


1	Name of Faculty	Dr. T. MURALI KRISHNA	
2	Designation	Associate Professor	
3	Nature of Job/Appointment	Regular	
4	Date of Joining	26 - 03-2008	
5	E-mail	tmuralikrishna_eee@cbit.ac.in	
6	Education Qualifications	Name of the Degree	Class
	Ph. D	Doctor of Philosophy (Electrical)	Awarded
	PG	M. Tech. (EPS)	Distinction
	UG	A.M.I.E.	Second
7	Work Experience		
	Teaching	24Years (Includes research experience)	
	Research	9 Years	
	Industry	--	
	Others	--	
8	Area of Specialization	Power Systems, Power Electronics, FACTS, Wavelets	
9	Professional Memberships	Life Member, ISTE Number: LM43503 Member, IE(I) Number: AM1201134 IEEE Member 101051379	
10	Responsibilities held at Institution Level	<ol style="list-style-type: none"> 1. Associate Director – IQAC from 17-03-2025 to till date. 2. Convener, Academic Audit Committee from 09-07-2025 to till date 3. Member, Anti-ragging Committee from 20-08-2025 to till date 4. Convener Chaitanya Reethi Club from 24-07-2019 to 31-08-2021 5. Member, NAAC Institutional Level Committee from 03-02-2021 to till date 6. Member, NIRF Institutional Level Committee from 03-10-2020 to till date 7. Member, IQAC Institutional Level Committee from 20-05-2021 to 22-12-2024, from 06-05-2025 to till date 8. Member, Students Counselling Committee from 12-04-2021 to 05-05-2025 9. Member, Student Welfare Committee from 22-10-2025 to till date 10. Co-convener, Institute Level Committee for Accreditation of UG & PG Programs from 31-07-2025 to till date 	
11	Responsibilities held at Department Level	<ol style="list-style-type: none"> 1. In-charge Faculty affairs coordinator from 28-08-2023 to till date 2. In-charge for Power Electronics Lab (PG) upto 05-07-2021 3. In-charge Power Electronics Lab (UG) from 18-08-2010 to 30-06-2020 & from 17-07-2023 to till date 4. In-charge, Course Expert Group 5. Member PAQIC 6. Member Board of Studies from 16-09-2013 to 10-01-2018 and 01-06-2021 to till 13-03-2024. 7. Departmental faculty coordinator for Web and Branding Committee from 30-01-2020 to 09-06-2021 8. In-Charge Microprocessor Lab from 18-08-2010 to 10-01-2013. 9. In-Charge ISO from 18-08-2010 to 10-01-2013. 10. Department Placement Coordinator from 16-11-2007 to 17-08-2010 11. In-Charge Guest Lectures from 04-05-2009 to 17-08-2010. 12. In-Charge Timetable from 01-04-2008 to 17-08-2010 13. In-Charge Department AICTE Projects from 16-11-2007 to 03-05-2009. 14. In-Charge, Department Website from 11-10-2008 to 03-05-2009. 	

12	Research Guidance	Ph. D. Guided -2	Ph.D. Pursuing: 2
13	Awards Received	<ol style="list-style-type: none"> 1. IETE KS KRISHNAN MEMORIAL AWARD-2024 for Journal article. 2. Best Paper Award in International Conference on Intelligent Computing and Sustainable Innovations in Technology (IC-SIT) 2024, Silicon University, Bhubaneswar 3. Best Paper Award in second International Conference on Emerging Technologies and Applications in Electrical Engineering (ICETAE 2024), NIT Raipur 4. Best Paper in International Conference by RSP Conference Hub, Coimbatore, Tamilnadu 5. Best Researcher Award by EET-CRS-8th Faculty Branding Awards-2020 on 19th July 2020 6. Best Faculty Award by EET-CRS-8th Academic Brilliance Awards-2020 on 8th March 2020. 7. Best Teacher Award by CBIT(A) on 9th March 2017 8. Best Paper Award in IEEE Conference- ICSSS-2013 by Saveetha Engineering College, Chennai 	
14	Courses Handled at Under Graduate / Post Graduate Level.	Electromagnetic Theory, Power Electronics, Switchgear and Protection, Electric Circuits-I, Basic Electrical Engineering, Electrical and Electronics Engineering, Electrical Circuits-II, Electrical Circuits & Machines, Circuits and Measurements Lab, Power Electronics Lab, Power Systems Lab, Basic Electrical Engineering Lab, Simulation Lab, Electrical & Electronics Engineering Lab, Electrical Machines-I Lab, Advanced Power System Protection, Advanced Electric Drives, Power Systems and Power Electronics Lab, Advanced Power Electronics and Drives Lab	
15	No. of Papers Published	National Journals – 00 National Conference – 03	International Journals – 56 International Conference – 22
16	Projects Carried out	<ol style="list-style-type: none"> 1. Completed R&D project titled "Design and Development Grid Tied Inverter for Renewable Sources Applications", Sponsored by R&D, Institution of Engineers (India) Kolkata in 2016. 2. Completed R&D project titled "Design and Development of Solid Rotor Alternator" Sponsored by CBIT R&D in 2013. 	
17	Patents	<ol style="list-style-type: none"> 1. Dr. T. Murali Krishna, Dr. N. Vasantha Gowri, Dr. K. Krishnaveni and Dr. G. Suresh Babu published a patent with application No. 202541057265, date of filing 14-06-2025 and published on 27-06-2025 with title "Low profile solar-Powered wireless gateway for distributed sensor network". 2. G. Suresh Babu, Shaik Abdul Arief, T. Murali Krishna, Umakanta Choudhury, published a patent with application No.202441050955, date of filing 03-07-2024 and published on 12-07-2024 with title "Automatic Medical Vending System And Method". 3. Dr. T. Murali Krishna, Dr. N. Vasantha Gowri, Dr. K. Krishnaveni and Dr. G. Suresh Babu published a patent with application No.202341086673, date of filing 19-12-2023 and published on 12-01-2024 with title "Method and Apparatus for Analyzing Electrical Energy Conservation Measure Impact for Building Retrofit". 4. Dr. N. Vasantha Gowri, Dr. T. Murali Krishna and Dr. G. Suresh Babu published a patent with application No.202241049658, date of filing 30-08-2022 and published on 19-09-2022 with title "A Hybrid Power Energy Management System". 5. Dr. N. Vasantha Gowri and Dr. T. Murali Krishna published a patent with application No.202141031661, date of filing 14-07-2021 and published on 13-08-2021 with title " IoT Based Automation of Industry Using Optimized Robotics Process". 	
18	Technology Transfer	--	
19	Invited Speaker	<ol style="list-style-type: none"> 1. Resource person for Guest lecture on "Electromagnetic Fields" on 30-01-2021 at St. Peters Engineering College. 2. Resource person for workshop on "NIRF Faculty publications indexing and registrations and citations and patents" on online for JNTU Jagtial on 27-12-2020. 3. Resource person for workshop delivered lecture on "Modeling and Simulation of Power Electronic Converters", EEE Dept., UCE, JNTUK, Kakinada, 13-03-2018. 	

4. Resource person for AICTE FDP "Power Electronics for Renewable Energy Systems - Present Trends and Future Scope" (PERES-2017)", EEE Dept., CBIT(A) Nov-2017
5. Resource person for IQAC workshop on "Performance Measures in Academic and Research Aspects", delivered lecture on "Publications – Quality Parameters", CBIT, Hyderabad on 20-06-2017.
6. Resource person for National Level workshop on "Application of Power Electronics to Power Systems and Renewable Energy Sources", EEE Dept., GNITS, Hyderabad, March-2017

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WS/ Seminars/ Conferences/ STTPS/ FDPs Attended

1. A five-day International Workshop on "Advancing Distributed Generation: Renewable Integration, Impacts and Smart Grid Solutions" organized by Department of EEE, CBIT (A), Hyderabad during 10-03-2025 to 14-03-2025.
2. A three-day Workshop on "NAAC Accreditation and Outcome Based Education through AI Powered Digital Learning" organized by Office of the Dean, Development & UGC Affairs and IQAC Osmania University Hyderabad during 03-03-2025 to 05-03-2025.
3. A one-day Workshop on "New NBA Evaluation Guidelines for UG(BE/B.Tech) programmes in Engineering/Technology" organized by Department of EEE, CBIT (A), Hyderabad on 22-02-2025.
4. A five-day STTP titled "Open Source Applications in Engineering Education" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 18-11-2024 to 22-11-2024
5. A five-day STTP titled "Smartgrid and Integration of Distributed Generation" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 28-08-2023 to 01-09-2023
6. A five-day FDP titled "ANSYS-EM for Electrical Engineering Applications" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 17-07-2023 to 21-07-2023
7. A five-day FDP titled "Recent Trends in Green Energy Initiatives and Soft Computing Techniques" organized by Department of EEE, MGIT Hyderabad, from 11-07-2023 to 15-07-2023
8. A five-day FDP titled "Energy Efficient and Decarbonisation Technologies" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 05-06-2023 to 09-06-2023
9. A five-day FDP titled "Raspberry Pi and its Interfacing" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 27-02-2023 to 03-03-2023
10. A five-day FDP titled "Big Data Applications in Electrical Engineering" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 20-02-2023 to 24-02-2023
11. A two-week STTP on "Emerging Technologies in Electric Vehicles" organized by Bapatla Engineering College, in association with IETE, from 02-08-2021 to 14-08-2021
12. Successfully Completed "Electric Power System" an online non-credit course authorized by The State University of New York and offered through Coursera on 31-05-2020
13. Successfully Completed "Introduction to Electronics" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 05-05-2020
14. Successfully Completed "Linear Circuits-2 AC Analysis" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 29-04-2020
15. Successfully Completed "Linear Circuits-1 DC Analysis" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 23-04-2020
16. Successfully Completed e-learning program on "Induction Motor" an online course authorized by Tata Steel on 18-04-2020.
17. Successfully Completed e-learning program on "Power System Generation" an online course authorized by Tata Steel on 18-04-2020.

18. Successfully Completed e-learning program on "Transformer" an online course authorized by Tata Steel on 18-04-2020.
19. Successfully Completed e-learning program on "Power System Protection" an online course authorized by Tata Steel on 18-04-2020.
20. Successfully Completed "Introduction to Power Electronics" an online non-credit course authorized by University of Colorado and offered through Coursera on 16-04-2020.
21. Successfully Completed "Model a car and Design a PID controller in MATLAB/Simulink" an online course offered through Udemy on 16-04-2020
22. Successfully Completed "Power Electronics: Control and Simulation of PWM Inverters" an online course offered through Udemy on 06-04-2020.
23. Successfully Completed "MATLAB for Power Electronics: Simulation & Analysis" an online course offered through Udemy on 31-03-2020.
24. Successfully Completed "Fundamentals of Power Electronics Part-A" an online Eight-week graded course authorized by Deshya Technologies Pvt. Ltd. Incubated at IIT-Guwahati on 08-04-2017.
25. A six-day STTP titled "Principles and Advances in Electromagnetics" organized by Department of Physics, Centre for Continuing Education, IIT Madras from 22-03-2021 to 27-03-2021.
26. A webinar on "Advanced power converters for future power grids" organized by IEEE - PES Chapter, CBIT, Hyderabad on 10-03-2021.
27. A two-day workshop titled "NIRF India Rankings-2021 for Higher Educational" organised by Institute for Academic Excellence, Hyderabad during 18-01-2021 to 19-01-2021.
28. A five-day faculty development program on "Virtual Lab: Electronics and Communication Engineering" conducted by Madan Mohan Malaviya University of Technology, Gorakhpur, U. P, during 12-10-2020 to 16-10-2020.
29. A six-day STTP titled "Automotive Technology for Sustainable Future" organized by GokarajuRangaraju Institute of Engineering & Technology, Hyderabad from 07-09-2020 to 12-09-2020.
30. A five-day faculty development programme on "Blockchain Technology in Electrical Power Systems Applications" conducted by Srinidhi Institute of Science and Technology(A) Hyderabad, during 31-08-2020 to 04-09-2020.
31. A six-day STTP titled "Electric Vehicles: Challenges & Opportunities" organized by Sagar Institute of Research & Technology, Bhopal from 24-08-2020 to 29-08-2020.
32. A webinar on "Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids" organized by MGIT, Hyderabad on 28-07-2020.
33. A webinar on "Hands-on working with E-Tap. Modules: Draw SLD, Load Flow and Fault Current Study" organized by MGIT, Hyderabad on 26-07-2020.
34. A five-day faculty development program on "Controller Hardware-in-the-Loop Simulation: Tool for Future Electrical Engineers" conducted by MGIT, Hyderabad, on 24-07-2020 to 29-07-2020.
35. A Five-day online international FDP on "Renewable Energy Application in Smart Grid, Micro Grid and EVs (REASGMGEV-2020)" during 13-07-2020 to 17-07-2020.
36. A webinar on "Electrical Maintenance in Heavy Manufacturing Industries" organized by MGIT, Hyderabad on 17-07-2020.
37. A webinar on "Best Practices in Design and Installation of Solar PV Systems" organized by MGIT, Hyderabad on 15-07-2020.
38. Participated the India First Leadership Talk Series Webinar with Shri Shashi Shekhar, CEO, PrasarBharati, on 11-07-2020 conducted by MHRD's Innovation Cell.

39. A webinar on "Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids" organized by MGIT, Hyderabad on 10-07-2020.
40. A five-day faculty development program on "Real Time Aspects of Power System Scenario" conducted by MGIT, Hyderabad, during 06-10 July 2020.
41. A webinar on "Energy conservation and Auditing" organized by MGIT, Hyderabad on 02-07-2020.
42. A One-week online Refresher Course on "Bharateeya Chaitanyam" during 29-06-2020 to 05-07-2020
43. A webinar on "Superconductivity and Its Applications" organized by MGIT, Hyderabad on 04-07-2020.
44. A three-day faculty development program on "Emerging Trends in Electrical Engineering" conducted by KITS Ramtek, NAGPUR during 02-07-2020 to 04-07-2020.
45. A Webinar on "Superconductivity and Its Applications" Organized by MGIT(A) on 04-07-2020.
46. A Webinar on "Energy Conservation and Auditing" Organized by MGIT(A) on 02-07-2020.
47. A Webinar on "Magnetic Levitation and High-speed Trains" Organized by MGIT(A) on 01-07-2020.
48. Participated the India First Leadership Talk Series Webinar with Shri Dipendra Manocha, (Motivational Speaker), on 27-06-2020 conducted by MHRD's Innovation Cell
49. A Two-day online Workshop on "Reliability and its Applications to Power System and Drives" during 26-06-2020 to 27-06-2020
50. A Webinar on "Publishing Research Articles in Scopus Indexed Journals" Organized by CBIT(A) on 24-06-2020.
51. Participated the India First Leadership Talk Series Webinar with Mr. Shridhar Venkat, CEO (Akshay Patra Foundation), on 20-06-2020 conducted by MHRD's Innovation Cell
52. A Five-day online FDP on "Recent Challenges and Emerging Techniques on Microgrid" during 16-06-2020 to 20-06-2020
53. A Webinar on "Online Teaching Learning and Online assessment Demo" Organized by Inpods Ed-tech on 17-06-2020.
54. Participated the India First Leadership Talk Series Webinar with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment), on 13-06-2020 conducted by MHRD's Innovation Cell
55. A Webinar on "CO-PO Attainment Computation Analysis" Organized by Inpods Ed-tech on 13-06-2020.
56. A Five-day FDP on "Recent Trends in Electrical Engineering" on on-line during 08-06-2020 to 12-06-2020
57. A Two-day Webinar on "Application of ICT Tools in Research" Organized by RAI University, Ahmedabad, on 10-06-2020 & 11-06-2020
58. A Webinar on "Python Programming & Industrial Applications" Organized by Ethiraj College for Women, Chennai, 09-06-2020
59. A Webinar on "Simulation Driven Innovation for e-Mobility" Organized by Altair on 09-06-2020.
60. Participated the India First Leadership Talk Series Webinar with Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design), on 06-06-2020 conducted by MHRD's Innovation Cell
61. A Webinar on "Effective Role of Teachers in Enhancing Standards of Technical Education" Organized by GIST, Nellore, 06-06-2020.
62. A Five-day FDP on "AI Solutions to Power System Problems" on on-line during 02-06-2020 to 06-06-2020.
63. A Webinar on "How to Publish Research Article in SCI Journals using Info-Graphic Tools" Organize by RAI University, Ahmedabad on 04-06-2020.
64. A One-week FDP on "Outcome Based Education and NBA Accreditation Process (UG)" on on-line during 28-05-2020 to 01-06-2020
65. Participated the India First Leadership Talk Series Webinar with Dr. Nilesh N Oak, Expert (Indian Civilization & History), on 30-05-2020 conducted by MHRD's Innovation Cell
66. A One-week FDP on "Recent Advances in Power Electronics Applications with MATLAB Simulations"

- organized by NIT Patna on on-line during 25-05-2020 to 30-05-2020
67. A Five-day National Level FDP on "Artificial Intelligence" on on-line during 22-05-2020 to 26-05-2020
 68. A One-week FDP on "Research Opportunities in Electrical Engineering and its Applications" on on-line during 18-05-2020 to 23-05-2020
 69. Participated the India First Leadership Talk Series Webinar with Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd., 23-05-2020 conducted by MHRD's Innovation Cell
 70. Participated in Fifteen online sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28-04-2020 to 22-05-2020.
 71. A Webinar on "Recent Trends in Power Electronics Using MATLAB" Organized by St. Peter's Engg. College, Hyderabad, 22-05-2020.
 72. A Webinar on "Machine Learning and Deep Learning" Organized by Kasturba Gandhi PG College for Women, Hyderabad on 20-05-2020.
 73. A Webinar on "Quality Assurance in Online Teaching Learning & Evaluation" Organized by Vellore Institute of Technology, Vellore on 19-05-2020.
 74. A MHRD-IIC Two day Webinar on "Startup Lifecycle and Patent Registration" Organized by Atharva College of Engineering on 18-05-2020 & 19-05-2020.
 75. Participated the India First Leadership Talk Series Webinar with Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer, 16-05-2020 conducted by MHRD's Innovation Cell
 76. A Webinar on "Mental Health Awareness or COVID-19" Organized by Dumka Engg. College on 16-05-2020.
 77. A Webinar on "Deep Vision for Autonomous Self Driving Cars" Organized by University College for Women, Hyderabad 16-05-2020.
 78. A Two-day FDP on "Innovative Approaches in Mathematics Lecture Series-II" on on-line during 13-05-2020 to 14-05-2020.
 79. Participated the India First Leadership Talk Series Webinar with Prof D. P. Singh, Chairman UGC, 09-05-2020 conducted by MHRD's Innovation Cell
 80. A Five-day National FDP on "Micro-Controller Based Embedded System Design" on on-line during 04-05-2020 to 08-05-2020.
 81. A One Week AICTE STTP on "Introduction to Research Methodology & MATLAB Programming for Optimization Techniques" at CBIT, Hyderabad during 25-11-2019 to 31-11-2019
 82. A Two-day Seminar on "Advanced Solar PV Technologies" at ICT, Hyderabad during 14-10-2019 to 15-10-2019
 83. A One Week online-STTP on "Development of Laboratory Instruction and Manual" at CBIT, Hyderabad during 04-02-2019 to 08-02-2019
 84. A One Week MHRDFDP on "Internet of Things" at NIT Warangal during 08-05-2017 to 13-05-2017.

WS/ Seminars/ Conferences/ STTPs/ FDPs Organized

1. Organized a short-term course on "One Week In-house Workshop for supporting staff on "The Role of Supporting Staff in Organizational Development" during 28-04-2025 to 02-05-2025.
2. Organized a short-term course on "One Week In-house Workshop for supporting staff on "The Role of Supporting Staff in Organizational Development" during 21-04-2025 to 25-04-2025
3. Organized a short-term course on "Open-Source Applications in Engineering Education" during 18-11-2024 to 25-11-2024.
4. Organized a value added course on "Youth Empowerment & Skills" during 23-01-2023 to 28-01-2023 in association with Chaitanya Sattva club
5. Organized a value added course on "Youth Empowerment & Skills" during 23-01-2023 to 28-01-2023 in association with Chaitanya Sattva club

6. Organized a two-day workshop on "Sustainable India-2023", during 23-08-2023 to 24-08-2023 in association with Sustainability and Energy Practitioners Association.
7. Organized One Week AICTE STTP (Phase-III) on ""Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector", during 22-02-2021 to 27-02-2021.
8. Organized National Energy Conservation Week Celebrations during 14-12-2020 to 20-12-2020.
9. Organized One Week AICTE STTP (Phase-II) on ""Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector", during 02-11-2020 to 07-11-2020.
10. Organized One Week AICTE STTP (Phase-I) on ""Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector", during 03-08-2020 to 08-08-2020.
11. Organized an online webinar on "Trends and Challenges in the Progress of E-Mobility in India" in association with Pantech on 20-06-2020.
12. Organized a Two-Week Training/Internship Program on "Simulation Tools for Electrical and Electronics Engineering" Vidyut Prasikshana VIPRA-2020 on online during 08-06-2020 to 20-06-2020.
13. Organized a Seminar/Impact Lecture Session on "Innovations and IPR" in association with MHRD Innovation Cell in CBIT(A) on 04-03-2020.
14. Organized National Energy Conservation Week Celebrations during 14-12-2019 to 20-12-2019.
15. Organized an International Conference on "Vedic Mathematics" in Association with IAVM during 29-08-2019 to 31-08-2019.
16. Organized a One-day Workshop on "Significance of MATLAB in Applications of Emerging Technologies in Association with MATHWORKS, on 26-06-2019.
17. Organized a Five-day On-line STTP on "Development of Laboratory Instruction and Manual" in Association with NITTTR Kolkata during 04-02-2019 to 08-02-2019.
18. Organized National Energy Conservation Week Celebrations during 14-12-2018 to 20-12-2018.
19. Organized a Three-day Workshop on "Simulation of Power Electronic Converters" during 26-02-2018 to 28-02-2018.
20. Organized Two-Week AICTE FDP on "Power Electronics for Renewable Energy Systems - Present Trends and Future Scope" (PERES-2017)", during 13-11-2017 to 25-11-2017.
21. Organized a Three-day R&D Conclave on "Challenges and Opportunities for Research and Development of Power and Energy" during 01-02-2017 to 03-02-2017.

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Details of Journal Publications/
Conferences (National and
International)
International Journals from the year 2017

1. Venkata Prasanth, B., Mouli Chandra, B., Subba Rami Reddy, C., & Murali Krishna, T. (2025), "Optimal integration of long- and short-term operational planning decisions to design and manage electronic vehicle charge stations by CQOCRO technique", Energy & Environment, SAGE Journals,
2. Y. Sravan Kumar, T. Murali Krishna, Yesuratnam Guduri, (2025), "Three Phase Nine Level Modified NPC Grid Connected Inverter Topology with Proportional Resonant Based Control Strategy," SSRG International Journal of Electrical and Electronics Engineering, vol. 12, no. 3, pp. 128-136,
3. Kanchana, K., Murali Krishna, T., Yuvaraj, T., & Sudhakar Babu, T. (2025). Enhancing Smart Microgrid Resilience Under Natural Disaster Conditions: Virtual Power Plant Allocation Using the Jellyfish Search Algorithm. Sustainability, 17(3), 1043.
4. Srinu Bhukya, T. Murali Krishna, G. Malleshm and Ch. Anilbharadwaj (2025), Enhanced Performance of E-STATCOM Using Fuzzy Logic Controller for Grid-Connected Wind Systems Under Dynamic Fault Conditions. IJEER Vol-13, No-1, pp.1-9.
5. Koganti Srilakshmi, Amit Kumar, Krishnaveni Kondreddi, T. Murali Krishna, Praveen Kumar Balachandran, Gianluca Gatto, (2024), "Design of solar and energy storage systems fed reduced switch multilevel converter with flower pollination optimization", Journal of Energy Storage, Volume 99, Part A,113324,
6. P. Pradeep Kiran, T. Murali Krishna, M. Soumya, K. Susena Reddy, (2023) "Simulation of Asymmetrical Seven Level Multi Level Inverter using MATLAB Simulink", International Journal for Research in Applied Science & Engineering Technology, Vol-11, Issue-VII,

7. Kannan, Nithiyananthan, Vasantha Gowri, N., Muralikrishna, T., Kumar, Avinash, Mary Anjalin, F., Ramesh, M., Muthuraj, B., Birhanu, Habte wolde Ababu(2023) "Experimental Investigation on Incorporation of Zinc-Ferrite Nanocoated Baffles for Improving the Performance of Field Power Electrical Transformer Integrated with a Solar Air Heater", *Advances in Materials Science and Engineering*, Volume 2023, Article ID 5657609, 10 pages
8. C Anil Bharadwaj, T. Murali Krishna, NV Phanendra Babu, S Maiti (2022), "Performance Evaluation and Techno-Economic Analysis of Modular Multilevel STATCOM with Hybrid Storage for Renewable Power Dominated Grids", *IETE Technical Review* (Institution of Electronics and Telecommunication Engineers, India)
9. N. Vasantha Gowri, JS Isaac, T. Muralikrishna, G. Suresh Babu, MV Depoures, S Sekar (2022), "Genetic Algorithm Integrated Fuzzy AHP-VIKOR Approach for the Investigation of W-Cut Insert Heat Exchanger for Cooling of Dielectric Fluid Used in Ultra-High Voltage Transformer", *Advances in Materials Science and Engineering*, Volume 2022, Article ID 2819688, 24 pages
10. Sai Kishore, U Choudhury, G. Suresh Babu, T. Murali Krishna (2021) "Comparison of Analytical and Software Based Design of Energy Efficient Induction Motor", *International Journal for Research in Applied Science & Engineering*, Volume-9, Issue-7, pp.3627-3631
11. G. Suresh Babu, A. Venkat Rao, C. Sharath Chandra and T. Murali Krishna, (2021) "Adaptive Neuro Fuzzy Inference System Controller for Islanded Microgrid Under Nonlinear Load Conditions", *International Journal of Electrical Engineering and Technology (IJEET)*, Volume-12, Issue-6, pp. 422-436
12. K. Krishnaveni, M. Swamy Das, G. Suresh Babu, T. Murali Krishna and N. Vasantha Gowri (2021) "Alternative Approaches for Laboratory Learning and Assessment in Engineering Education – Open Source Alternatives", *International Journal of Electrical Engineering and Technology*, Volume 12, Issue 6, pp.221-230.
13. T. Murali Krishna, N. Vasantha Gowri, G. Suresh Babu, C. Harish, N.V. Phanendra Babu and B. Akshita (2021) "Performance Comparison of BLDC Motor Based on Conventional and Expert Controllers", *International Journal of Electrical Engineering and Technology (IJEET)*, Volume 12, Issue 6, pp. 211-220.
14. T. Murali Krishna, N. Vasantha Gowri, G. Suresh Babu, B. Akshita, Garv Agarwal and Mahesh Netha, "Modelling and Development of Controller for BLDC Motor", *International Journal of Electrical Engineering and Technology (IJEET)*, Volume 12, Issue 6, pp. 200-210.
15. C. Harish, T. Murali Krishna, G. Suresh Babu, N.V. Phanendra Babu and D. Hrishikes Sai, (2021), "Simulation of IGBT based Solid State Fault Current Limiter using MATLAB/Simulink", *International Journal of Electrical Engineering and Technology (IJEET)*, Volume 12, Issue 6, pp. 140-149.
16. P. Chow Reddy, G. Suresh Babu and T. Murali Krishna(2020) "A Novel Approach in Audio Compression using Vedic Concepts", *International Journal for Research in Applied Science & Engineering Technology*, Volume 8, Issue 7, pp.1122-1125.
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