# V R Siddhartha Engineering College: Vijayawada (Autonomous)
# Department of Electrical and Electronics Engineering
### Faculty Publications for the Academic Year: 2023-24

## International Journals (30)

### SCI/SCIE: 17,      SCOPUS: 10,      ESCI: 03
### Q1: 08    Q2: 10    Q3: 10    Q4: 01

### UG: 02 (ESCI)

1. **Bindu Vadlamudi** and T Anuradha, "Optimized Hybrid CNN-LSTM Based Islanding Detection of Solar-Wind Power System", Electric Power Components and Systems, June 2023. DOI: 10.1080/15325008.2023.2220333. **(SCIE)** (I.F. 1.5) (Q3)

2. **Bindu Vadlamudi** and T Anuradha, "Review of islanding detection using advanced signal processing techniques", Electrical Engineering, August 2023. DOI: 10.1007/s00202-023-01967-4. **(SCIE)** (I.F. 1.4) (Q2)

3. **K Dhananjay Rao**, MudunuruSatyaDev Kumar, PaidiPavani, Darapureddy Akshitha, KagithaNagamaleswara Rao, Hafiz TayyabRauf and Mohamed Sharaf, "Cardiovascular disease prediction using hyperparameters-tuned LSTM considering COVID-19 with experimental validation", AIMS Bioengineering, vol. 10, no. 3, pp. 265-282, September 2023. DOI: 10.3934/bioeng.2023017. **(ESCI)**(I.F. 2.3) (UG)

4. **Subhojit Dawn, Gummadi Srinivasa Rao, M. L. N. Vital, K. Dhananjay Rao**, Faisal Alsaif and Mohammed H. Alsharif, "Profit Extension of a Wind-Integrated Competitive Power System by Vehicle-to-Grid Integration and UPFC Placement", Energies, vol. 16, no. 18, September 2023. DOI: 10.3390/en16186730. **(SCIE)**. (I.F. 3.2) (Q1)

5. **Subhojit Dawn**, Shreya Shree Das, M. Ramesh, S R Inkollu, T K S Pandraju, Faisal Alsaif, Sager Alsulamy and Taha Selim Ustun, "Profit Expansion of a Solar Integrated Day-Ahead System by Placement of TCSC and Fuel Cell in the Presence of Disequilibrium Price", IEEE Access, vol. 11, pp. 111812 – 111831, September 2023. DOI: 10.1109/ACCESS.2023.3315747. **(SCIE)** (I.F. 3.9) (Q1)

6. T. Papi Naidu, G. Balasubramanian and **B Venkateswararao**, "Optimal power flow with distributed energy sources using whale optimization algorithm", International Journal of Electrical and Computer Engineering (IJECE), vol. 13, no. 5, pp. 4835-4844, October 2023. DOI: 10.11591/ijece.v13i5. **(SCOPUS)** (I.F. 0.704) (Q3)

7. **Chaitanya S.N.V.S.K**., Bakkiyaraj R.A. and **Rao B.V**., "Scenario-Based Approach to Solve Optimal Reactive Power Dispatch Problem with Integration of Solar Energy Using Modified Ant Lion

Optimizer", SN Computer Science, vol. 5, no. 1, December 2023. DOI: 10.1007/s42979-023-02315-w. **(SCOPUS)** (I.F. 1.278) (Q2)

8. **Indira Damarla**, VenmathiMahendran, RamuduGanji and Sangari A, "A Quick Demagnetization Approach for low torque ripple in Three Phase SR Motor Drive System for EV Applications", International Journal of Circuit Theory and Applications, December 2023. DOI: 10.1002/cta.3898. **(SCIE)** (I.F. 2.45) (Q2)

9. **Indira Damarla**, Venmathi Mahendran, Krishna kumar V and Anbarasan P, "Performance Analysis of FEC Based SR Motor Drive Using Fuzzy Tuned PI Controller', Circuit World, December 2023. DOI: 10.1108/CW-08-2022-0240. **(SCIE)** (I.F. 2.1) (Q3)

10. Koganti Srilakshmi, **Gummadi Srinivasa Rao**, Katragadda Swarnasri, Sai Ram Inkollu, Krishnaveni Kondreddi, Praveen Kumar Balachandran and Ilhami Colak, "Optimization of ANFIS controller for solar/battery sources fed UPQC using an hybrid algorithm", Electrical Engineering, January 2024. DOI: 10.1007/s00202-023-02185-8. **(SCIE)** (I.F. 1.8) (Q2)

11. Srilakshmi, K., **Rao, G.S.,**Praveen Kumar Balachandran and TomonobuSenjyu, "Green Energy Sourced AI Controlled Multilevel UPQC Parameter Selection Using Foot Ball Game Optimization" Frontiers in Energy Research, vol. 12, February 2024, DOI: 10.3389/fenrg.2024.1325865. **(SCIE)** (I.F. 3.858) (Q2)

12. SeshuMoturu, **Srinivasa Rao Gummadi**, MadhuValavala, VeeraVasantha Rao Battula, and SravanthiKantamaneni, "A Novel Transformer Approach for the Recompensed Measurement Generation and Accurate Topology Identification," Engineering Letters, vol. 32, no. 3, pp. 601-613, March 2024. **(SCOPUS)** (I.F. 2) (Q3)

13. Koganti Srilakshmi, **Gummadi Srinivasa Rao**, KatragaddaSwarnasri, Sai Ram Inkollu, KrishnaveniKondreddi, Praveen Kumar Balachandran, C. Dhanamjayulu and Baseem Khan, "Multiobjective Neuro-Fuzzy Controller Design and Selection of Filter Parameters of UPQC Using Predator Prey Firefly and Enhanced Harmony Search Optimization", International Transactions on Electrical Energy Systems, vol. 2024, no. 6611240, March 2024. DOI: 10.1155/2024/6611240. **(SCIE)** (I.F. 5.3) (Q2)

14. **Ranga, MadhuSudana Rao, Veera Reddy Aduru, N. Vamsi Krishna, K. Dhananjay Rao, Subhojit Dawn**, Faisal Alsaif, Sager Alsulamy, and Taha Selim Ustun, "An Unscented Kalman Filter-Based Robust State of Health Prediction Technique for Lithium Ion Batteries", Batteries, vol. 9, no. 7, pp. 376, July 2023. DOI: 10.3390/batteries9070376. **(SCIE)** (I.F. 4) (Q2)

15. SrinivasaraoThumati, **Madhusudana Rao Ranga, Veera Reddy Aduru**, VeeraVasantha Rao Battula and SravanthiKantamaneni, "Hybrid Dandelion Optimizer-based Multi-Objective Photovoltaic Power Penetration Maximization in Reconfigurable Distribution Networks", International Journal of Intelligent Engineering, vol. 16, no. 4, pp. 105–1142023, July 2023. **(SCOPUS)** (I.F. 3.1) (Q3)

16. K. V. S. R. Prasad, **K. Dhananjay Rao** and F. Alsaif, "Induction Motor Structure Design to Reduce Vibrations with Numerical (FEA) and Experimental (VA) Techniques," IEEE Access, April 2024. DOI: 10.1109/ACCESS.2024.3374785. **(SCIE)** (I.F. 3.9) (Q1)

17. **K. Dhananjay Rao**, N VijayaAnand, Thandava Krishna Sai, F. Alsaif and Ustun T.S., "Optimally Tuned Gated Recurrent Unit Neural Network-based State of Health Estimation Scheme for Lithium Ion Batteries", IEEE Access, May 2024. **(SCIE)** (I.F. 3.9) (Q1)

18. **K. Dhananjay Rao**, AnilkumarChappa, **SVNSK Chaitanya**, A. Hemachander, B. PhaniTeja, **Subhojit Dawn**, Miska Prasad and Taha Selim Ustun, "Fractional order modeling based optimal multistage constant current charging strategy for lithium iron phosphate batteries", Energy Storage, vol. 6, no. 2, pp. e593, March 2024, DOI: 10.1002/est2.593. **(SCOPUS)** (I.F. 3.2) (Q3)

19. **Lalitha Kondisetti** and Swarnasri Katragadda, "A multi-objective artificial hummingbird algorithm for dynamic optimalvolt-var controls for high electric vehicle load penetration in a photovoltaic distribution network", e-Prime - Advances in Electrical Engineering, Electronics and Energy, vol. 7, March 2024. DOI 10.1016/j.prime.2024.100474. **(SCOPUS)** (I.F. 1.5) (Q1)

20. Bhavana, V Rajeswari, **K Lalitha**, J Vijay anand, and SrinivasaraoThumati, "An Application of Hybrid Sine Cosine Optimization for Developing Sustainable Agriculture Distribution Feeders with Optimal Photovoltaic Systems", International Journal of Intelligent Engineering and Systems, April 2024, DOI: 10.22266/ijies2024.0229.35. **(SCOPUS)** (IF.1.9) (Q2)

21. **Lalitha Kondisetti** and KatragaddaSwarnasri, "Hybridization of Improved Northern Goshawk Optimization and Line Loadability Index for Reconfiguration Considering Solar and Electric Vehicles", International Journal of Intelligent Engineering and Systems, Vol. 17, no. 2, April 2024. DOI: 10.22266/ijies2024.0430.35. **(SCOPUS)** (IF.1.9) (Q3)

22. **Swarupa Rani Bondalapati**, BadduNaikBhukya, G.V. PrasannaAnjaneyulu, ManamRavindra, B. Sarath Chandra, "Bidirectional Power Flow between Solar-Integrated Grid to Vehicle, Vehicle to Grid, and Vehicle to Home," Journal of Applied Science and Engineering, vol. 27, no. 5, pp. 2571-2581, October 2023.**(SCOPUS**) (IF.1.3) (Q2)

23. Koganti Srilakshmi, D. Teja Santosh, **Alapati Ramadevi,** Praveen Kumar Balachandran, Ganesh Prasad Reddy, Aravindhababu Palanivelu, IlhamiColak, C. Dhanamjayulu, Ravi Kumar Chinthaginjala and Baseem Khan, "Development of renewable energy fed three-level hybrid active filter for EV charging station load using Jaya grey wolf optimization", Scientific Reports, vol. 14, pp. 4429, 2024. **(SCIE)** (IF. 4.6) (Q1)

24. Vutukuri Sarvani Duti Rekha, **Swarupa Rani Bondalapati**, RatnaKumariVemuri,RamaraoGude, Praveen Tumuluru and Surya Prasada Rao Borra, "New Services And Applications can Leverage the Power of Low Reliable and Latency Communication for Mission Critical Distributed Industrial

Internet of Things", Journal of Theoretical and Applied Information Technology, vol. 101,no. 12, June 2023. **(SCOPUS)** (IF. 1.1) (Q4)

25. Koganti Srilakshmi, **Alapati Ramadevi**, J. Ganesh Prasad Reddy, K. Krishna Jyothi, Krishnaveni Kondreddi, Praveen Kumar Balachandran and Ilhami Colak, "A New Control Scheme for Wind/Battery Fed UPQC for the Power Quality Enhancement: A Hybrid Technique ", IETE Journal of Research, pp. 1–9, 2024. **(SCIE)** (IF. 1.3) (Q3)

26. Saravanan, Perumal, Kumar Cherukupalli, **Ramesh Jayaraman** and Nattanmai Balasubramanian Prakash, "An Analysis of the Experimental Configuration of a Standalone PV System", Tehnički vjesnik, vol. 31, no. 4, pp. 1048-1054, 2024. **(SCIE)** (IF. 1.9) (Q3)

27. Vijayammal, B. K. P, Cherukupalli, K, **Jayaraman R**., and Kannan E, "A Multi-Objective Approach with Modified Particle Swarm Optimization and Hybrid Energy Systems", Tehnicki vjesnik - Technical Gazette, vol. 31, no. 5, 2024. **(SCIE)** (IF. 1.9) (Q3)

28. **R. C. Vankina**, S. Gope, **S. Dawn**, F. Alsaif and T. S. Ustun, "An Approach for Attaining Economic Profit by Optimal Operation of Hybrid Thermal-Wind-PHS-EV System in a Deregulated System," IEEE Access, vol. 12, pp. 95684-95702, 2024. **(SCIE)** (I.F. 3.9) (Q1)

29. **Chowdary Vankina Ravindranadh,** Sadhan Gope, **Subhojit Dawn**, Ahmed Al Mansur, and Taha Selim Ustun, "An Effective Strategy for Achieving Economic Reliability by Optimal Coordination of Hybrid Thermal–Wind–EV System in a Deregulated System," World Electric Vehicle Journal, vol. 15, no. 7, pp. 289, 2024. **(ESCI)** (I.F. 2.6) (Q2)

30. Mallemoggala Pavani Siva, **Gummadi Srinivasarao**, Jananika Katta, Vanapalli Swetha and Bala Sheshasri Guttula, "Enhancing Fuel Efficiency and Emission Control in Diesel Locomotives through Auxiliary Power Units (APUs) in Neutral Conditions", Journal of Climate Change, vol. 10, no. 2, pp. 69-74, 2024. **(ESCI)** (I.F. 0.7) (Q1) (UG)

## International Conferences (34)

**SCOPUS: 30 IEEE Conference: 18**
**UG: 22 (SCOPUS), 01 (WoS), 02 (Others)**
**PG: 01 (SCOPUS)**

31. **A. V. Reddy, B. Venkateswararao**, Ł. Knypiński and R. Devarapalli, "Sizing of the Switched Reluctance Motor for Electric Vehicles", 2023 Progress in Applied Electrical Engineering (PAEE), Koscielisko, Poland, 26-30 June 2023. DOI: 10.1109/PAEE59932.2023.10244727. **(IEEE) (SCOPUS)**

32. **K. D. Rao**, K. K. Reddy, P. Koushik, B. Avinash and D. L. Madhavi, "Performance Analysis of Lithium-Ion Battery Considering Round Trip Efficiency", 2023 IEEE 2nd International Conference

on Industrial Electronics: Developments & Applications (ICIDeA), India. 29-30 September 2023. DOI: 10.1109/ICIDeA59866.2023.10295170. **(IEEE) (SCOPUS) (UG)**

33. RajasekharChandana, **B Venkateswara Rao**, RajiniGudipudi , Akshith Roy Kopuri, Sri JayanthJavvaji, "Adaptive Traffic Sensing Drone", 2nd IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023), Sri Venkateshwara College of Engineering, Bengaluru, India, 3-4 November 2023. **(SCOPUS) (UG)**

34. **K. D. Rao**, M. Taddi, T. Sriramula, D. Kumar Baliga, A. Simhadri and P. S. Panigrahy, "Detection of Cyber Attacks on Wireless BMS of Electric Vehicles using Long Short-Term Memory Networks", 2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India, 2-4 November 2023. DOI: 10.1109/CSITSS60515.2023.10334240. **(IEEE) (SCOPUS) (UG)**

35. **Indira Damarla**, Aare Anand, T. ThanmaiReethika and H. SaiNiharika, "Integration of Renewable Energy Resources to EV Using Sensorless Control and Regenerative Braking", 2nd International Conference on Emerging Trends in Engineering, ICETE, Atlantis Press, Advances in Engineering Research, Springer, pp. 614-624, November 2023. DOI: 10.2991/978-94-6463-252-1_63. **(SCOPUS) (UG)**

36. JahnaviChinthaguntla, **GummadiSrinivasarao**, GunteiahUpputuri, JayanthTulluri and NiharikaDharavath, "A Smart Anti-Collision System for Car Doors", 4th International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT-2023), VIT (Deemed to be University), Vellore, India and Universiti of Malaya, 8-10 December 2023. **(IEEE) (SCOPUS) (UG)**

37. O Jahnavi, **Venkateswara Rao B**, DhathriSree M, P Praveen Kumar and SaiNarendra M, "A Novel approach to design a Multi featured Smart TV using Raspberry PI", Springer Nature International Conference SIGMAA-2023, India, 15-16 December 2023. **(SCOPUS) (UG)**

38. MallemoggalaPavani Siva, **Gummadi Srinivasarao,** JananikaKatta, VanapalliSwetha and BalaSheshasriGuttula " Optimizing Power Quality and Harmonics Mitigation through Integration of Photovoltaic, Wind, and Battery Systems Using a Three-Level Inverter in DC Micro grid Energy Management", 5TH International Conference On Innovations In Communication Computing And Sciences (ICCS-2024), organized by CHANDIGARH ENGINEERING COLLEGE – CGC Electronics and Communication Engineering Department, 21-22 March 2024. **(WoS) (UG)**

39. **GummadiSrinivasarao, A Rama Devi,** and P Sai Rama krishna "Multifunctional Convertible Bed Cum Wheelchair Design, Fabrication and Health monitoring using IoT", 5TH International Conference On Innovations In Communication Computing And Sciences (ICCS-2024), CHANDIGARH ENGINEERING COLLEGE – CGC Electronics and Communication Engineering Department, 21-22 March 2024.

40. VeerankiPavan Kumar, **B. Venkateswara Rao** and GummadiJagadeeshHarsha, "Design and Implementation of EV charging station with the aid of Solid-State Transformer and Renewable energy", 2nd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024) technology, IEEE MP Section and ABV-IIITM Gwalior, India on 14-16 March 2024. **(SCOPUS)**

41. RajasekharChandana, **B Venkateswara Rao**, RajiniGudipudi, Akshith Roy Kopuri, and Sri JayanthJavvaji, "Enhancing E-Bike Trips Through Precise Duration And Battery Consumption Prediction Using Machine Learning", 5th International Conference on Innovations in Communication Computing and Sciences (ICCS-2024), (21 -22 March, 2024), Department of Electronics and Communication Engineering, Chandigarh Engineering College-CGC, Landran, Mohali, Punjab, India. **(UG)**

42. Harini G. and **P. Venkatesh**, "Optimal reactive power dispatch using hybrid whale and sine cosine optimization algorithm", AIP Conference Proceedings, 14TH International Conference On Materials Processing And Characterization 2023, 24–26 March 2023, Hyderabad, India. **(SCOPUS) (PG)**

43. M. C, M. Sumithra, **M. Rao Ranga**, K. R. Kumar, D. Suganthi and S. Karthiyayini, "Employing a Deep Learning Technique to Categorize Internet of Things (IoT) Traffic in a Smart City Context," 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Trichy, India, 2023, pp. 1452-1457, DOI: 10.1109/ICAISS58487.2023.10250670. **(SCOPUS)**

44. **V. K. Jonnalagadda, V. Reddy Aduru**, D. Reddy and S. Y. Vamsi Kumar, "Artificial Neural Network Based Improving Inertia Control With Grid-Connected Renewable Energy Sources," 2023 Second International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON), Bangalore, India, 2023, pp. 155-160, doi: 10.1109/TEECCON59234.2023.10335830. **(SCOPUS)**

45. V. S. Pavan M**, Ravindranadh V**, I. Shareef, V. S. Sathish D and P. S. Sankar J, "Optimizing Battery Performance -Active and Passive Cell Balancing," 2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), Krishnankoil, Virudhunagar, Tamil Nadu, India, 2024. **(SCOPUS) (UG)**

46. M. Tarun, **V. K. Jonnalagadda**, A. J. Sai, K. Nivas and P. V. Mohan, "Stress Detection by Deep Learning Technique," 2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), Krishnankoil, Virudhunagar district, Tamil Nadu, India, 2024, pp. 1-6, doi: 10.1109/INCOS59338.2024.10527550. **(IEEE) (SCOPUS) (UG)**

47. N. N. Prabhas, **V. K. Jonnalagadda**, A. S. Babu, V. M. Kanth and N. Sadhvik, "Augmented Fuzzy-ILC for Trajectory Tracking Control of Magnetic Levitation System," 2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS),

Krishnankoil, Virudhunagar district, Tamil Nadu, India, 2024, pp. 1-6, doi: 10.1109/INCOS59338.2024.10527611. **(IEEE) (SCOPUS) (UG)**

48. HariTejaCharakanam, **Indira Damarla**, Rajesh Panda, Madhu Kumar Kosuri, Abhishek Arya Ramisetti and Hima Chowdary Potluri, "Optimal Power Allocation of BESS in Microgrid using Machine Learning Techniques", IEEE International Conference on Emerging Trends in Information Technology and Engineering (ICETITE), Feb. 2024, doi: 10.1109/ic-ETITE58242.2024.10493409. **(IEEE) (SCOPUS) (UG)**

49. A. Packialatha, **BinduVadlamudi**, B.V. SaiThrinath, C.S. Sundar Ganesh, Mohammad Ishrat and ArchanaBhaskar, "Electrical vehicle management and tracking using IOT", 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), March 2024, DOI: 10.1109/ICSES60034.2023.10465538. **(IEEE) (SCOPUS)**

50. CherukumpalemMohiddin Khan, S.V.R Lakshmi Kumari, ChundiVinay Kumar, MekalaHema and Rayipudi Angel, "Real-time Solar Power Optimization and Energy Monitoring System with Maximum Power Point Tracking", 2024 Third International Conference on Power, Control and Computing Technologies (ICPC2T), NIT, Raipur. 18-20 January 2024, DOI: 10.1109/ICPC2T60072.2024.10474843**(IEEE) (SCOPUS) (UG)**

51. **Vital M.L.N,**SrinuEjjipurapu, DayaSagarBattu, Apsha Mohammad, UdayAnnapareddy, "Implementation of Machine Learning Algorithms for Accurate Determination of Plant Diseases", 2nd IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023), Sri Venkateshwara College of Engineering, SVCE, Bengaluru3rd & 4th November 2023. **(IEEE) (SCOPUS) (UG)**

52. Chavalam Lakshmi PrasannaChaitanya, **M.L.N.Vital,**PenumathsaTejaswi, ModuguAnkitha, Prakki Naga SinduSriLatha, "A Cognitive Approach to Generate Electrical Energy fromAcousticmedium", The 3rd International Conference on Power Electronics, Intelligent Control, and Energy Systems (IEEE-ICPEICES-2024), 26th to 28th of April, 2024, Delhi Technological University, Delhi, India.**(IEEE) (SCOPUS) (UG)**

53. **M.L.N Vital,**SrinuEjjipurapu, DayaSagar, BattuApsha Mohammad, UdayAnnapareddy "Performance Evaluation Of Machine Learning Algorithms For Stability Prediction In Smart Grids", 2nd International Conference on Smart Systems for applications in Electrical Sciences (ICSSES-2024) 3rd & 4th May, 2024, Siddaganga Institute of Technology, Tumakuru. **(SCOPUS) (UG)**

54. M. J. A. S. Kodiganti, **R. Jayaraman**, D. Narahari and V. N. H. Thopuri, "Weather-Adaptive Power Factor Management: A Machine Learning Approach," 2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE), Vellore, India, 2024, pp. 1-6, doi: 10.1109/ic-ETITE58242.2024.10493607. **(IEEE) (SCOPUS) (UG)**

55. T Suneel, A S Vishnu Mahesh, B Akhil Kumar, K Blessy Babu and B Gayatri, "Horn Detection System for Four-Wheeler Using Arduino", IEEE International Conference on Automation and

Computation (AUTOCOM)-2024, Mar. 14- 16, 2024, GRAPHIC ERA HILL UNIVERSITY, Road Society Area, Clement Town, Dehradun · India **(IEEE) (SCOPUS) (UG)**

56. T Suneel, A S Vishnu Mahesh, B Akhil Kumar, K Blessy Babu and B Gayatri, "Over-Crowd Avoiding In Transportation With Face Detection Using Raspberrypi", IEEE International Conference on Automation and Computation (AUTOCOM), Mar. 14 - 16, 2024, GRAPHIC ERA HILL UNIVERSITY, Road Society Area, Clement Town, Dehradun, India. **(IEEE) (SCOPUS) (UG)**

57. **Indira D**, "Efficient PCB Fault Detection: A Tensor RT-Based Inference Acceleration Approach", 3rd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2024), June. 2024. doi: 10.1109/ICDCECE60827.2024.10549684. **(IEEE) (SCOPUS)**

58. **Bindu Vadlamudi,** Vijayasri Nishitha Bommisetty, Vandana Vutla and Tejavath Nagamani, "Analysis and priority based smart power Distribution system using Automatic voltage Regulator (AVR)", 4th international conference on artificial Intelligence and smart energy, March 2024. Springer. DOI: doi.org/10.1007/978-3-031-61475-0_25. **(SCOPUS) (UG)**

59. A Packialatha, **Bindu Vadlamudi**, Sai Thrinath and C S Sundar Ganesh, "Electrical Vehicle Management and Tracking Using IOT", International conference on Innovative computing, Intelligent communication and smart electrical systems, IEEE conference 2023. DOI: 10.1109/ICSES60034.2023.10465538. **(IEEE) (SCOPUS) (UG)**

60. **Hari Vamsi Valluru,** Deva Harshini, Gopi Muralidhar and Mounika, "Advancing Solar Still efficiency- Pioneering Sustainable water Solutions", International Conference on Artificial Intelligence and Smart Energy, ICIAS2024, Information Systems Engineering and Management, Springer Cham, 2023. DOI: 10.1007/978-3-031-61475-0_3. **(UG)**

61. Chaitanya Goud Y, **Hari Vamsi V**, Nithya T, Sravan T and Jhansi P, "Augmentation of Dynamic Stability Using Power System Stabilizer Utilizing Fuzzy Logic Techniques", 2024 2nd International conference on Networking and Communications, 2024. DOI: 10.1109/ICNWC60771.2024.10537280. **(IEEE) (SCOPUS) (UG)**

62. Gopi Kuraku, **P. Venkatesh**, Sharif Mohammad, Rishitha Kunapureddy, and Sarth Kumar, "Dynamic self charging of EVs with integrated battery management system ", 5th international conference on recent trends in machine learning, IOT, smart cities and applications (ICMISC), March 28-29, 2024. **(SCOPUS) (UG)**

63. Gopi Kuraku, P. Venkatesh, Sharif Mohammad, Rishitha Kunapureddy and Sarth Kumar, "Gair based parkinsons disease prediction , A novel deep learning approach", 5th international conference on recent trends in machine learning, IOT, Smart cities and applications (ICMISC), March 28-29, 2024. **(SCOPUS) (UG)**

64. R. Panchakarla, J. S. Lekha, M. Arif, G. Kedharnath and **M. R. Ranga**, "Robotic Module For Safely Retrieving Frisky One's From Open Boreholes," 2023 IEEE 7th Conference on Information and Communication Technology (CICT), Jabalpur, India, 2023, pp. 1-6, doi: 10.1109/CICT59886.2023.10455114. **(IEEE) (SCOPUS) (UG)**

## Book Chapters (6)

**SCOPUS: 5**

**UG: 02 (SCOPUS), 01 (Others)**

**PG: 02 (SCOPUS)**

65. Ch. Syam and **GummadiSrinivasa Rao**, "Optimal Scheduling of Multi-Objective Hydro-Thermal-Wind using NSGSA Technique", In: B.B.V.L. Deepak, et al. (eds) Intelligent manufacturing Systems in Industry 4.0. Lecture Notes in Mechanical Engineering, Springer, Singapore, 2023. DOI: 10.1007/978-981-99-1665-8. **(SCOPUS) (PG)**

66. **Rao G.S., HariVamsi V.** and **Venkateswararao B**, "Transmission Pricing Using MW Mile Method in Deregulated Environment", In: Sharma, H., Shrivastava, V., Bharti, K.K., Wang, L. (eds) Communication and Intelligent Systems. Lecture Notes in Networks and Systems, vol. 689. Springer, Singapore, 2023. DOI: 10.1007/978-981-99-2322-9_3. **(SCOPUS)**

67. D Yamini, **GummadiSrinivasarao**, M Tejaswi, M Gowtham Vishal and M Vennela, "Enhancement of Solar Panel Efficiency", In: B.B.V.L. Deepak, et al. (eds) Intelligent manufacturing Systems in Industry 4.0. Lecture Notes in Electrical Engineering. Springer, Singapore, 2023. DOI: 10.1007/978-981-99-1665-8. **(SCOPUS) (UG)**

68. SaiKiran P., **Venkateswara Rao B**., SatyamohanSarveswar G and Manikanta P, "IOT-Based Monitoring and Controlling of Substation Parameters". In: Malik H., Mishra S., Sood Y.R., Iqbal A., Ustun T.S. (eds) Renewable Power for Sustainable Growth. ICRP 2023. Lecture Notes in Electrical Engineering, vol. 1086. Springer, Singapore. January 2024. DOI: 10.1007/978-981-99-6749-0_67. **(SCOPUS) (UG)**

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