Compact Reconfigurable Patch Antenna for Wireless Applications, Progress in Electromagnetics Research C, 138, October 2023, ISSN:1937-8718, 161-174
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<https://www.dl.begellhouse.com/fr/journals/0632a9d54950b268.forthcoming.51218.html>

Department of Electrical and Electronics Engineering (EEE): 05

40. Chaitanya Nimmagadda, Veeranjanyulu Gopu, **Palle Deepak Reddy**, Munigoti Srinivasa Giridhar, Gudipudi Nageswara Rao, Sarath Chandra Boppudi, **Leveraging renewable energy sources for sustainable traction vehicles**, Indonesian Journal of Electrical Engineering and Computer Science, Vol. 34, No. 1, April 2024, pp. 40~49, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v34.i1.pp40-49
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Department of Information Technology (IT): 03

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Department of Mechanical Engineering (ME): 08

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Department of MBA: 01

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Freshmen Engineering Department (FED): 04

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iii. Scopus indexed Conference Proceedings: 106

AI&DS: 4 ASE: 0 CE: 0 CSE: 29 ECE: 19 EEE: 5 IT: 36 ME: 13 MBA: 0 FED: 0 Total :106

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