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	23Years (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

10	Responsibilities held at Institution Level	1. Convener Chaitanya Reethi Club from 24-07-2019 to 31-08- 2021 2. Member, NAAC Institutional Level Committee from 03-02-2021 to till date 3. Member, NIRF Institutional Level Committee from 03-10-2020 to till date 4. Member, IQAC Institutional Level Committee from 20-05-2021 to 22-12-2024 5. Member, Students Counselling Committee from 12-04-2021 to till date

11	Responsibilities held at Department Level	1. In-charge for Power Electronics Lab (PG) upto 05-07-2021 2. In-charge Power Electronics Lab (UG)from 18-08-2010 to 30-06-2020 & from 17-07-2023 to till date 3. In-charge, Course Expert Group 4. Member PAQIC 5. Member Board of Studies from 16-09-2013 to 10-01-2018 and 01-06-2021 to till date. 6. Departmental faculty coordinator for Web and Branding Committee from 30-01-2020 to 09-06-2021 7. In-Charge Microprocessor Lab from 18-08-2010 to 10-01-2013. 8. In-Charge ISO from 18-08-2010 to 10-01-2013. 9. In-Charge Guest Lectures from 04-05-2009 to 17-08-2010. 10. In-Charge, Department Website from 11-10-2008 to 03-05-2009. 11. In-Charge Timetable from 01-04-2008 to 17-08-2010 12. Department Placement Coordinator from 16-11-2007 to 17-08-2010 13. In-Charge Department AICTE Projects from 16-11-2007 to 03-05-2009.

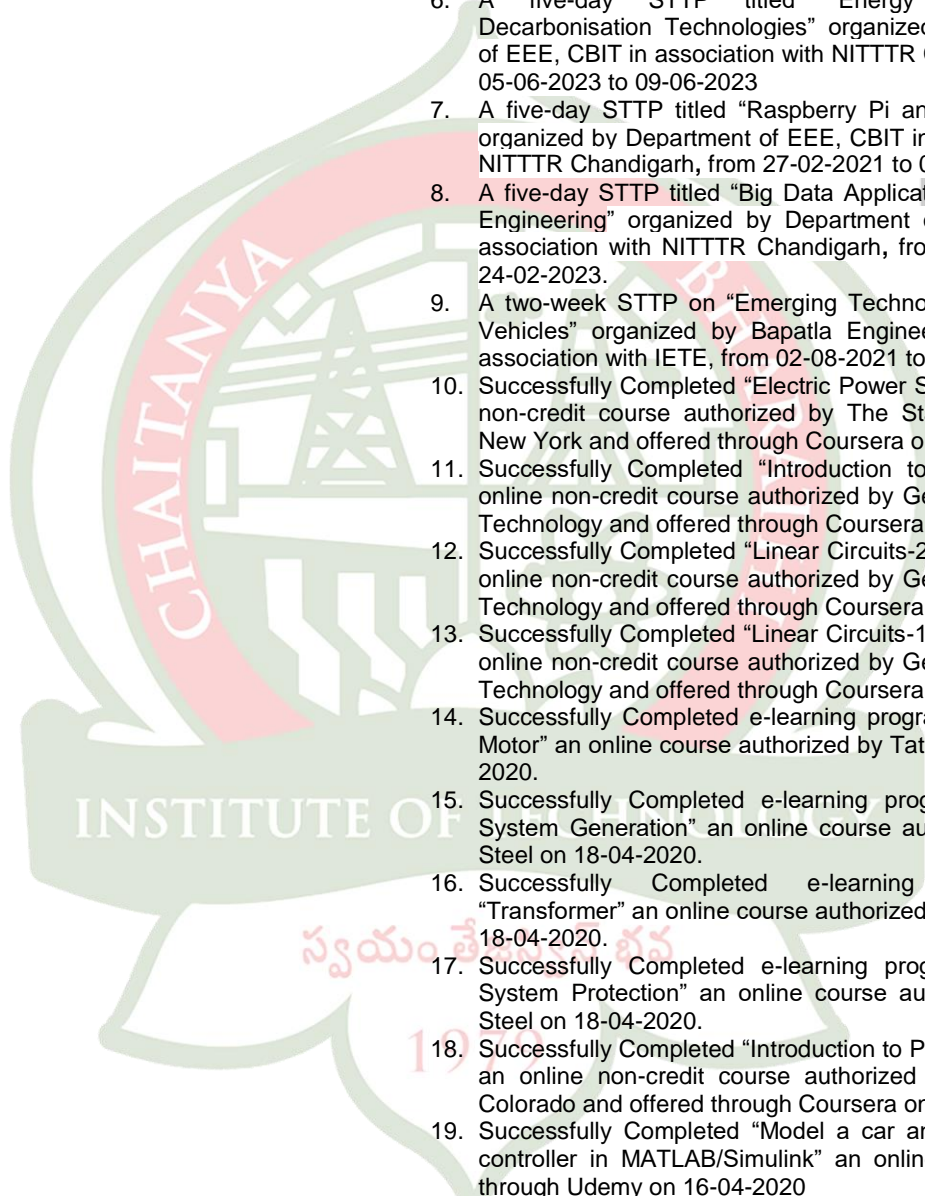| 12	Research Guidance	Ph.D. Pursuing: 4

13	Awards Received	1. Best Paper Award in International Conference at NIT-Raipur December- 2024 2. Best Paper Award in IEEE Conference-(IC-SIT) Nov-2024 organized by Silicon University, Bhubaneswar, 3. IETE KS Krishan Memorial Award-2024, IETE Journal publication Sep-2024 4. Best Paper Award in International Conference ICARD-Jan-2024. 5. Best Researcher Award by EET-CRS-8thFaculty Branding Awards-2020 on 19th July 2020 6. Best Faculty Award by EET-CRS-8thAcademic Brilliance Awards-2020on 8th March 2020.

		7. Best Teacher Award by CBIT(A) on 9th March 2017
		8. Best Paper Award in IEEE Conference- ICSSS-2013by 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-I, 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
15	No. of Papers Published	National Journals – 00 International Journals – 48 National Conference – 03 International Conference – 11
16	Projects Carried out	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	1. G. Suresh Babu, Shaik Abdul Arief, T. Murali Krishna, Umakanta Choudhury, published a patent with application number 202441050955, date of filing 03-07-2024 and published on 12-07-2024 with title "Automatic Medical Vending System and Method". 2. 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". 3. 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". 4. 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	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
20	No. of Books/Chapter Published with details	1. T Yuvaraj; K R Devabalaji; Murali Krishna Tangirala, (2024), "Optimal allocation of battery energy storage systems using artificial intelligence techniques", Renewable Energy for Plug-In Electric Vehicles, Book Chapter
21	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (**Attended and/or Organized**).	**WS/ Seminars/ Conferences/ STTPS/ FDPs Attended** 1. A six-day ATAL-FDP titled "Soft Computing Techniques Applied to Power Systems" organized by Department of EEE, Vasasvi College of Engineering from 16-12-2024 to 21-12-2024

2. A five-day FDP titled "Smart Grid and Integration of Distributed Generation" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 18-11-2024 to 22-11-2024

3. A five-day FDP titled "Smart Grid and Integration of Distributed Generation" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 28-08-2023 to 01-09-2023

4. 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

5. A five-day FDP titled "Recent Trends in Green Initiatives and Soft Computing Techniques" organized by Department of EEE, MGIT, from 11-07-2023 to 15-07-2023

6. A five-day STTP 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

7. A five-day STTP titled "Raspberry Pi and its Interfacing" organized by Department of EEE, CBIT in association with NITTTR Chandigarh, from 27-02-2021 to 03-03-2023

8. A five-day STTP 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.

9. 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

10. 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

11. Successfully Completed "Introduction to Electronics" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 05-05-2020

12. 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

13. 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

14. Successfully Completed e-learning program on "Induction Motor" an online course authorized by Tata Steel on 18-04-2020.

15. Successfully Completed e-learning program on "Power System Generation" an online course authorized by Tata Steel on 18-04-2020.

16. Successfully Completed e-learning program on "Transformer" an online course authorized by Tata Steel on 18-04-2020.

17. Successfully Completed e-learning program on "Power System Protection" an online course authorized by Tata Steel on 18-04-2020.

18. Successfully Completed "Introduction to Power Electronics" an online non-credit course authorized by University of Colorado and offered through Coursera on 16-04-2020.

19. Successfully Completed "Model a car and Design a PID controller in MATLAB/Simulink" an online course offered through Udemy on 16-04-2020

20. Successfully Completed "Power Electronics: Control and Simulation of PWM Inverters" an online course offered through Udemy on 06-04-2020.

21. Successfully Completed "MATLAB for Power Electronics: Simulation & Analysis" an online course offered through Udemy on 31-03-2020.

22. 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.

23. 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.

24. A webinar on "Advanced power converters for future power

grids" organized by IEEE - PES Chapter, CBIT, Hyderabad on 10-03-2021.

25. 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.

26. 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.

27. A six-day STTP titled "Automotive Technology for Sustainable Future" organized by Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad from 07-09-2020 to 12-09-2020.

28. A five-day faculty development programme on "Blockchain Technology in Electrical Power Systems Applications" conducted bySrinidhi Institute of Science and Technology(A) Hyderabad, during 31-08-2020 to 04-09-2020.

29. 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.

30. 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.

31. 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.

32. A five-day faculty development program on "Controller Hardware-in-the-Loop Simulation: Tool for Future Electrical Engineers" conducted byMGIT, Hyderabad, on 24-07-2020 to 29-07-2020.

33. 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.

34. A webinar on "Electrical Maintenance in Heavy Manufacturing Industries" organized by MGIT, Hyderabad on 17-07-2020.

35. A webinar on "Best Practices in Design and Installation of Solar PV Systems" organized by MGIT, Hyderabad on 15-07-2020.

36. Participated the India First Leadership Talk Series Webinar with Shri Shashi Shekhar, CEO, Prasar Bharati, on 11-07-2020 conducted by MHRD's Innovation Cell.

37. A webinar on "Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids" organized by MGIT, Hyderabad on 10-07-2020.

38. A five-day faculty development program on "Real Time Aspects of Power System Scenario" conducted by MGIT, Hyderabad, during 06-10 July 2020.

39. A webinar on "Energy conservation and Auditing" organized by MGIT, Hyderabad on 02-07-2020.

40. A One-week online Refresher Course on "Bharateeya Chaitanyam" during 29-06-2020 to 05-07-2020

41. A webinar on "Superconductivity and Its Applications" organized by MGIT, Hyderabad on 04-07-2020.

42. 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.

43. A Webinar on "Superconductivity and Its Applications" Organized by MGIT(A) on 04-07-2020.

44. A Webinar on "Energy Conservation and Auditing" Organized by MGIT(A) on 02-07-2020.

45. A Webinar on "Magnetic Levitation and High-speed Trains" Organized by MGIT(A) on 01-07-2020.

46. Participated the India First Leadership Talk Series Webinar with Shri Dipendra Manocha, (Motivational Speaker), on 27-06-2020 conducted by MHRD's Innovation Cell

47. A Two-day online Workshop on "Reliability and its Applications to Power System and Drives" during 26-06-2020 to 27-06-2020

48. A Webinar on "Publishing Research Articles in Scopus Indexed Journals s" Organized by CBIT(A) on 24-06-2020.

49. 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

50. A Five-day online FDP on "Recent Challenges and Emerging Techniques on Microgrid" during 16-06-2020 to 20-06-2020

51. A Webinar on "Online Teaching Learning and Online assessment Demo" Organized by Inpods Ed-tech on 17-06-2020.

52. 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

53. A Webinar on "CO-PO Attainment Computation Analysis" Organized by Inpods Ed-tech on 13-06-2020.

54. A Five-day FDP on "Recent Trends in Electrical Engineering" on on-line during 08-06-2020 to 12-06-2020

55. A Two-day Webinar on "Application of ICT Tools in Research" Organized by RAI University, Ahmedabad, on 10-06-2020 & 11-06-2020

56. A Webinar on "Python Programming & Industrial Applications" Organized by Ethiraj College for Women, Chennai, 09-06-2020

57. A Webinar on "Simulation Driven Innovation for e-Mobility" Organized by Altair on 09-06-2020.

58. 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

59. A Webinar on "Effective Role of Teachers in Enhancing Standards of Technical Education" Organized by GIST, Nellore, 06-06-2020.

60. A Five-day FDP on "AI Solutions to Power System Problems" on on-line during 02-06-2020 to 06-06-2020.

61. A Webinar on "How to Publish Research Article in SCI Journals using Info-Graphic Tools" Organize by RAI University, Ahmedabad on 04-06-2020.

62. A One-week FDP on "Outcome Based Education and NBA Accreditation Process (UG)" on on-line during 28-05-2020 to 01-06-2020

63. 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

64. 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

65. A Five-day National Level FDP on "Artificial Intelligence" on on-line during 22-05-2020 to 26-05-2020

66. A One-week FDP on "Research Opportunities in Electrical Engineering and its Applications" on on-line during 18-05-2020 to 23-05-2020

67. 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

68. 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.

69. A Webinar on "Recent Trends in Power Electronics Using MATLAB" Organized by St. Peter's Engg. College, Hyderabad, 22-05-2020.

70. A Webinar on "Machine Learning and Deep Learning" Organized by Kasturba Gandhi PG College for Women, Hyderabad on 20-05-2020.

71. A Webinar on "Quality Assurance in Online Teaching Learning & Evaluation" Organized by Vellore Institute of Technology, Vellore on 19-05-2020.

72. 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.

73. Participated the India First Leadership Talk Series Webinar with Dr. Pramod Chaudhari, Founder, Chairman, Praj

Industries Limited and Dr. Abhay Jere, ChiefInnovation Officer, 16-05-2020 conducted by MHRD's Innovation Cell

74. A Webinar on "Mental Health Awareness or COVID-19" Organized by Dumka Engg. College on 16-05-2020.

75. A Webinar on "Deep Vision for Autonomous Self Driving Cars" Organized by University College for Women, Hyderabad 16-05-2020.

76. A Two-day FDP on "Innovative Approaches in Mathematics Lecture Series-II" on on-line during 13-05-2020 to 14-05-2020.

77. Participated the India First Leadership Talk Series Webinar with Prof D. P. Singh, Chairman UGC, 09-05-2020 conducted by MHRD's Innovation Cell

78. A Five-day National FDP on "Micro-Controller Based Embedded System Design" on on-line during 04-05-2020 to 08-05-2020.

79. 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

80. A Two-day Seminar on "Advanced Solar PV Technologies" at IICT, Hyderabad during 14-10-2019 to 15-10-2019

81. A One Week online-STTP on "Development of Laboratory Instruction and Manual" at CBIT, Hyderabad during 04-02-2019 to 08-02-2019

82. 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 five-day FDP on "Open Source Applications in Engineering Education' during 18-11-2024 to 22-11-2024 in association with NITTTR, Chandigarh.

2. Organized a value-added course on "Electrical Vehicle Technology" during 24-04-2024 to 03-05-2024 in association with EV RETRON Energies India Pvt. Ltd.

3. Organized a one-week FDP on "Exploring the Significance of Indian Knowledge Systems (IKS) in the Context of National Educational Policy (NEP)2020-The Role of Higher Educational Institutions (HEI)" during 05-02-2024 to 10-02-2024.

4. Organized a one-week STTPP on "Electrical Safety-Challenges and Solutions", during 26-06-2024 to 02-07-2024.

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 aTwo-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.

22	Details of Journal Publications/ Conferences (**National and International**)

International Journals from the year 2017

1. Srilakshmi,Koganti; Kumar,Amit; Kondreddi, Krishnaveni; Krishna, T. Murali; Balachandran, (2024), "Design of solar and energy storage systems fed reduced switch multilevel converter with flower pollination optimization", Journal of Energy Storage, Vol-99, Part-A, 113324. pp.1-15

2. Srinu Bhukya; T. Murali Krishna; G. Mallesham; Ch. Anil Bharadwaj, (2024), "Design and Performance Evaluation of Fuzzy Controller based Energy Storage Enabled Statcom for Electrical Distribution Network", Journal of Electrical System, Vol-20, No-3, pp.606-618

3. Srinivas Cheera; T. Murali Krishna; B. Mangu, (2024), "Virtual Inertia Control of Stand-Alone Solar PV Systems for Frequency Regulation", Journal of Electrical System, Vol-20, No-10s, pp.3481-3489.

4. T. Murali Krishna, N. Vasantha Gowri, G.Suresh babu, K. Krishnaveni, (2024), "Digital Tracks: Investigating the Integration of IoT in Modern Public Transport", International Journal of Engineering Technology and Management Sciences, Vol-8, Issue-1, pp.62-70

5. Sravan Kumar Yenagandula; Murali Krishna Tangirala; Yesuratnam Guduri, (2024), "Single-phase five level modified neutral point clamped grid connected inverter topology with front-end chopper control of DC-link capacitor voltages", International Journal of Power Electronics and Drive Systems, Vol-15, No-4.

6. Dr. N. Vasantha Gowri; Dr. T. Murali Krishna; Dr. G. Suresh babu; Dr. K. Krishnaveni. (2024) " Enhancing Sustainability: Exploring IoT Integration in Renewable Energy Infrastructure", International Research Journal on Advanced Engineering Hub, Vol-2, No-4, pp.793-800.

7. Shiva Nandu Malkam, Vaishnavi Sanugommula, Pravallika Punumalli, T. Murali Krishna, (2024), "Dynamic Wireless Charging of Electric Vehicles Using RFID Protection", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol-12, Issue-4 pp.5254-5259

8. Venkata Prasanth, B., Mouli Chandra, B., Subba Rami Reddy, C., & Murali Krishna, T. (2023), "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,

9. 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,

10. Kannan, Nithiyananthan, Vasantha Gowri, N., Muralikrishna, T., Kumar, Avinash, Mary Anjalin, F., Ramesh, M., Muthuraj, B., Birhanu, Habtewolde 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

11. C Anil Bharadwaj, T. Murali Krishna, NV Phanedra 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)

12. 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.

13. 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

14. 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

15. 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.

16. 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.

17. T. Murali Krishna, N. VasanthaGowri, 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.

18. 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.

19. 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.

20. G. Sreelekha and T.Murali Krishna (2020) "Comparison Of DC-DC Converters for Renewable EnergyApplications", Strad Research Journal, Volume 7, Issue 7, pp.303-308.

21. G. Suresh Babu, N. R. Sai Varun, T. Murali Krishna, C. Harish and D. Harsha (2020) "Performance Analysis of DC-DC Converter based Standalone PV System using Cloud Connected Solar PV Emulator" Strad Research Journal, Volume 7, Issue 6, pp.440-447.

22. G. Suresh Babu, T. Murali Krishna,C. Srisailam and N. Vasantha Gowri (2020) "Performance Evaluation of DC Electric Spring Placed in Micro Grid Systems Using Solar PV Emulator", International Journal of Electrical Engineering & Technology, Volume 11, Issue 4, pp.246-256.

23. T. Murali Krishna, B. Geethanjali, N. Gouthami and L. Udaysree(2020) "Performance of Five Level Inverter with Different Multilevel Topologies" Strad Research Journal, Volume7, Issue 6, pp.435-439.

24. G. Suresh Babu, Sivasankar Venugopal, T. Murali Krishna (2020) "Inverse Definite Minimum Time Relay Coordination in Radial Traction System", International Journal of Electrical Engineering & Technology, Volume 11, Issue 4, pp.159-168.

25. T. Murali Krishna, K. Krishnaveni, G. Suresh Babu, D. Sushma and C. Harish (2019) "Performance Evaluation of Induction Motor for Unipolar and Bipolar Pulse Width Modulation Techniques", International Journal of Innovative Technology and Exploring Engineering, Volume 8, Issue 10, pp. 3626-3629.

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