



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

Details of R & D Accomplishments during the A.Y.: 2023-24

i.	No. of SCI/ESCI papers (Q1-14)	: 45/20
ii.	No. of Papers in Scopus indexed Journals	: 60
iii.	No. of Papers in Conf. Proceedings indexed by Scopus	: 106
Total Papers in SCI & Scopus		: 231
iv.	No. of Open Access Journals	: 74
v.	No. of Books/Chapters published	: 12/21
vi.	No. of Patents Granted/Published	: 2/34
vii.	No. of Research Projects Sanctioned/Ongoing	: 3/3
viii.	Faculty pursuing Ph.D.	: 108
ix.	No. of Faculty Secured Ph.D.	: 07
x.	No. of Ph.D. Scholars awarded Ph.D.	: 02
xi.	Supervisors and Scholars	: 31/54

R & D Publications for the A.Y.: 2023-24

(From 1st July 2023 – 30th June 2024)

Details of Publications

S.No.	Dept.	SCI	ESCI	Scopus-J	Scopus-C	Total	UGC/Open Access	Books	Chapters	Patents-P	Patents-G
1.	AI&DS	0	1	5	4	10	14	4	3	6	0
2.	ASE	1	0	0	0	1	0	0	0	0	1
3.	CE	0	0	2	0	2	4	0	0	1	0
4.	CSE	5	5	13	29	52	15	2	3	7	0
5.	CSE(ML)	2	0	03	0	05	0	0	1	2	0
6.	ECE	10	2	16	19	47	17	0	1	6	0
7.	EEE	6	2	5	5	18	07	3	2	2	0
8.	IT	5	0	3	36	44	0	0	0	1	0
9.	ME	10	8	8	13	39	3	2	7	9	1
10.	MBA	0	0	1	0	1	11	0	4	0	0
11.	FED	6	2	4	0	12	3	1	0	0	0
Total		45	20	60	106	231	74	12	21	34	02
Grand Total		374									

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

Q1 Journal

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 Septemebr 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,

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>

Q2 Journal

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 Mat 2024, ISSN / eISSN: 0013-9351 / 1096-0953. <https://doi.org/10.1016/j.envres.2024.119163>

Q1 Journal

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 ŁukaszKnypić nski, **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**

Q2/Q3 Journal

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46. **M.K. Linga Murthy**, **A Deep automated bone age assessment model through Convolutional neural network**, 4th International conference on Recent trends in Engineering, Technology and Management, held on April 5-6, 2024 at Suguna College of Engineering, Coimbatore, India.

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49. **B. Rajeswari, J. Mani Ram, D.V.T. Praveen Kumar, K.L.V.V. Harshith, Review of Semantic Segmentation by using deep learning methods**, International Conference on Social and Sustainable Innovations in Technology and Engineering- SASI-ITE'24" by IEEE Vizag Bay Section, Sasi Institute of Technology & Engineering, Tadepalligudem, Andhra Pradesh, India., 24-02-2024 to 25-02-2024.
50. **M.V.L. Bhavani, A review on high gain superstrate antennas for satellite applications**, 1st National conference on Design Thinking Trans Disciplinary Challenges & Opportunities, Andhra University, Visakhapatnam from 07-07-2023 to 08-07-2023.

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51. Dr Mohd. Asif Gandhi, Dr. K. Priya, Dr PiyushCharan, Ritu Sharma, **G. Nageswara Rao, D. Suganthi, Smart Electric Vehicle (EVs) Charging Network Management using Bidirectional GRU – AMApproaches**, ISBN: 979-8-3503-4756-2, IEEE Xplore: 16 August 2023 <https://ieeexplore.ieee.org/document/10212236>.
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Department of MBA -11

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68. **Y Nagamani**, T Chandrasekhar Yadav, and Shaiku ShahidaSaheb, 3rd International Conference on Reinventing Business Practices Start-ups and Sustainability (**ICRBSS - 2023**) held on 2nd and 3rd November 2023, SRM Institute of Science and Technology, SRM University, Amaravathi.
69. **Naresh Ogirala**, Suresh Babu Nalliboyina, **Undabatla Rambabu**, **K Ravi Kiran Yasaswi**, **Y Nagamani**, **Reducing Complexities In Business Processing By Using Salesforce Customer Relationship Management in 1st International Conference on Digital Transformation & Sustainability of Business (ICDTSB)** Organized by Vardhaman College of Engineering, Hyderabad. On 29&30th March, 2024.

70. **Rambabu Undabatla**, Kalyan Kumar, Deepika k, Naresh Ogirala, **Analysing ETF Investor Dynamics In Indian Stock Market: A Case Study In Andhra Pradesh, Management in 1st International Conference on Digital Transformation & Sustainability of Business (ICDTSB)** Organized by Vardhaman College of Engineering, Hyderabad. On 29&30th March, 2024.
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72. B. Neelambaram, Prasad Gowda T S, M. Shyam Sundar, **D. Chaitanya**, A. Suraiya, Riyaz Mohammad, R. Vijayalakshmi, **The Role Of English As A Global Language In Shaping Modern Educational Systems**, *Educational Administration: Theory and Practice*, Vol.30, No.6, pp. 1437-1442, 5th June 2024, ISSN / eISSN: 1300-4832 / 2148-2403. <https://doi.org/10.53555/kuey.v30i6.5516>
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74. **R. Padma**, **Manjula Padmanabhan's writing: a 'Machete Strike' at the Realities of Indian society**, *Journal of Namibian Studies*, Vol.37, No.1, pp. 1094-1102, 16th November 2023, eISSN: 2197-5523. DOI: <https://doi.org/10.59670/1pkfs366>

v. Details of Books/Chapters for the Academic Year 2023-24

AI & DS: 7, ASE: 0, CE: 0, CSE: 5, CSE(ML): 1, ECE: 1, EEE: 5, IT: 0, ME: 9, FED: 1, MBA: 4; Total: 33

Total Number of **Books**: 12

Total Number of **Chapters**: 21

Sl.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
Department of AI & DS: 07 (Books: 4 & Chapters: 3)					
1.	Ms. T. S. Raja Rajeswari , Ms. Kshatriya Vinaya Sree Bai , Mr. Revanth Madamala , Dr. Lavudya Bhaskar	A Journey into the Depths of Natural Language Processing	Iterative International Publishers (IIP)	Jul-23	978-9357471824 (Book)
2.	Mr.D.Srinivasa Rao , Dr.V.SucharithaDr.P.V enkateswara rao Mr.K Sudhakar	Core & Advanced Java Programming	SS Publications	Dec-23	978-81-936640-9-4 (Book)
3.	Mr. K Venkatesh	Deep Learning	Alpha International	Dec-23	978-93-5762-499-2 (Book)
4.	V Sowjanya	Software Engineering Approach Towards Using Machine Learning for Improving the Efficiency of Health Systems	Immortal Publication	May-24	978-93-5914-875-5
5.	P Ashok, V Sowjanya	Sustainable AI and IOT based sensor data analytics	Immortal Publication	Sep-23	978-98-340-1496-9 (Book)
6.	Jaipal Reddy Padamati, Dr.O.RamaDevi	Importance of Critical Infrastructure Security Protection in Cyber Security	Immortal Publication	May-24	978-93-340-7153-3
7.	N. Vidhya Sree, K. Bhargavi, V.Sowjanya	Brain Tumor Detection in MRI Images by Applying Segmentation and Area Calculation Method Using Matlab	Immortal Publication	May-24	978-93-340-7157-3
Department of CSE: 05 (Books: 2 & Chapters: 3)					

Sl.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
8.	Mr. D. Anil Kumar, Mr. A. Sandeep Kumar, Mrs. K. Niveditha, Mr. Venkata Srinivasu Veeram	Machine Learning For Brain Tumor Identification: Progress And Bottlenecks	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.	May, 2024	978-93-6252-212-2
9.	Dr. S. Nagarjuna Reddy Dr. Chandra Sekhar Kolli Dr. Mohan Kumar Chandol Dr K. Spurthi Mr. Vinay Podagatlapalli	Artificial Intelligence and ChatGPT	Scientific International Publishing House	2023	978-93-5757-603-1 (Book)
10.	BandiVamsi, Bhanu Prakash Doppala, Mohan Mahanty, D. Veeraiah, J. Nageswara Rao, B.V. Subba Rao	A Detailed Case Study on Various Challenges in Vehicular Networks for Smart Traffic Control System Using Machine Learning Algorithms	Taylor francis.	26/01/2024	9781003409502 (Book)
11.	Dr. P.G.K. Sireesha, Dr. Venkata Kishore Kumar Rejeti, Shaik Johnny Basha	Smart Bra Device for Detecting Breast Cancer Using Machine Learning	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.	2024	978-93-6252-212-2
12.	Dr. Sumathy S, Dr. Princy Suganthi Bai S, Dr. Vudasreenivasarao, Mr. Shaik Johnny Basha (Editors)	Futuristic Trends in Computing Technologies and Data Sciences, Volume 3, Book 7	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.	05/03/2024	978-93-6252-212-2 (Book)
Department of CSE (ML) (Books:0 & Chapters: 1)					

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
13.	Mrs.A.Haritha	A Flexible and Reconfigurable Network Architecture for Designing the 5G Network Infrastructure	IIP- Iterative International Publisher	Dec-23	978-93-5747-891-5
Department of ECE: 01 (Books:0 & Chapters: 1)					
14.	Sateesh Kumar Reddy C, Poornaiah Billa	Seizure Detection and Classification with EEG Signals	IIP Publisher	May 2023	978-93-6252-491-1
Department of EEE: 05 (Books: 3 & Chapters: 2)					
15.	Dr.G.Nageswara Rao Dr.Prakash N S.Muthurajan Mr.Subbi Naidu Bora	Intelligent control of electric vehicles DOI: https://doi.org/10.5281/zenodo.10897258	R K Publications	22/03/2024	978-81-971820-3-7 (Book)
16.	Dr. Madhavi Mallam, Dr. K.Ramalingeswara Prasad ,Mr. Mallam Sreenu,Dr. Y.Narendra Kumar	Electromagnetic Fields – Theory And Practices	Deccan Academic International Publishers	10/11/2023	978-81-967409-3-1 (Book)
17.	G.Nageswara Rao , Dr.Y.N.Vijaya Kumar, R.K.PadmaShini	Hybrid Electric Vehicles Principle and Applications	R K Publications	20/07/2023	13: 978-8119489039 (Book)
18.	Chilukoti Varaha Narasimha Raja Srilakshmi Lavanya Kota	Electric Vehicles integration on Distribution grid issues and methods to Mitigate impact of EV on Power Quality: A Review	Andhra University	01/07/2023	978-93-5915-224-0
19.	J.V.Pavan Chand K.Narasimha Rao	MRAS based control of Grid-Connected VSC HVDC with Flywheel	Andhra University	01/07/2023	978-93-5915-224-0

Sl.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
		Energy Storage System for Offshore Wind Farms			
Department of ME: 09 (Books: 02 & Chapters: 07)					
20.	Gopichand Dirisenapu, Lingaraju Dumpala, Seelam Pichi Reddy	Mechanical And Tribological Characteristics Of Aa7010-B4c-Bn Metal Matrix Nanocomposites	Laxmi Book Publication	01/09/2023	978-13-1221-8765 (Book)
21.	Dasari Sai Naresh and K. Ravi Prakash Babu, Murahari Kolli	Experimental studies on Mechanical characteristics of Bamboo Leaf Ash reinforcement with Aluminum 7075 alloy using Rotary Stir Casting technique	Bentham Science	Dec 2023	978-981-5136-72-2
22.	G.Prasada Rao,L.S.V Prasad, V.Dhana raju	Assessment of Diverse Characteristics of Diesel Engine Fueled with Various Biofuels: A Review	Springer	31/07/2023	978-981-99-1287-2
23.	P.Ravindra Kumar , Ch.Srinu	Futureistics Trends in Mechanical Engineering- Shape Optimization of a Heavyduty Truck Chassis Frame using CAE Tools	IIP Series Volume 3 Part 6 Chapter 1	23/02/2024	978-93-5747-3521
24.	P.Ravindra Kumar , Nelakuditi Naresh babu	Futureistics Trends in Mechanical Engineering- Thermal Design fabrication and Anlysis of Phase Change Material Based Air Cooler	IIP Series Volume 3 Part 6 Chapter 1	Mar 2024	978-93-5747-3521

Sl.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
25.	Dr.P.Ravindra Kumar , Ms.Richa Pahuja, Dr. Ram Subbaiah, Dr. Ajay D.Dahegaonkar, Dr. Gopinath R	Renewable Energy Conservation and Management	Jaya Lakshmi Publication	Nov-23	978-93-90203-67-3 (Book)
26.	Pasupuleti Ravindra Kumar and Naradasu Ravi Kumar	Comparative Exergy Analysis of Thermal Power Plant Systems	Intechopen Chapter 1	Apr-24	978-0-85466-683-6
27.	E. Sateesh, K. Lakshmi Padmavathi A Nageswara Rao	Enhancing Disease Prediction Accuracy: Leveraging Random Forest Out of Bag for Early Detection and Diagnosis in Healthcare	CRC Press	23/04/2024	9781032665474
28.	A. Nageswara Rao , R. Jeyapaul, B. Chaitanya, G. Manikanta	Measuring the violations, errors and lapses using driving behaviour questionnaire (DBQ) on Indian drivers	CRC Press	24-Jun-24	9781032713229
Department of FED: 01 (Books: 01)					
29.	Dr. K. Gangadhar, Dr. K. Bhanu Lakshmi	Nano fluid flow with Bio convection and its Applications	LAMBERT Academic Publishing	16/08/2023	978-620-6-76743-5
Department of MBA: 04 (Books: 0, Chapters: 04)					
30.	Dr. A. Adishesha Reddy , Dr. Naresh Ogirala, Dr. Kakarla Deepika and Ms. A. Meghana Sai	Excellence in Management Education: A case and Research CompendiumChapter Name: Human Capital Intelligence (HCI) - The Heuristics and Horizons	AIMS	Aug-2023	978-93-5840-083-0

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
31.	Dr. A. Adishesha Reddy , A. Meghana Sai and CH. Sai Kumar	Excellence in Management Education: A case and Research CompendiumEase-of-Doing Business: Current Scenario	AIMS	Aug-2023	978-93-5840-083-0
32.	Mr. K. Ravi Kiran Ysaswi , Dr. Naresh Ogirala, Kankata Sateesh and D. Bharath Lakshman	Excellence in Management Education: A case and Research CompendiumChapter Name: Financial Trend Analysis of FINCARE Small Finance Bank: The Analytical Exposure	AIMS	Aug-2023	978-93-5840-083-0
33.	Dr. K. Deepika Mr. U. Rambabu Dr. O. Naresh	Futuristic Trend in ManagementChapter Name: Role Of Artificial Intelligence In HR- A Theoretical Perspective	Iterative International Publishers	Apr-24	978-93-5747-582-2

vi. Details of Patents for the Academic Year 2023-24

AI&DS: 6, ASE: 1+0, CE:1, CSE: 7, CSE(ML):2, ECE: 6, EEE: 2, ME: 1+9, IT: 1, FED:0, MBA: 0
Total: 36

Sl.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
Granted Category - 01			ASE-01		
1.	An Alternative Dividing Head Mechanism Using Magnetic Patterning	Pinapatruni Gangadhar Venkata Ramana (Student) Dr.L.Prabhu Dr.Jonnalagadda Srinivas	201941052488 Patent Grant Ref. No.: 514095	18/12/2019	22/02/2024
Granted Category - 01			ME-01		
2.	A Localized Intelligent Vehicle for Disabled Individuals	Vallapudi Dana Raju	202141007160 Patent Grant Ref. No.: 534426	20/02/2021	23/04/2024
Patents under Published Category - 34					
AI & DS-06					
3.	Real Time Predictive Anaylasis Of User Behavior Analytics Mechanism For Deceting Insider Threats Usi	Dr.D.Mohanapriya P.M.Kavitha Dr.Vishal Ratansing Patil Divvela Srinivasa Rao Dr A Muthukumaravel Priyanka s Dewalkar Dr. Soumi Dutta Dr Chandra Kumar dixit Dr. P. Patchaiammal	202341058174	30/08/2023	02/02/2024
4.	Enhancing Marketing Strategies Through Ai Fish Swarm Optimization Algorithm	Dr. Vadhri Suryanarayana Dr. Sajja Deepthi Dr. Timmeswara Sarma Nori Dr. Venkata Naga Siva Kumar Challa Dr. Puli Danaiah Mrs. K. Srivalli	202441036572	08/05/2024	24/05/2024

Sl.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
5.	Deep Learning Approaches To Analyse The Economic Impact Of Travel, Tourism, And Hospitality In An Organisation	Dr. Vadhri Suryanarayana , Ankur Bhamu , Dr.G. Krishnapriya Arun A , Dr.Prasanthi Gottumukkala , Dr. Bandaru Srinivasa Rao , V. Akshaya 8)Esther A ,Santhiya S , Anthony Savio Herminio Da Piedade Fernandes, Dabi Bhagyashree ,Prof. Prashant Adsule	202441036464	08/05/2024	17/05/2024
6.	An Artificial Intelligence (Ai) Based Information Management System And Method Of Operating The Same	V. Chandra Kumar Venkata Praveen Kumar Kaluvakuri Sai Krishna Reddy Khambam Venkata Phanindra Peta	202441047644	20/06/2024	28/06/2024
7.	System And Method Of Ultra-High Compression Of Mri-Images Based On Deep Learning	K Jyothi, Dr. V. Raghavendran, Kshatriya Vinaya Sree Bai , Sudarshan Kumar Jain, Dr. G Naga Rama Devi,	202441007883	05/02/2024	08/03/2024
8.	An Artificial Intelligence (Ai)-Based System For Supporting Individuals By Conveying Knowledge And Method Thereof	Sowjanya Vuddanti Ch. Satya Keerthi N.V.L V. Navya Sree Avinash Gupta Desetty Srinivas Reddy Pulyala	202341081549	30/11/2023	05/01/2024
CE-01					
9.	Development of sustainable concrete for structural applications	Abdhesh Kumar Sinha Mrs. K N Kulkarni Ms. Sneha P Khedekar Dr. Shilpi S Bhuinyan Devendra Dohare Dr. Srikanth Ramvath Mr. Bhor Amol Sunil K. Harish Kumar Dinesh W. Gawatre B. Rama Krishna	202331073958	30/10/2023	03/11/2023
CSE-07					
10.	System And Method For Sim Card Tray Automatic Ejection And Retraction By User Authentication	Arjun Uddagiri Eswar Pragada Dr D Veeraiah Dr D Venkata Subbaiah Yanduru Neha Dr Stayanaryana Talam Dr Seelam Pichi Reddy	202341086939	05/01/2024	19/12/2023

Sl.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
11.	Development Of Machine Learning Driven 3d Printing Technology For The Construction Of	Dr. D. Veeraiah Syed Sabihuddin Vandana Ahuja Dr. Nupur Mistry Dr. Gouri Desai Prince Sood Prof. (Dr.) Parul Goyal	202441039129	18/05/2024	31/05/2024
12.	Iot Integrated System For Gas Leak Detection And Threat Zone Identification And Method Employed Thereof	DR. B. SIVARAMAKRISHNA, IMANDI VASAVI, MULLANGI RAJU, DR. D. VEERAIAH, DR.K.DEVIPRIYA, DR.D.VENKATA SUBBAIAH, PAJJURI SARANYA DURGA	202441030458	16/04/2024	19/04/2024
13.	A Blockchain-Enabled Cloud Computing Platform For Distributed Applications	Mrs. P. Rama Devi Dr.BJDKalyani Mr. M. Sabari Ramachandran Mr. K. Sreekanth Mr. Tulasi Rajesh Mr. ShaikJohnny Basha Dr.Pilli.LalithaKumari Dr.P.G.K.Sirisha Dr.Jitendra Singh Dr.Nagarjuna Reddy Gujjula	202341039905	12/06/2023	18/08/2023
14.	Predictive Analysis Of Stock Market Trends Using Machine Learning Techniques	Dr BhavanamAmarnath Reddy Sameer Yadav Dr.Rais Abdul Hamid Khan Dr.IshratRasool Dr. Poonam Singh ShaikJohnny Basha Mr. YogeshKantilal Sharma Ashish Diwakar Vaishali Mishra Dr.R.Rajagopal D. Kirubakaran Anthony Savio Herminio da PiedadeFernandes	202441013152	23/02/2024	08/03/2024
15.	Developing Next-Gen 6g Wireless Communication System with Iot-Driven Intelligent Edge Solutions for Electric Vehicle Connectivity	Dr. M. Sitharam Prof. Dasharath Vandana Ahuja Dr. Subrata Jana Dr. Anand Sharma Dr. Udit Mamodiya	202441025053	28/03/2024	05/04/2024

SI.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
16.	A System And Method Enhancing Security Of Multi Modal Biometrics Templates During Enrollment And Verification Process	Pavani Chitrapu Hemanth Kumar Kalluri Mahesh Kumar Morampudi Gopi Suresh Arepalli	202441042114	30/05/2024	07/06/2024
CSE (ML) - 02					
17.	RFID and GSM Based Security System For Linemen	Dr.B. Rajendra Prasad	202341063344A	21/09/2023	06/10/2023
18.	Adaptive Image Enhancement Using Contextual Deep Learning Feedbackloops	Dr.B. Rajendra Prasad	202341063011A	19/09/2023	06/10/2023
ECE-06					
19.	Deep Learning for privacy preserving medical diagnosis in Indian healthcare	Dr. Pradyumna Singh Shekhawat Mr. Dhupam Arun Kumar, Dr.M.S.S.S. Srinivas Dr. Chanamala Vijay Dr. B.V.N.R.Siva Kumar Dr. Sabu George Bhupendra Singh Dr. Rovin Tiwari	202411044823	10/06/2024	21/06/2024
20.	A Smart Farming Pest Control System using Internet of Things [IOT]	Dr.A.Narendra Babu Dr. Satyanarayana Talam Dr.P. Rakesh Kumar Mr. Kalaga Venkata Ashok Dr.Seelam Pichi Reddy	202341073773	30/10/2023	15/12/2023
21.	An Implementation method for 50 GBPS 200 Km Optical Wireless Communication System using Preemphasis Technique	Dr. M. Venkata Sudhakar, Dr. Satyanarayana Talam	202441014657	28/02/2024	08/03/2024
22.	Multi Utility Wheelchair for Crawling People	Dr.Boddupalli Venkata Naga Raja Siva Kumar, Dr.Seelam Pichi Reddy, Dr.E.V.Krishna Rao, Pamula Narendra Babu, Annamdasu Nageswara Rao, Syamala Subba Reddy	202341065948 A	30/09/2023	20/10/2023

SI.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
23.	A Novel System for identifying Cyber Security Attacks using Artificial Intelligence	Mr. Kuchinad Vaishak, Mrs.P R Rajakumari, Mr. Jaswant Narendra Saxena, Mr. Ananya Nagraj, Mrs. Pavani Kollamudi , Mrs.C.Radhika, Dr.K.G.S.Venkatesan, Mr.D.Anandan, Dr.S.Vinod Kumar	202341069360 A	14/10/2023	24/11/2023
24.	Arduino Embedded T-Shirt for Continuous Monitoring of Cardiac Health using ECG Signal	Dr. Surendra Bhosale, Dr. Abhay Kshirsagar, Shumali Gupta, Dr BVNR Siva Kumar , Dr Kapil Gupta	202321075820A	06/11/2023	08/12/2023.
EEE -02					
25.	A Deep Learning Approach For Implementing Iot In Hybrid Electric Vehicles For Energy Management	1) Dr.G.NageswaraRao 2)S Muthurajan 3)Dr. Soumya Mishra 4)Dr Ajay D. Dahegaonkar 5)U R Sankar Yalavarthy 6)Gbsr Naidu 7)Dr. Srijan Paul 8)Dr. Pinaki Ranjan Duari 9)Suraj Yadav 10)Prof. Prashant Adsule 11)Dr B.Karunamoorthy 12)V Balaji	202441021004 A	20/03/2024	29/03/2024
26.	Forecasting Electric Vehicle Charging Station Preference Through Shap-Based Machine Learning Method	1)Sakthivel M 2)Dr. Mulla Suleman Basha 3)Dr. G. Nageswara Rao 4)Lingraj M Kale 5)Dr. Pawan Kumar Sharma 6)Pankaj Kumar Dubey 7)Dr. Alla Srivani 8)Kalagotla Chenchireddy 9)Sandip Kumar Das 10)P Mani 11)Dr. Jyoti Prasad Patra 12)Banupriya V	202341051110 A	29/07/2023	01/09/2023
IT-01					
27.	A Computational Method For Brain Tumor Classification Using Hybrid Deep Intelligence Model On Mri Images	Dr. Annapareddy V N Reddy, Dr. Phaneendra Kanakamedala, Dr. Buraga Srinivasa Rao, Rajasekhar Kommaraju, Dr. Satuluri Naganjaneyulu, C H Sambasivarao, Raviteja Kamarajugadda, Dr. Y. Vijay Bhaskar Reddy	202341073772 A	30/10/2023	15/12/2023
MECH-09					
01-08-2024 Annual R & D Report: AY 2023-24 R&D Cell @ LBRCE Page 56 of 84					

SI.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
28.	A Control System For Internal Combustion Engines Utilizing Flexible Alternative Fuels And Method Thereof	Mr. Alias Paul Sudheer Kumar Battula Dr. S. Thiruchitrabalam Dr.K.Balasubramanian Mr. Md. Farid Hossain Dr. P. Suresh Kumar Mr. M. Sudhakar	202341042495	25/06/2023	07/07/2023
29.	Mono Wheel Bicycle With Enhanced Stability And Maneuverability	GANDHAM YEDUKONDALU Dr. T. Srinivasa Rao Dr. K. Satyanarayana Mr. B. Sudheer Kumar Mr. V. Kiran Kumar Ms. M. Lakshmi Vinitha Dr. SK. Jakeer Hussain Nadavapalli Venkata Naga Gopala Joga Rao	202341062471	17/09/2023	06/10/2023
30.	Effect of fuel injection pressure on performance and emission characterstics of DI-CI engine with shea olein biodiesel	Dr. K.Bhaskar Mutyalu Mr. V.Venkatrami Reddy Mr. K.V.Jawahar Mr. K.Lakshmi Prasad Dr. Gopala Rao Thellaputta Dr. Kiran Kumar Billa Seelam Umamaheswara Reddy K. Sai Babu Mr. K.Ramprasad Vidya Sagari K	202341082074	02/12/2023	22/12/2023
31.	Coconut Coir Fiber Reinforced Epoxy Composite With Cement Filler	Srinivasa Rao Kamana, Dr G. Bala Murali Krishna, Siva Sankara Babu Chinka , Dr Jeevan Kumar N, Dr P Vasanth Kumar	202341063961	23/09/2023	06/10/2023
32.	An IoT Enabled Smart Electric Bicycle	Lakireddy Bali Reddy College of Engineering, Dr. V.Dhana Raju ,SeelamPichi Reddy, Dr. M.B.S.Sreekar Reddy, J.Subba Reddy, Dr. Y. Amar Babu, G.Jitendra, Sai Vyshnavi, Dr.P.Rakesh kumar, Dr. G.Nageswararao	202441014564 A	28/02/2024	08/03/2024
33.	Fabrication of Aqua Oxidizer	K. Lakshmi Prasad V.Venkatramireddy Dr.V K Viswandha Raju S Rama Krishna M.Sundar Rao D.Sridevi Ch.Usha K. Bhaskar Mutyalu	202441040681 A	24/05/2024	31/05/2024

SI.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
34.	Utilizing self-healing materials for IOT Enabled Infrastructure maintenance and repair in data communication networking	N. Rajesh Babu Narender Chinthamu A.Anansraj Rinoo Rajesh Nitin Kumar Dhimole Varimadugu Sandhya Jyothirmayi Narne Dr. Siva Sankara Babu Chinka Sivasankara Raju R M A Stephenraj	202441027525	03/04/2024	12/04/2024
35.	A Novel method for fabricating leaf spring using E glass/ Epoxy composites for light Heavy Vehicles	Gandham Yedukondalu Dr.T srinivasa Rao Dr. K. Dileep Kumar Dr.Sk. Jakeer Hussain Dr.K.Satyanarayana M.Avinash M.Lakshmi Vinita	202441008457 A	07/02/2024	08/03/2024
36.	Design And Analysis Of High Strength To Weight Backhoe Loaders	Sathishkumar Natesan S Bala Mohan K S Sriram Frank Gladson T S Dr V Gopal Dr. S. Rajesh Ruban Dr R Prabu Jonnala Subba Reddy G. M. Pradeep G. Ashwin Prabhu C. Anand	202441012315 A	21/02/2024	15/03/2024
Patents Granted under Design Category - 06					
37.	Iot Based Wireless Rain Gauge Device	Mr. Anandbabu Gopatoti Dr.P.Ranjith Kumar ,Dr.C.Sateesh Kumar Reddy ,Dr.Poornaiah Billa	377317-001 (Design Grant)		25/10/2023
38.	Artificial Electronic Hand With Electromyographic Signals	Ankit Kumar Dwivedi, Dr. Abhay Kshirsagar, Dr B V N R Siva Kumar , Prof Pratha Mishra, Hardev Singh Pal, Dr Rovin Tiwari	396426-001 (Design Granted)		06/11/2023
39.	AI Based Body Scanner	Sankararao Vinjavarapu Dr.Md.Khaja Moinuddin Jothi Soni Manoj Tiwari Abhineet Samadhiya Hansini Medikundu Anna Eswara Kumar	414012-001	18/04/2024	22/05/2024
40.	Dr.P.Nagarajan, Dr.R.Anitha, Dr.K.Sundaramoorthy, Dr.A.V.G.A.Marthanda	Medical waste treatment device	383823-001 (Design Patent)	03/07/2023	
01-08-2024 Annual R & D Report: AY 2023-24 R&D Cell @ LBRCE Page 58 of 84					

SI.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Granted/Published Date
41.	Artificial Intelligence Based Thermal Vision Surveillance Robot	Dr. Vadhri Suryanarayana Ms. Janani B Ms.Vidya Prabha Ms. Antara Malakar	413275-001	11/04/2024	
42.	Battery Management Device for Electric Vehicle	Dr. Uma Ravi Sankar Yalavarthy, Dr. Karuna Nidhan Singh, Dinesh Chandramohan, Pramod Kumar Singh, Shailandra Kumar Prasad, Shaik Johny Basha, Davinder Kumar, Balaji Subramanian, Prem Chandra, Dr. Irissappane Dhanusu Soubache	UK Design Patent Grant		

vii. Details of Sponsored Research during the A.Y.: 2023-24

- i. No. of **Sanctioned & Ongoing** Research Projects during this A.Y. : 3 & 3
 ii. No. of Research Projects **Completed** : 1
 iii. No. of Grants **other than Research Projects** : 3
 iv. Total **Funds mobilized** from Funding Agencies during **this A.Y.** : Rs. 18,99,000/-

Research Projects

S.No.	Faculty with Designation	Title of the Project	Funding Agency-Scheme	Amount Sanctioned & Date	Amount Received in Rs.& Date	Duration & Status
1.	K. Akhila (22765A0209) Dr. G. Nageswara Rao (Mentor-EEE)	PV Powered Smart Handcart for Street Food Vendors Cooking Food and Selling on Site	MSME-Idea Hackathon 3.0 (Woman Champions)	15,00,000/- & 14-03-2024	Waiting for fund release	1 Year & Sanctioned
2.	Tupakula Sruthi Kumari (22761A02A4) Dr. G. Nageswara Rao (Mentor-EEE)	Detection And Analysis of Mental Stress in Online Learning Using IoT Devices	MSME-Idea Hackathon 3.0 (Woman Champions)	15,00,000/- & 14-03-2024	Waiting for fund release	1 Year & Sanctioned
3.	Kotapati Sravanthi (21761A4233) Dr. M. Sitha Ram (Mentor_CSE)	Wearable Smart System for Visually Impaired People	MSME-Idea Hackathon 3.0 (Woman Champions)	15,00,000/- & 14-03-2024	Waiting for fund release	1 Year & Sanctioned
4.	Oleti Prathyusha (20761A12A1) Dr. K. Venu Gopal, (Mentor_IT)	Oxygen Management Alarm	MSME-Idea Hackathon 2.0	15,00,000/- & 13-07-2023	10,50,000/- & 18-12-2023	1 Year & Ongoing
5.	Dr.B.Poornaiah Professor Dept. of ECE	Design and Characterization of a Carbon Nanotube (CNT) Strain Sensor for Prosthetic Implants	SERB	16,71,780/- & 01-12-2023	5,97,000/- & 05-01-2024	3 Years & Ongoing
6.	Dr. B. Rambabu Professor Dept. of ECE	Development and Characterization of Miniaturized Piezoresistive Cantilever for Biosensors	SERB-EEQ	27,96,332 & 17-12-2022	14,71,000 & 02-03-2023	3 Years & Ongoing
7.	Dr. S. Niloufer, Dr. L. Bhagya Lakshmi FED	Prakruthi - The Environmental Club of LBRCE-Scheme for Promoting Interest, Creativity and Ethics among Students (SPICES)	AICTE-SPICES	1,00,000/- & 25-05-2022	1,00,000/- & 02-02-2024	1 Year & Completed

8.	The Principal & Dr. T. Satyanarayana Professor, ECE Nodal Officer, KAPILA	Patent Filing Financial Assistance	AICTE- KAPILA	--	28-08-2023 & 22,400/-	Patents Approved & Funds Released
				--	11-06-2024 & 5,600/-	Patents Approved & Funds Released
9.	Dr. J. Siva Vara Prasad Dr.K.R.L. Prasad Dept. of EEE	Internet of Things Based Green Energy Technologies (17/10/2022 to 29/10/2022)	AICTE – ATAL FDP	Rs. 3,00,000 & 07-09-2022 Rs. 2,38,000 & 14/10/2022	Rs. 62,000 & 18-01-2024 (Final Installment)	Completed
10.	Dr. D. Veeraiah Dr. P. Bhagath Dept. of CSE	Data Analysis Tools & Techniques for Text and Speech Analytics (14/11/2022 to 25/11/2022)	AICTE – ATAL FDP	Rs. 3,00,000 & 07-09-2022 Rs. 2,38,000 & 14/10/2022	Rs. 62,000 & 28-08-2023 (Final Installment)	Completed
11.	Dr. V. Rama Krishna Professor &HoD Dept. of Civil Engg.	Geospatial Analysis and Development of Knowledge Dissemination of Resources to Combat COVID-19 and Similar Pandemics in the Villages of Mylavaram and G. Konduru Mandals of Krishna district, Andhra Pradesh	DST-NGP	17,67,084 & 24/11/2021	17,30,000 & 18/12/2021 22/12/2021	9 Months & Completed

Seed Money Projects - 04

A.Y.: 2023-24 (Total: 8.23 Lakhs)					
S.No.	Name of the Faculty Member	Dept.	Title of the Project Proposal	Date of Sanction (DD-MM-YYYY)	Sanctioned Amount in Rs.
1.	S. Indrasena Reddy Sr. Asst. Professor	ASE	Design and Development of Low Velocity Drop Tower Impact Tester for Analyzing the Impact Behaviour of FRP Composite Laminate Structures	09-10-2023	1,42,315/-
2.	Dr. BVNR Siva Kumar (PI) Associate Professor, Mr. S. Srinivas Reddy (Co-PI) Sr. Asst. Professor	ECE & ME	Design and Development of Robots for Consumer and Clinical Support	09-10-2023	1,77,000/-
3.	P.Naranadra Babu Sr. Asst.Professor	AI&DS	Smart City Sensing through Federated Learning	20-04-2024	93,000/-
4.	Mr. G.V. Suresh Associate Professor	CSE	Level 4 Autonomous Night patrolling Robot for Late Night Crime Monitoring and Live Streaming	26-06-2024	2,05,300/-
5.	Dr.P.Rakesh Kumar (PI) Associate Professor Dr.V.Ravi Sekhara Reddy (Co-PI) Associate Professor	ECE	Wearable Antennas for Biomedical Applications	26-06-2024	2,05,000/-

viii. Faculty Pursuing Ph.D.: 108

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
AI & DS-11					
1.	Mr. K.Sudhakar	Dr. M.J.Stephenson	01/08/2017	Andhra University	Cloud Computing services
2.	Mr. P.Narendra babu	Dr. AjoyKumarKhon	22/08/2022	Mizoram University(A Central University)	Federated Learning
3.	Mr.SVVDJagadessh	Dr.M.KamalaKumari	11-11-2020	AdiKaviNannaya University	Natural Language Processing
4.	Mr.D.SrinivasaRao	Dr. V.Sucharitha	16/01/2014	KLEF	Data Mining
5.	Mrs.V.Sowjanya	Dr A.SriNagesh	02/06/2022	Acharya Nagarjuna University	Deep Learning
6.	Mr V.Chandra Kumar	Dr.R.Kalpana	17/11/2022	Pondicherry University	Machine Learning
7.	Mr. K.Venkatesh	Dr.Partha Paraky	18/07/2023	NIT SILICHER	Natural Language Processing & Machine translation
8.	Mr.S.SivaRamaKris hna	Dr.N.SreeNath	20-09-2023	Pondicherry University	Machine Learning
9.	Mrs.K.VinayasreeBai	Dr.M.Thirumaran	20-09-2023	Pondicherry University	Deep Learning Cyber Security
10.	Mr.V.Dileep Kumar	Dr.M Sandhya	19-12-2019	NIT-Warangal	Security(Biometric)
11.	Mr.P Gandhi Praksh	Dr.Sai Chaitanya	10-11-2022	JNTUK	Machine Learning
ASE-03					
12.	Mr.I.DakshinaMurt hy	Dr.P.Lovaraju & Dr.V.Ramachandra Raju	06/03/2016	JNTUK,Kakinada	Gas Dynamics
13.	Mr.S.IndrasenaReddy	Dr.B.Nagaraju	14/07/2020	AndhraUniversity	Composite Materials

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
14.	Mr. NazumuddinShaik	Prof. P.Venkataramaiah	30/07/2022	Sri Venkateswar aUniversity	Composite Materials
CE-09					
15.	J Rangaiah & Civil	Dr. P. Udaya Bhaskar	2/12/2016	JNTUK	Water Resource Engineering
16.	C Rajamallu& Civil	Dr. E. Aruna Kanthi	5/12/2016	JNTUA	Structural Engineering
17.	B Ramakrishna & Civil	Dr. P.Subba Rao	9/3/2020	JNTUK	Structural Engineering
18.	B Narasimha Rao & Civil	Dr. K.Ramu	9/3/2020	JNTUK	Geo Technical Engineering
19.	J Eeshwar Ram & Civil	Dr. S. Kamal	9/25/2019	Annamalai University	Structural Engineering
20.	M Satyanarayana & Civil	Dr. D. Gopinath	9/25/2019	Annamalai University	Structural Engineering
21.	M Manoj Kumar & Civil	Dr. A. Uma Maheshwara	15/05/2021	SRM-AP	Transportatio n Engineering
22.	K Harish Kumar & Civil	Dr. M.V.N. Sivakumar	30/08/2021	NITW	Structural Engineering
23.	K. Jaya Rao & Civil	Dr. M.Sivakumar/ Dr. M.V.L.R. Anjaneyulu	24/01/2022	NITC	Transportatio n Engineering
CSE-23					
24.	Mr. G V Suresh	Dr. E Srinivasa Reddy	22/08/2011	JNTU-H	Data Mining
25.	Mr. A Srirama Chandra Murthy	Dr. Ch V Narayana	09/02/2016	JNTU-K	Data Mining
26.	Mr. A Raja Gopal	Dr. MHM Krishna Prasad	23/11/2013	JNTU-K	Data Mining
27.	Mr. N V Naik	Dr PVGD Prasad Reddy	13/07/2020	Andhra University	Machine Learning
28.	Mr. SK Johny Basha	Dr. D. Veeraiah	10/9/2020	JNTU-K	Network security & Machine Learning
29.	Mr. S Govindu	Dr. R Lakshmi	9/8/2019	Pondicherry University	DNA Computing
30.	Ms. A Praneetha	Dr. S Srinivasa Rao	15/01/2018	KL University	Cloud Computing & Security
31.	Ms. B. Swathi	Dr. K. V. Ramana		JNTU-K	Machine Learning

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
32.	Mr. N. Srinivasa Rao	Dr G Madhavi	29/04/2022	JNTU-K	Machine Learning
33.	Mr. T N V S Praveen	Dr O Ramadevi	29/07/2022	JNTU-K	Computer Networks
34.	Mr. S. Srinivasa Reddy	Dr. Ch V Narayana	29/04/2022	JNTU-K	Machine Learning
35.	Ms. B. Usha Rani	Dr. D Rajya Lakshmi	28/01/2023	JNTU-GV	Machine Learning
36.	Mr. A. Gopi Suresh	Dr. P Boobalan	13/04/2022	Puducherry Technological University	bio metrics security
37.	Mr. R. Ashok	Dr. R Subramanian	31/07/2018	Pondicherry University	IoT
38.	Ms. G. V. Rajya Lakshmi	Dr. S Krishna Rao	16/07/2020	Andhra University	Machine Learning
39.	Mr N Srikanth	Dr.T.PremJacob	01/07/2018	Sathyabama ,Chennai	Cloud computing
40.	Mr D Anil Kumar	Dr. M. Ezhilarasan	13/04/2021	Puducherry Technological University	Machine Learning
41.	Mr. Ch Srinivasa Rao	Dr.G .Zayaraz Professor	18/11/2022	Puducherry Technological University	Machine Learning and Information Security
42.	Mr. P. Veeraswamy	Dr D.N.D.Harini	17/02/2023	Andhra University	Machine Learning and Deep Learning
43.	Mr M Kiran Kumar	Dr.G .Zayaraz Professor	18/11/2022	Puducherry Technological University	Machine Learning
44.	Mr P Jagadeeswara Rao	Not Assigned	28/01/2023	JNTU-K	Machine Learning, Deep Learning, DIP
45.	Ms P Sarala	Not Assigned	25/01/2023	JNTU-K	Machine Learning and Deep Learning
46.	Mr Md. Amantulla	Dr. N V S Lakshmipathi Raju	27/01/2023	Andhra University	Machine Learning & Data Science
ECE-18					
47.	Mr.V.V. Rama Krishna	Dr.M. Suman	05/07/2017	KL University, Vaddeswaram	Signal Processing

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
48.	Mr. G. Venkata Rao	Dr.E.V. Krishna Rao Dr.B.T. Krishna	21/02/2019	JNTUK Kakinada	VLSI
49.	Mr. K. Sasi Bhushan	Dr. P. Rajesh Kumar	12/04/2008	A.U. College of Engineering, Andhra University, Vizag	Image Processing
50.	Mr. M. Siva Sankara Rao	Dr. P. Satyanarayana	05/07/2017	KL University, Vaddeswaram	Communication and Signal Processing
51.	Mr.M.K. Linga Murthy	Prof. G.Umamaheswara Reddy	26/10/2020	SVU Tirupati	Satellite Image Processing
52.	Smt.B. Rajeswari	Prof.P. Abdul Khayum	29/06/2017	JNTUA Anantapur	Medical Image Processing
53.	Smt. M. Ramya Harika	Dr. A. Charles Dr.Y.Amar Babu	12/11/2018	Annamalai University	Communications
54.	Mr. P. Venkateswara Rao	Dr.M.V.D. Prasad	15/07/2019	KL University, Vaddeswaram	Signal Processing
55.	Mr.Ch.Siva Rama Krishna	Dr. Raja Chandra Sekharan	15/07/2019	KL University, Vaddeswaram	Communications
56.	Mr.Ch.Mallikarjuna Rao	Dr. Sumit Kumar Chatterjee	29/07/2019	BITS Pilani, Hyderabad Campus	Digital VLSI Design
57.	Smt.M.V.L. Bhavani	Dr.G.Manmadha Rao	09/07/2020	Andhra University, Anits College, Visakhapatnam	Antennas
58.	Mr.K.V.Ashok	Prof. P. Rajesh Kumar	15/07/2020	A.U. College of Engineering, Vizag	Bio-Medical Signal Processing
59.	M. Samba Siva Reddy	Dr. P. Vinay Kumar	07/09/2020	JNTUK Kakinada	Modern Wireless Communication

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
60.	Smt.K.Balavani		30/04/2022	JNTUK Kakinada	VLSI
61.	Mr.P.James Vijay	Dr. P. Vinay Kumar	30/04/2022	JNTUK Kakinada	Signal Processing for Communication
62.	Mr.N.Dharmachari	Dr. Y. Amar Babu	30/04/2022	JNTUK Kakinada	FPGA Accelerators
63.	Smt.K.Pavani	Dr.G. Srinivasulu	30/04/2022	JNTUK Kakinada	VLSI
64.	Smt.T.Kalpana	Dr.Rajya Lakshmi	30/04/2022	Pondicherry University	Image Processing
IT-10					
65.	Mr. G. Rajendra	Dr. M. Babu Reddy	28/05/2010	Rayalaseema University	Software Engineering
66.	Mr. Rajasekhar K	Dr.M.S.Anbarasi	18/04/2022	Pondicherry Technology University	Deep learning
67.	Mr. Rajesh Reddy Muley	Dr. B. Bhanu Prakash	29/04/2022	JNTU-K	Machine Learning
68.	Mr. V.V. Krishna Reddy	Dr. V. Geetha	25/11/2022	Pondicherry Technology University	Big Data Analytics, Machine Learning
69.	Mr. Ch.P.V. Srinivasa Rao	Dr.J.Jayabharathy	18/11/2022	Pondicherry Technology University	Machine Learning, Distributed Computing
70.	Mr.K.Ravi Teja		25/01/2023	JNTU-K	Machine Learning
71.	Mr.Ch Sambasiva Rao		25/01/2023	JNTU-K	Machine Learning
72.	Mr.M.Vijay Kumar		25/01/2023	JNTU-K	Machine Learning
73.	Mrs.D.Vijaya sri	Dr.B.Jaya Lakshmi	25/02/2023	Andhra University	Information Security(IOT)
74.	Mr.B.Sarath Chandra	Dr. Tapas Kumar Mishra	16/09/2021	SRM University, AP	Health Care using Deep Learning
ME-10					
75.	B.Kamala Priya	Dr.S.N. Padhi	05/07/2017	K L E F, Vaddeswaram	Thermal Engineering

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
76.	K.V.Viswanath	Dr. P. Srinivasarao	22/05/2018	Andhra University VIZAG	Design Engineering
77.	A.Dhanunjay Kumar	Dr. K.S.S. Harish	03/07/2018	NIT Tirucharapalli	Production Engineering
78.	K.Narayana	Dr.V.V. Subba Rao	01/03/2019	JNTU Kakinada	Production Engineering
79.	D.Mallikarjuna Rao	Prof Indrakiran, ANITS College, Visakhapatnam	15/07/2020	Andhra University VIZAG	Thermal Engineering
80.	V.Sankara Rao	Dr. K.Siva Prasad, ANITS College, Visakhapatnam	15/07/2020	Andhra University VIZAG	Design Engineering
81.	S.Rami Reddy	Dr.Saroj Kumar Sarangi	16/09/2021	NIT PATNA	Thermal Engineering
82.	K.Venkateswara Reddy	Dr.Seelam Pichi Reddy	28/04/2022	JNTU Kakinada	Production Engineering
83.	K.Lakshmi Prasad	Dr.S.Rama Krishna, GVPCE, Visakhapatnam	29/04/2022	Andhra University, VIZAG	Thermal Engineering
84.	J.Subba Reddy	Dr.Ashok Kumar Pandey	2023	IIT Hyderabad	Production Engineering
FED-07					
85.	Mr. Y.P.C.S. Anil Kumar	Dr. V. Ramana Murthy	2009	Rayalaseema University	Fluid Mechanics
86.	Mr. D. Vijay Kumar	Dr. V. Ramana Murthy	2009	Rayalaseema University	Fluid Mechanics
87.	Mr. N.T. Sarma	Dr. Ch. Srinivasu	23-03-2009	Rayalaseema University	Ultrasonics
88.	Mr. M.Rami Reddy	Prof.K.Rosaiah, Dr.B.Srinivasa Rao	24-08-2020	Acharya Nagarjuna University	Statistical Quality Control
89.	Ms. D. Chaitanya	Dr. Reema Chakraborty	10-03-2022	Vignan University	Dalit Feminism
90.	Ms. M. Anuradha	Dr.G.Chenna Reddy	09-01-2020	Acharya Nagarjuna University	American Literature
91.	Ms. K. Sridevi	Prof.M.Neeraja	03-06-2022	Sri Pamavathi Mahila	Indian writing

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
				Visvavidyalaya	
EEE-13					
92.	P.Deepak Reddy	Dr.B.Basavaraju	13-03-2013	GITAM	P.Deepak Reddy
93.	Ramavath Anajeneyulu Naik	Dr.V.Rama Koti Reddy	13-12-2010	Andhra University	MEMS Smart Sensor
94.	J.V.Pavan Chand	Dr.K.Narasimha Rao	27-04-2022	Andhra University	Wind Interconnected to Grid
95.	Parri Srihari	Dr.Kiran Teeparthi	20-08-2020	NIT AP	Wind Power
96.	K. S. L. Lavanya	Dr.Ch.V.Narasimha Raja	16-07-2020	Andhra University	Power Systems
97.	Nagalingachary Kodavatiganti	Dr.Durga Prasad Garapati	04-09-2020	Jawaharlal Nehru Technological University Kakinada	Renewable Energy Systems
98.	Rajesh chintalapudi	Dr J. Sivavara prasad	04-09-2020	Jawaharlal Nehru technological University kakinada	Electrical Vehicles
99.	Rathnakarkumar Pandala	Dr. Sarat kumar sahu	04-09-2020	JNTUK	Power Systems
100.	Rowthu Padma	Dr. P. Sobharani	04-09-2020	Jawaharlal Nehru Technological University, Kakinada	Power Electronics & Drives
101.	G.Tabitha	Dr. P.Umapathi Reddy	04-09-2020	JNTUA	DG system
102.	MB. Chakravarthi	Dr.B.Santhanakrishnan	25-12-2018	Annamalai University	Power System
103.	Mr.A.V.Ravi Kumar	Dr.J.Siva Vara Prasad	28-04-2022	JNTU kakinada	Power Electronics & Drives
104.	Mr. Imran Abdul	Dr.C.V.K.BHANU	27-04-2022	Andhra University	Power Systems
MBA-04					
105.	Mrs.R.Jeyalakshmi	Prof.Venkat Rao	27-05-2013	VSU	Finance
106.	Mr.U.Rambabu	Dr.S.Srinivasarao	22-09-2016	ANU	Finance
107.	Mr. K. Ravi Kiran Yasaswi	Dr. M.C Bala Gurubaran	04-02-2020	ANNAMALAI UNIVERSITY	Finance-SMEs

S.No.	Name of the Faculty	Supervisor/ Co-Supervisor	Date of Registration	University	Area of Research
108.	Mr.B.Kalyan Kumar	Dr. M.Sravani	09-09-2021	KRU	Finance

ix. Details of Faculty Secured Ph.D.: 07

S.No.	Faculty with Designation	Date of Registration	Date of Awarding Ph.D.	Name of the University
ECE-01				
1.	Dr.K.Rani Rudrama	20/04/2015	16/09/2023	JNTUK, Anantapur
EEE-01				
2.	Dr.B. Pangedaiah Assoc. Professor	01/09/2014	07/09/2022	JNTUK, Kakinada
IT-01				
3.	K. Phaneendra Sr. Assistant Professor	25/03/2010	07/07/2023	Rayalaseema University
ME-01				
4.	A.Nageswara Rao Assistant Professor	20/12/2018	04/04/2024	NIT Tirucharapalli
FED-03				
5.	Y.P.C.S. Anil Kumar, Sr. Asst. Professor	23/03/2009	10/07/2023	Rayalaseema University
6.	D. Vijay Kumar Sr. Asst. Professor	23/03/2009	10/07/2023	Rayalaseema University
7.	N.T. Sarma, Asst. Professor	23/03/2009	09/02/2024	Rayalaseema University

x. Details of Ph.D. Guided Successfully: 02

S.No.	Details of Faculty	Acted as	Scholar Name	Awarding University	Date of Awarding
1.	Dr.P.Vijay Kumar, Dept. of Mech.	Supervisor	P.Venkata Ramana	JNT U Kakinada	06.11.2023
2.	Dr.K.Dilip Kumar Dept. of Mech.	Supervisor	Tejomurthi Pinjala	JNT U Kakinada	05.01.2024

xi. Details of Supervisors & Scholars during the A.Y.: 2023-24

- i. No. of Faculty with Ph.D. : 86
- ii. Recognized Research Supervisors : 31 (JNTUK Recognized: 20)
- iii. No. of Scholars Pursuing Ph.D. : 54 (JNTUK: 26)
- iv. No. of Scholars Awarded Ph.D. : 02 (ME from JNTUK)

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
1	Dr. P. Lovaraju	PhD and 2008	Yes	2009	Yes	K.B.V. Satya Prakash	17-11-2013	Experimental Studies on Twin Jets	ASE
		PhD and 2008	Yes	2009	Yes	V. Mani Kumar	14-10-2014	Experimental Studies on Flow over Skewed steps	ASE
		PhD and 2008	Yes	2009	Yes	Kedaranath Mahapatro	09-09-2014	Effect of Annular Ring on Co-flow Characteristics	ASE
		PhD and 2008	Yes	2009	Yes	I Dakshina Murthy	06-03-2016	Experimental & Computational studies on SERN	ASE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
2	Dr.L. Prabhu	PhD and 2018	No	N.A.	Yes	N.A.	N.A.	N.A.	ASE
3	Dr. V. Ramakrishna	PhD and 2005	Yes	2019	Yes	M. Satyanarayana	25-09-2019	Experimental study on partial replacement of cement, coarse aggregate and fine aggregate with silica fume, demolition waste and quarry dust.	Civil
4	Dr. J. Venkateswara Rao	PhD and 2017	No	N.A.	Yes	N.A.	N.A.	N.A.	Civil
5	Dr. K. Venkata Ramana	PhD and 2021	Yes	2021	Yes	K. Harish Kumar	28-08-2021	Structural Health Monitoring	Civil
6	Dr. M. Srinivas Rao	PhD and 2018	Yes	2019	Yes	Chennakesava Rao	11-09-2020	Intrusion Detection system using Deep Learning Approches	CSE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
7	Dr. D. Veeraiah	PhD and 2017	Yes	2019	Yes	L.V. Krishna Rao	21-01-2019	Key Management in Wireless Sensor Networks	CSE
		PhD and 2017	Yes	2019	Yes	Sk. Johny Basha	10-09-2020	Self Regulated Bot Detection System Based on soft computing Techniques	CSE
8	Dr. Ch. Venkata Narayana	PhD and 2014	Yes	2016	Yes	V Kishore Babu	09-02-2016	Big Data Applications	CSE
		PhD and 2014	Yes	2016	Yes	Mr.A. Sri Rama Chandra Murthy	06-07-2015	Outlier Detection using Machine Learning Techniques	CSE
		PhD and 2014	Yes	2016	Yes	Mr. S. Srinivasa Reddy	24-04-2022	Agriculture Supporting Sytem using Machine Learning	CSE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
		PhD and 2014	Yes	2016	Yes	Mr.K.Raviteja	28-01-2023	-	CSE
9	Dr. O. Rama Devi	PhD and 2017	Yes	2019	Yes	T.N.V.S. Praveen	24-04-2022	Design of Security Schemes for Detection and Prevention of Attacks on IOT.	CSE
10	Dr. D.Venkata Subbaiah	PhD and 2021	Yes	2022	Yes	Nil	Nil	Nil	CSE
11	Dr.Y.Vijaya Bhaskar Reddy	PhD and 2019	Yes	2022	Yes	Nil	Nil	Nil	CSE
12	Dr. P.Ashok Reddy	PhD and 2019	Yes	2022	No (On Deputaion since 26-01-2022)	Nil	Nil	Nil	CSE
13	Dr. K.Naga Prasanthi	PhD and 2020	Yes	2022	Yes	Nil	Nil	Nil	CSE
14	Dr. P.Bhagath	PhD and 2020	Yes	2022	Yes	Nil	Nil	Nil	CSE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
15	Dr. M.Sitha Ram	PhD and 2020	Yes	2022	Yes	Nil	Nil	Nil	CSE
16	Dr. S.Jayaprada	PhD and 2018	Yes	2022	Yes	Nil	Nil	Nil	CSE
17	Dr. K.Devi Priya	PhD and 2021	No	NA	Yes	Nil	Nil	Nil	CSE
18	Dr. J.Nageswara Rao	PhD and 2022	No	NA	Yes	N.A.	N.A.	N.A.	CSE
19	Dr.Y.Amar Babu	PhD and 2018	Yes	2018	Yes	N. Dharmachari	30-04-2022	FPGA based Accelerators of Deep Learning Networks	CSE
		PhD and 2018	Yes	2018	Yes	Surekha Musali	08-09-2020	Efficient Approaches for Designing Digital Circuits for Low Power Consumption	ECE
		PhD and 2018	Yes	2018	Yes	M. Ramya Harika	12-11-2018	Wireless Communications	ECE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
20	Dr.G.Srinivasulu	PhD and 2017	Yes	2022	Yes	K. Pavani	30-04-2022	VLSI	ECE
21	Dr. E.V. Krishna Rao	PhD and 2007	Yes	2008	Yes	Ch.Murthy Tommandru	07-09-2020	Wireless Communications	ECE
		PhD and 2007	Yes	2008	Yes	G. Venkata Rao	21-02-2019	FPGA Implementation of Network on Chip (NOC) using Machine Learning	ECE
22	Dr.G.L.N.Murthy	PhD and 2018	Yes	2019	Yes	S. Ramakoteswara Rao	26-09-2019	Brain MR Image Segmentation	ECE
		PhD and 2018	Yes	2019	Yes	P. Venkateswara Rao	27-01-2023	Deep Learning based Image Classification	ECE
23	Dr. T. Satyanarayana	PhD and 2010	Yes	2018	Yes	M.B. Chakravarthy	05-12-2018	Design, Modelling and Fabrication of MEMS based	ECE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
								Piezoelectric Energy Harvesters	
24	Dr.B.Poornaiah	PhD and 2016	Yes	2018	Yes	B.Sandeep	15-11-2018	MEMS	ECE
		PhD and 2016	Yes	2018	Yes	P.Bhavya	15-11-2018	MEMS	ECE
25	Dr.A.Narendra Babu	PhD and 2008	Yes	2017	Yes	G. Venkata Ramanaiah	10-01-2017	RADAR Signal Processing	ECE
26	Dr.K. Ravi Kumar	PhD and 2021	Yes	2022	Yes	Ganjanaboyina Venkat Rao	23-02-2023	Low Power VLSI	ECE
27	Dr.B.Ramesh Reddy	PhD and 2023	Yes	2023	Yes	Nil	Nil	Nil	ECE
28	Dr.P.Lachi Reddy	PhD and 2017	Yes	2022	Yes	Nil	Nil	Nil	ECE
29	Dr.M.Venkata Sudhakar	PhD and 2016	Yes	2020	Yes	Nil	Nil	Nil	ECE
30	Dr.B.Siva Hari Prasad	PhD and 2021	No	N.A.	Yes	N.A.	N.A.	N.A.	ECE
31	Dr.P. Rakesh Kumar	PhD and 2020	Yes	2022	Yes	Nil	Nil	Nil	ECE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
32	Dr.B.Y.V.N.R. Swamy	PhD and 2020	Yes	2022	Yes	Nil	Nil	Nil	ECE
33	Dr. P. Venkat Rao	PhD and 2022	No	N.A.	Yes	N.A.	N.A.	N.A.	ECE
34	Dr. V. Ravi Sekhara Reddy	PhD and 2022	No	N.A.	Yes	N.A.	N.A.	N.A.	ECE
35	Dr J. Siva Vara Prasad	PhD and 2018	Yes	2022	Yes	A.V. Ravi Kumar	28-04-2022	Hybrid AC/DC Microgrid	EEE
		PhD and 2018	Yes	2019	Yes	Ch. Rajesh	09-04-2020	Electric Vehicles	EEE
		PhD and 2018	Yes	2019	Yes	K. Girinadh Babu	04-09-2020	Power Systems	EEE
36	Dr.K.Harinadha Reddy	PhD and 2012	Yes	2015	Yes	Mr.S. Govinda Raju	31-07-2015	Robust design and control of power systems for enhancing stability	EEE
		PhD and 2012	Yes	2020	Yes	Shaik Kousar Sana	04-09-2020	Power and Energy Systems	EEE
37	Dr. M. Umavani	PhD and 2012	Yes	2015	Yes	S.V.R. Lakshmi Kumari	31-07-2015	A three leg and two leg based FACTS	EEE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
								device for power quality improvement of distribution system	
		PhD and 2012	Yes	2015	Yes	Mr.P. Balanagu	31-07-2014	Integration of multiple micro-grids with man grid	EEE
		PhD and 2012	Yes	2015	Yes	N. Vanajakshi	31-07-2015	Power Quality	EEE
38	Dr. G. Nageswra Rao	PhD and 2017	Yes	2020	Yes	A. Anada Kumar	04-09-2020	Power Grid	EEE
39	Dr. P. Sobha Rani	PhD and 2016	Yes	2020	Yes	R. Padma	04-09-2020	Power Electronics & Drives	EEE
40	Dr.K.R.L. Prasad	PhD and 2017	Yes	2022	Yes	K V V Bapiraju	28-04-2022	Grid Integration of Renewable Energy Sources	EEE
41	Dr.M.S. Giridhar	PhD and 2017	Yes	2019	Yes	Nil	N.A.	N.A.	EEE

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
42	Dr.A.V.G.A. Marthanda	PhD and 2019	Yes	2019	Yes	Nil	N.A.	N.A.	EEE
43	Dr.B. Rambabu	PhD and 2016	Yes	2016	Yes	Mrs.V.Vineela	15-11-2008	Microelectronics	EIE
44	Dr.A. Rami Reddy	PhD and 2007	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
45	Dr.V. Parvathi	PhD and 2015	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
46	Dr. Sujit Kumar Rath	PhD and 2016	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
47	Dr. Syed Yusub	PhD and 2014	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
48	Dr. Matcha Srinivas Reddy	PhD and 2016	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
49	Dr.K.R. Kavitha	PhD and 2013	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
50	Dr. Shaheda Niloufer	PhD and 2016	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
51	Dr.K. Jhansi Rani	PhD and 2020	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
52	Dr.Lakshmi V R Babu Syamala	PhD and 2018	No	N.A.	Yes	N.A.	N.A.	N.A.	FED

S.No	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of obtaining	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? /If not, when did he/she leave the institution?	Name of the scholar	Date of Registration of the scholar	PhD Scholar's Title of the Thesis	Dept.
53	Dr.V. Bhagya Lakshmi	PhD and 2021	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
54	Dr. K. Bhanu Lakshmi	PhD and 2021	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
55	Dr.N.V. Raj Kumar	PhD and 2017	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
56	Dr. Sambasiva Rao Tadepu	PhD and 2015	No	N.A.	Yes	N.A.	N.A.	N.A.	FED
57	Dr. B. Srinivasa Rao	PhD and 2016	No	N.A.	Yes	N.A.	N.A.	N.A.	IT
58	Dr.S.Naganjaneyulu	PhD and 2014	Yes	2015	Yes	K. Sudhakar	09-02-2016	Big Data Computing	IT
		PhD and 2014	Yes	2015	Yes	K. Rama Rao	09-02-2016	Big Data Computing	IT
59	Dr. A.V.N Reddy	PhD and 2021	No	N.A.	Yes	N.A.	N.A.	N.A.	IT
60	Dr. K. Venu Gopal	PhD and 2022	No	N.A.	Yes	N.A.	N.A.	N.A.	IT
61	Dr. A. Adishesha Reddy	PhD and 2013	No	NA	Yes	N.A.	N.A.	N.A.	MBA
62	Dr.T. Rajasekhar	PhD and 2007	No	NA	Yes	N.A.	N.A.	N.A.	MBA
63	Dr. V. V. Narsi Reddy	PhD and 2011	No	NA	Yes	N.A.	N.A.	N.A.	MBA

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64	Dr. D. Venkateswarlu	PhD and 2018	No	NA	Yes	N.A.	N.A.	N.A.	MBA
65	Dr. K. Deepika	PhD and 2019	No	NA	Yes	N.A.	N.A.	N.A.	MBA
66	Dr. K. Appa Rao	PhD and 2013	Yes	2016	Yes	Anil Kumar Chintala Pudi	11-02-2016	Thermal Engineering	Mech
67	Dr. P. V. Chandra Sekhar Rao	PhD and 2013	Yes	2016	Yes	Sumalatha Chatragada	11-02-2016	Design Engineering	Mech
		PhD and 2013	Yes	2016	Yes	K Narayana	01-03-2019	Design Engineering	Mech
68	Dr. S. Pichi Reddy	PhD and 2012	Yes	2016	Yes	K. Venkateswara Reddy	28-04-2022	Composite Materials	Mech
69	Dr. P. Vijay Kumar	PhD and 2012	Yes	2016	Yes	P. Venkata Ramana (Awarded on 06-11-2023 from JNTUK Kakinada)	11-02-2016	Thermal Engineering	Mech

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70	Dr. P. Ravindra Kumar	PhD and 2017	Yes	2020	Yes	Nil	Nil	Nil	Mech
71	Dr. K. Dilip Kumar	PhD and 2014	Yes	2016	Yes	Tejomurthi Pinjala (Awarded on 05-01-2024 from JNTUK Kakinada)	11-02-2016	Thermal Engineering	Mech
		PhD and 2014	Yes	2016	Yes	V. Kiran Kumar	29-08-2020	Thermal Engineering	Mech
72	Dr. K. Murahari	PhD and 2016	Yes	2016	Yes	Ram Swaroop Sing	29-06-2016	Production Engineering	Mech
		PhD and 2016	Yes	2016	Yes	S. Chandra Sekar Reddy	07-01-2017	Production Engineering	Mech
73	Dr. V. Dhana Raju	PhD and 2018	Yes	2016	Yes	K. Srinivasa Reddy	18-07-2016	Experimental studies on the effect of fuel additives over diverse attributes of diesel	Mech

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								engine operated with waste plastic biodiesel	
74	Dr. M.B.S. Sreekara Reddy	PhD and 2018	Yes	2019	Yes	Bankar Priyanka Suresh	29-06-2018	Production Engineering	Mech
		PhD and 2018	Yes	2019	Yes	Asalekar Amol Jagannath	29-06-2019	Production Engineering	Mech
		PhD and 2018	Yes	2019	Yes	Sivarishna Visinigiri	29-06-2020	Production Engineering	Mech
75	Dr. Ch. Siva Sankar Babu	PhD and 2021	No	N.A.	Yes	N.A.	N.A.	N.A.	Mech
76	Dr. B. Sudheer Kumar	PhD and 2023	No	N.A.	Yes	N.A.	N.A.	N.A.	Mech

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