


Name of Faculty	Dr..Ch. Venkata Krishna Reddy	
Designation	Asst. Professor	
Nature of Job/Appointment	Regular	
Date of Joining	01-11-2002	
E-mail	Chkrishnareddy_eee@cbit.ac.in	
<b>Education Qualifications</b>	<b>Name of the Degree</b>	<b>Class</b>
Ph. D	Doctor of Philosophy	---
PG	M. E	First
UG	B.E	Second
Work Experience		
Teaching	22 Years	
Research	11 years	
Industry	--	
Others	--	
Area of Specialization	Power Systems, Flexible AC Transmission Systems, Renewable energy systems	
Professional Memberships	<ul style="list-style-type: none"> <li>• The indian society for Technical Education (LM131793)</li> <li>• The Institute of Engineers (M-1704715)</li> <li>• International association of Engineers(359324)</li> <li>• International society for Development &amp; sustainability (M13110621)</li> <li>• Institute for Engineering Research and Publication (PM12763904)</li> </ul>	
Responsibilities held at Institution Level	<ul style="list-style-type: none"> <li>• Member, Students Affairs committee, from 2021</li> <li>• In charge-Students TSRTC Bus pass</li> <li>• Member- Canteen committee</li> <li>• Member, Disciplinary committee, from 2012 to 2018</li> </ul>	
Responsibilities held at Department Level	<ul style="list-style-type: none"> <li>• Placement Coordinator from july 2024</li> <li>• Member, BOS, since 19.09.2013</li> <li>• In-charge-BEE Lab</li> <li>• In-Charge, Time Tables, from 01-06-2003 to 01-05-2005 &amp; from 2016 to 2018</li> <li>• Coordinator, NBA, from 2012 to 2014 &amp; 2015 to 2017</li> <li>• In-charge, AEC works , from 2016 to 2019</li> <li>• In-charge, Maintenance, 2016 to 2019</li> <li>• In-Charge, Industrial Visit, s from 2009 to 2012</li> <li>• Coordinator, TEQIP-EEE, from 18-02-2013 to 14-11-2016</li> <li>• In-charge, Newsletter, from 11.01.2013 to 14-11-2016</li> <li>• In-charge, Website, from 11-01-2013 to 14-11-2016</li> <li>• Working as member, BOS, from 19.09.2013</li> <li>• Coordinator, CCC(JNTUH), from 2003 to 2009</li> <li>• Coordinator, ISO, from 2005 to 2007</li> </ul>	
Research Guidance	--	
Awards Received	<ol style="list-style-type: none"> <li>1. Adarsh Vidya Saraswati Rashtriya Puraskar for outstanding performance in research and publication from GLOBAL MANAGEMENT COUNCIL in 2024</li> <li>2. Best paper award in the category of models and algorithms, 2<sup>nd</sup> international conference on Data science and Applications, 10-12 April 2021, India.</li> <li>3. Best teacher award 2020, Institute of scholar, 2020, India.</li> </ol>	
Courses Handled at Under Graduate / Post Graduate Level.	<b>UG:</b> Electrical Machines-1 Digital Electronics and Logic Design Linear Integrated Circuits	

	Utilization Flexible AC transmission Systems Power Quality Energy mAnagement Systems Basic electrical Engineering <b>PG:</b> AI Techniques to Power Systems Power Semiconductor Devices and Circuits Renewable energy Sources	
No. of Papers Published	National Journals – --	International Journals – 35
	National Conference – 4	International Conference – 18
Projects Carried out	--	
Patents	2	
Technology Transfer	--	
Invited Speaker	--	
No. of Books/Chapter Published with details	Mukesh Soni, Renato R. Maaliw, Haewon Byeon Inje, Venkata Krishna Reddy, Chapter 15 - Front-in parking method for intelligent electric vehicles using proportional-integral-derivative control, Artificial Intelligence-Empowered Modern Electric Vehicles in Smart Grid Systems, Elsevier, 2024, Pages 417-439, ISBN:9780443238147, DoI:10.1016/B978-0-443-23814-7.00015-8.	
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings ( <b>Attended and/or Organized</b> ).	<ol style="list-style-type: none"> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on “Preparing Students for Placements and Higher Studies” Conducted by Electrical Engineering Department from 05/08/2024 to 09/08/2024 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</li> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on “Deep Learning” Conducted by Electrical Engineering Department from 11/09/2023 to 15/09/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</li> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on “Smart Grid and Integration of Distributed Generation” Conducted by Electrical Engineering Department from 28/08/2023 to 01/09/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana</li> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on “Sustainable Development Goals: Challenges and Opportunities” Conducted by Electrical Engineering Department from 21/08/2023 to 25/08/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana</li> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on “OBE and NBA Accreditation” Conducted by Electrical Engineering Department from 07/08/2023 to 11/08/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</li> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on “ANSYS-EM for Electrical Engineering Application” Conducted by Electrical Engineering Department from 17/07/2023 to 21/07/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</li> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on Energy Efficient and Decarbonisation Technologies Conducted by Electrical Engineering Department from 05/06/2023 to 09/06/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</li> <li>One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on Big Data Applications in Electrical Engineering Conducted by Electrical Engineering Department from 20/02/2023 to 24/02/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</li> </ol>	

	<p>9. One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on Raspberry Pi and its Interfacing Conducted by Electrical Engineering Department from 27/02/2023 to 03/03/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</p> <p>10. One week NITTTR-Chandigarh (Ministry of Education-Govt.India) sponsored AICTE Recognized Faculty Development Programme on “ Conducted by Electrical Engineering Department from 27/02/2023 to 03/03/2023 at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.</p> <p>11. One week AICTE – STTP (Series-IV) sponsored Faculty Development Program on “Next Generation Wireless Technologies: 5G and beyond” organized by IGCE, New Chandigarh during 20-09-2021 to 25-09-2021</p> <p>12. One week AICTE- STTP (SERIES-III) sponsored Faculty Development Program on “Next Generation Wireless Technologies: 5G and beyond” Organized by IGCE, New Chandigarh during 16-08-2021 to 21-08-2021</p> <p>13. One week UGC (Under Paramarsh Scheme) sponsored Faculty Development Program on “NAAC revised guidelines: A paradigm shift in quality initiatives” Organized by Career College, Bhopal during 26-07-2021 to 01-08- 2021</p> <p>14. One week AICTE- STTP (SERIES-II) sponsored Faculty Development Program on “Enhancing Emotional Intelligence in Academicians to Connect with Next Generation Students” Organized by JIMS, Kalkaji during 19-07-2021 to 24-07-2021</p> <p>15. One week UGC (Under Paramarsh Scheme) sponsored Faculty Development Program on “Transformation in Indian Education through New Education Policy-Challenges and Opportunities” organized by ST Aloysius College Mangalore during 05-07-2021 to 11-07-2021</p> <p>16. One week AICTE- STTP (SERIES-II) sponsored Faculty Development Program on “Energy Conservation and Audit” organized by Dept. of EEE, SITCE during 28-06-2021 to 03-07-2021.</p> <p>17. One week AICTE – STTP (Series-III) sponsored Faculty Development Program on “Design and technology aspects of off grid and grid connected roof top solar and Bio-energy (operation and maintenance)” Organized by Dept of EEE, St.Peters Engineering College, Hyderabad, during 15-04-2021 to 21-04- 2021</p> <p>18. One week AICTE Sponsored Short Term Training Programme on “Smart City: Recent Developments in Smart City (SMART-2020)” Organized by Department of Electrical and Electronics Engineering in association with AICTE, New Delhi conducted from 22-02-2021 to 27-02-2021 at Sri Siddhartha Institute of Technology, Tumakuru, Karnataka, India.</p> <p>19. One week AICTE- STTP sponsored Faculty Development Program on “Recent Trends in Renewable Energy Sources and their Integration to Smart Grid” Organized by Dept of EEE, St.Peters Engineering College, Hyderabad, during 30-11-2020 to 05-12-2020.</p> <p>20. One week AICTE- STTP (SERIES-IV) sponsored Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” Organized by Dept. of EEE , KPRIET, Coimbatore, during 24- 08-2020 To 29-08-2020.</p> <p>21. One week AICTE- STTP (SERIES-III) sponsored Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” Organized by Dept. of EEE , KPRIET, Coimbatore, during 17-08-2020 To 22-08-2020.</p> <p>22. One week AICTE- STTP (SERIES-II) sponsored Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” Organized by Dept. of EEE , KPRIET, Coimbatore, during 03- 08-2020 to 08-08-2020</p> <p>23. One week UGC-HRDC sponsored STC on "Soft Computing Techniques - Renewable and Electrical Systems" at JNTU, Hyderabad during 01-06-2020 to 06-06-2020</p> <p>24. One week UGC sponsored Faculty Development Program on “Promoting Quality Culture in Technical Institutions” Organized by Internal Quality Assurance Cell-AISSMS College of Engineering Under ‘UGC Paramarsh Scheme during 25th to 29th May 2020</p> <p>25. One week AICTE sponsored Faculty Development Program on</p>
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	<p>“Outcome Based Education: A Step towards Excellence” by GCE, Karad, under Margdarshan Scheme of AICTE, during 11-15 May 2020</p> <p>26. One week AICTE- STTP (SERIES-II) sponsored Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” organized by Dept. of EEE , KPRIET, Coimbatore from 3 rd Aug, 2020 to 8 th Aug, 2020.</p> <p>27. One week AICTE- STTP (SERIES-III) sponsored Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” organized by Dept.of EEE , KPRIET, Coimbatore from 17 th Aug, 2020 to 22 nd Aug, 2020.</p> <p>28. One week AICTE- STTP (SERIES-IV) sponsored Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” organized by Dept. of EEE , KPRIET, Coimbatore from 24 th Aug, 2020 to 29 th Aug, 2020.</p> <p>29. One week AICTE- STTP sponsored Faculty Development Program on “Recent Trends in Renewable Energy Sources and their Integration to Smart Grid” organized by Dept. of EEE, St.Peters Engineering College, Hyderabad from 30 th Nov, 2020 to 5 th Dec.2020.</p>
<p>Details of Journal Publications/ Conferences (<b>National and International</b>)</p>	
<p><b>International Journals:</b></p> <ol style="list-style-type: none"> <li>1. A. Manjula, Umesh Trambakrao Kute, Chinthaleruvu Venkata Krishna Reddy, Balasubreddy Mallala., “Power quality improvement of microgrid for photovoltaic ev charging station with hybrid energy storage system using RPO-ADGAN approach”, <i>Journal of Energy Storage (ISSN 2352-152X)</i>, 2025, Doi:1016/j.est.2024.114970, Elsevier publication (Q1), SCI, Impact factor: 10.3</li> <li>2. Vennila, C., Papana, V.P., Reddy, C.V.K. et al., “ALSO-DCGNN: enhancing power quality and voltage regulation of energy storage systems in DC micro grid”, <i>Environment, Environment, Development and Sustainability (ISSN: 1387-585X)</i>, 2024, Doi: 10.1007/s10668-024-05226-9, Springer publication (Q1), SCI, Impact factor: 10.2</li> <li>3. Bhoopathi, M., Papana, V.P., Reddy, c.V.K. et al., “Unbalanced operation of integrated power distribution system for optimal energy flow using LSO-vCANNs approach”. <i>Environment, Development and Sustainability (ISSN: 1387-585X)</i>, 2024, Doi: 10.1007/s10668-024-05121-3, Springer publication (Q1), SCI, Impact factor: 10.2</li> <li>4. Shirley, C. P., Pattar, J., Kavitha Rani, P., Saini, S., Ranga, J., Elangovan, D., &amp; Venkatakrishna Reddy, Ch. “Microgrids with day-ahead energy forecasting for efficient energy management in smart grids: hybrid CS-RERNN”, <i>Australian Journal of Electrical and Electronics Engineering (ISSN:1448-837X)</i>, vol.21, issue 3, 2024, Pages:213–227, Doi:10.1080/1448837X.2024.2312488, Taylor and Francis publication (Q3), SCI, Impact factor: 2.3</li> <li>5. S. Kirubadevi, T. Sathesh Kumar, Sivarajan S, Chinthaleruvu Venkata Krishna Reddy, “Optimizing Cost and Emission Reduction in Photovoltaic–Battery-Energy-Storage-System-Integrated Electric Vehicle Charging Stations: An Efficient Hybrid Approach”, <i>Energy Technology (ISSN:2194-4288)</i>, 2024, Doi: 10.1002/ente.202301131, Wiley-Blackwell publication (Q1), SCI, Impact factor: 7</li> <li>6. R. J. Venkatesh, R. Priya, P. Hemachandu &amp; Chinthaleruvu Venkata Krishna Reddy. “An optimization approach control of EV solar charging system with step-up DC–DC converter”, <i>Analog Integrated Circuits and Signal Processing (ISSN:0925-1030)</i>, 2024, Doi: 10.1007/s10470-024-02253-4, Springer publication (Q3), SCI, Impact factor: 3.1</li> <li>7. K.S. Bhuvaneshwari, L. Rama Parvathy, K. Chat apathy, Ch. Venkata Krishna Reddy. “An internet of health things-driven skin cancer classification using progressive cyclical convolutional neural network with ResNext50 optimized by exponential particle swarm optimization”, <i>Biomedical Signal Processing and Control (ISSN: 1746-8094)</i>, Volume 91, 2024, Doi: 10.1016/j.bspc.2023.105878, Elsevier publication (Q1), SCI, Impact factor: 8.2</li> <li>8. S. A. Sivasankari, Deepak Gupta, Ismail Keshta, Ch. Venkata Krishna Reddy, Pavitar Parkash Singh &amp; Haewon Byeon. "Anonymity and security improvements in heterogeneous connected vehicle networks", <i>International Journal of Data Science and Analytics (ISSN: 2364-415X)</i>, 2024, Doi:1-14, 10.1007/s41060-023-00499-1, 2024, Springer publication (Q1), SCI, Impact factor: 2.4</li> <li>9. OmarA. AlKawak, Jambi Ratna Raja Kumar, Silas Stephen Daniel, Chinthaleruvu Venkata Krishna Reddy. “Hybrid method based energy management of electric vehicles using battery-supercapacitor energy storage”, <i>Journal of Energy Storage (ISSN 2352-152X)</i>, Volume 77, 2024, Doi:10.1016/j.est.2023.109835, Elsevier publication (Q1), SCI, Impact factor: 10.3</li> <li>10. Kanthapitchai Paul Joshua, Lenin Vadugapalayam Rangasamy, Chinthaleruvu Venkata Krishna Reddy &amp; Rajangam Veeruchinnan." Energy management of solar photovoltaic fed water pumping system based BLDC motor drive using NBO–SDRN approach", <i>Electrical Engineering (ISSN: 1432-0487)</i>, Vol. 106, issue 3, 2024, Doi:10.1007/s00202-023-02102-z, Springer publication (Q2), SCI, Impact factor: 3</li> <li>11. Chang, Jing, Li, Huiqin, Xiao, Na, Singh, Pavitar Parkash, Vats, Prashant and Reddy, Chinthaleruvu Venkata Krishna. "Fault diagnosis of electrical equipment based on virtual simulation technology", <i>Nonlinear Engineering (ISSN: 2192-8029)</i>, vol. 12, issue 1, 2023, pp. 20220334, Doi:10.1515/nleng-2022-0334, DE Gruyter publication (Q2), SCI, Impact factor: 7.7</li> <li>12. T. R. Vijaya Lakshmi &amp; Ch. Venkata Krishna Reddy. "Modeling and simulation of bacterial foraging variants: acoustic feature selection and classification." <i>Signal, Image and Video Processing (ISSN: 1863-1703)</i>, vol. 18,</li> </ol>	

- pages: 607–613, 2023, Doi: 10.1007/s11760-023-02783-w, Springer publication (Q2), SCI, Impact factor: 3.8
13. T. R. Vijaya Lakshmi, Ch. Venkata Krishna Reddy, Padmavathi Kora, K. Swaraja, K. Meenakshi, Ch. Usha Kumari & L. Pratap Reddy. "Classification of multi-spectral data with fine-tuning variants of representative models." *Multimedia Tools and Applications (ISSN: 1573-7721)*, Vol. 83, 2023, pages: 23465–23487, Doi: 10.1007/s11042-023-16291-z, Springer publication (Q1), SCI, Impact factor: 7.2
  14. T. R. Vijaya Lakshmi & Ch. Venkata Krishna Reddy. "Classification of skin lesions by incorporating drop-block and batch normalization layers in representative CNN models." *Arabian Journal for Science and Engineering (ISSN: 2193-567X)*, Vol.49, issue 3, 2023, pages: 3671–3684, Doi: 10.1007/s13369-023-08131-x, Springer publication (Q1), SCI, Impact factor: 5.2
  15. T. R. Vijaya Lakshmi & Ch. Venkata Krishna Reddy. "Cancer Prediction with Gene expression profiling and Differential Evolution," *Signal, Image and Video Processing (ISSN: 1863-1703)*, Vol.17, issue 5, 2022, Doi: 10.1007/s11760-022-02396-9, Springer publication (Q2), SCI, Impact factor: 3.8
  16. T.R.Vijaya Lakshmi, Ch.Venkata Krishna Reddy, K. Padmavathi, K. Swaraja & K. Meenakshi. "Entropy based single image dehazing with refined transmission using holistic edges," *Multimedia Tools and Applications (ISSN: 1380-7501)*, Vol.81, issue: 14, 2022, pages: 20229–20253, Doi: 10.1007/s11042-022-12485-z, Springer publication (Q1), SCI, Impact factor: 7.2
  17. Mallala, Balasubbareddy, Venkata Prasad Papan, Ravindra Sangu, Kowstuba Palle, and Venkata Krishna Reddy Chinthalacheruvu. "Multi-Objective Optimal Power Flow Solution Using a Non-Dominated Sorting Hybrid Fruit Fly-Based Artificial Bee Colony", *Energies (ISSN: 1996-1073)*, Vol.15, issue: 11, 2022, <https://doi.org/10.3390/en15114063>, MDPI (Q1), Impact factor: 1.3
  18. G. Raghavendra, Abhay Chaturvedi, Amrapali S. Chavan, Puran Singh, S. Farook, Ch.Venkata Krishna Reddy, Anurag Shrivastava. "Intelligent Driverless Delivery Solutions Using Recent Ai Technology". *International Journal of Intelligent Systems and Applications in ENGINEERING (ISSN: 2147-6799)*, vol.11, issue: 9S, 2023, pages: 217–224, Q3, Impact factor: 1.3
  19. M.Chiranjivi, D. Obulesu, Ganesh Babu Loganathan, S. Kayalvili, Prajaktanaregalkar, Ch.Venkata Krishna Reddy, P. William. "A Novel Optimization Approach for Smart Grid Systems with Nano-sized Objects", *Journal Nano- and Electronic Physics (ISSN: 2077-6772)*, vol.15, issue: 4, 2023, Doi:10.21272/jnep.15(4).04023, Q3, Impact factor: 1.3
  20. Avinash Kumar, Chetan More, Namita K. Shinde, Nikale Vasant Muralidhar, Anurag Shrivastava, Ch. Venkata Krishna Reddy, P. William. "Distributed Electromagnetic Radiation Based Renewable Energy Assessment Using Novel Ensembling Approach", *Journal Nano- and Electronic Physics, (ISSN: 2077-6772)*, vol.15, issue: 4, 2023, Doi:10.21272/jnep.15(4).04022, Q3, Impact factor: 1.3
  21. Ch. Venkata Krishna Reddy, K. Krishna Veni and G. Tulasi Ram Das, "ANN Controller for Damping of Oscillations using Interline Power Flow Controller of AC Transmission System", *International Journal of Engineering and Advanced Technology (ISSN: 2249–8958)*, Vol.8, issue: 6, 2019, pp: 54-58, Impact factor: 0.14
  22. Ch. Venkata Krishna Reddy, K. Krishna Veni and G. Tulasi Ram Das. "Fuzzy logic controller for damping of low frequency oscillations using interline power flow controller of AC transmission system", *Journal of Advanced Research in Dynamical and Control Systems (ISSN: 0973-4562)*, Volume 11, issue: 2, 2019, pp. 2166- 2172.
  23. Ch. Venkata Krishna Reddy, K. Krishna Veni and G. Tulasi Ram Das, "Analysis of AC transmission system using interline power flow controller for damping of low frequency oscillations with PI controller", *ARPJ Journal of Engineering and Applied Sciences (ISSN: 1819-6608)*, Vol. 13, issue: 6, 2018, pp: 2166- 2172, Q3.
  24. Ch. Venkata Krishna Reddy, K. Krishna Veni, G. Tulasi Ram Das and Siraj, " Small Signal Analysis of Flexible AC Transmission System using Interline Power Flow Controller", *Journal of Theoretical and Applied Information Technology(1992-8645)*, Vol.47, No.2, 2013, pp: 840-851,ISSN: 1992-8645.
  25. K.Maheswari, Oluwadare Joshua Oyebo, M. Priscilla, Vikas Maheshkar, K. Lakshmi Prasad, Ch. Venkata Krishna Reddy, Sandeep Kumar. "Design of Green IoT for Sustainable Smart Cities and Eco-friendly Environment", *European Chemical Bulletin (ISSN: 2063-5346)*, Vol.12, Spl.issue: 4, 2023, pp: 9542-9551, Q3.
  26. S. Indumathi, Dr. R.Malathi, Ramya R, Álvaro Vargas-Chavarrea, Sanchita Shaw, Ch. Venkata Krishna Reddy. "Experimental Analysis of the green 6G network for the pervasive communication", *European Chemical Bulletin (ISSN:2063-5346)*, Vol. 12, Spl.issue: 4, 2023, pp: 7806-7815, Q 3.
  27. Abdul Rahman H Al'i, Abdullah Al-Shenqiti, K.Srinivasa Rao, Rashima Mahajan, Ashish Jain, Ch.Venkata Krishna Reddy. "Assisted Living Care Predictions Based on AI and Machine Learning", *European Chemical Bulletin (ISSN: 2063-5346)*, Vol. 12, Spl.issue: 4, 2023, pp: 7862-7869, Q3.
  28. S. Prabakar, K. V. Manju, Renuka Deshmukh, Ch.Venkata Krishna Reddy, Vikas Pathak, Rohit. "Role of Green Finance for Energy Security & Sustainable Development", *European Chemical Bulletin (ISSN: 2063-5346)*, Vol. 12, Spl.issue: 4, 2023, pp: 1953-1963, Q3.
  29. Ch.Venkata Krishna Reddy, T.R.Vijaya Lakshmi, P. Venkata Prasad, M.Thirupathaiiah. "Performance Evaluation of Modified SEPIC converter for Renewable Applications", *Proteus Journal (ISSN: 0889-6348)*, Vol. 12, Spl.issue: 4, 2021, pp: 54-61.
  30. Ch.Venkata Krishna Reddy and T.R.Vijaya Lakshmi. "GSM based Prepaid Electricity Energy Meter", *Sustainable Humansphere (ISSN: 1880-6503)*, Vol. 16, issue: 2, 2020, pp: 509-515
  31. Ch. V. Krishna Reddy, "The Efficiency and Steady State, Transient Analysis of the Buck Converter", *International Journal of Innovative and Emerging Research in Engineering (IJIERE)*, Vol. 4, Issue 1, pp. 48- 60, 2017, ISSN: 2394-3343(O), ISSN 2394-5494(P)
  32. V. Harsha Vardhan Reddy, Ch. Venkata Krishna Reddy. "Application of Fuzzy Based Multifunctional DSTATCOM Operating Under Stiff Source", *International journal of scientific Engineering and Technology Research*, Vol.06, Issue.19, 2017, ISSN: 2319-8885 Pages: 3797-3802.
  33. Laxmi Niveditha, Krishna Reddy Ch.V and Venkata Prasad P, "Enhancement of ATC Using Series Compensation In Restructured Power System", *The Journal of CPRI*, Vol.12, No.4, 2016, pp: 671- 676, ISSN: 0973-

0338.

34. Ch. Venkata Krishna Reddy, B. Suresh Kumar and D.Ashok Kumar, "Comparative analysis of interline power flow controller with PI & fuzzy logic controller", *International Journal of Electrical and Electronics Engineers*, Vol.8, No.2, 2016, pp: 475-489, ISSN: 1992-8645.

35. Ch.Venkata Krishna Reddy, K.KrishnaVeni, G.Tulasi Ram Das and Sampath pulla, "Performance Analysis of D-STATCOM compensator using control techniques for load compensation", *International journal of Advanced Scientific and Technical Research*, Vol.2, No.1, 2011, pp:21-33, ISSN:2249-9954

#### **International Conferences:**

1. Gollapudi, V.M., Madhuli, A.S., Kartik, R., Valiveti, H.B., Vijaya lakshmi, T.R., Reddy, C.V.K. "Analysis of Image Quality and Video Denoising Using Convolutional Neural Networks", *Advances in Signal Processing and Communication Engineering. ICASPACE 2023. Lecture Notes in Electrical Engineering*, vol 1157. Springer, Singapore. [https://doi.org/10.1007/978-981-97-0562-7\\_12](https://doi.org/10.1007/978-981-97-0562-7_12)

2. Nadella, P., Bindu, B., Sri Sindhu, P.S., Sri Krishna Kireeti, G., Bindu Valiveti, H., Krishna Reddy, C.V. "Real-Time Accident Detection and Reporting System Using Edge Computing and Convolutional Neural Networks with Integration of GPS for Public Safety", *Advances in Signal Processing and Communication Engineering. ICASPACE 2023. Lecture Notes in Electrical Engineering*, vol 1157. Springer, Singapore. [https://doi.org/10.1007/978-981-97-0562-7\\_11](https://doi.org/10.1007/978-981-97-0562-7_11).

3. R. Suryawanshi, K. Chatrapathy, A. Al-Khaykan, W. D. Priya, C. V. K. Reddy and K. V. S. Prasad, "Decomposition of electrical and electronic waste management by using artificial intelligence," 2023 Seventh International Conference on Image Information Processing (ICIIP), Solan, India, 2023, pp. 411-416, doi: 10.1109/ICIIP61524.2023.10537739., IEEE Xplore.

4. W. Alghamdi, S. Mayakannan, G. A. Sivasankar, J. Singh, B. Ravi Naik and C. Venkata Krishna Reddy, "Turbulence Modeling Through Deep Learning: An In-Depth Study of Wasserstein GANs," 2023 4th International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2023, pp. 793-797, doi: 10.1109/ICOSEC58147.2023.10275878., IEEE Xplore.

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