

Mrs.N.Madhuri

Assistant Professor



Education Qualifications: M.Tech
Specialization: Power Electronics

ADDRESS:

- E- Block -604

JNTUH ID:

64150406-151529

EMAIL:

nmadhuri_eee@mgit.ac.in

DATE OF JOINING:

09-08-2006

EXPERIENCE – 22 Years

- Teaching - 22

SUMMARY:

- Publications - 10
- Conferences - 6

EVENTS:

- Organized - 3
- Attended - 40

Membership of Professional Bodies:

1. Life Member of ISTE

Responsibilities Held at Institution Level:

1. Member of student counselling Committee
2. Member of Women Welfare Committee
3. member of anti ragging committee

Responsibilities Held at Department Level:

1. Student counselling Incharge
2. Project Coordinator (IV Year) for 4 years
3. Incharge Department Meetings
4. Mini Project coordinator for 4 years
5. Class Incharge
6. Incharge Power Electronics Lab
7. Incharge Power Converters and Drives Lab for M.Tech
8. Incharge Power Electronic Converters Lab for M.Tech
9. Involved in NAAC and NBA works

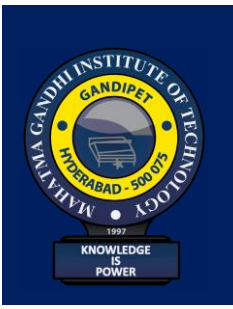
Courses Handled at Under Graduate /Post Graduate Level:

UG: Basic Electrical Engineering, Power Electronics, Power Semiconductor Drives, Utilisation of Electrical Energy, HVDCT, Power System Analysis

PG: Analysis of Power Electronic Converters, Power Electronic Converters, Advanced Power Electronic Converters

Publications:

1. P. Veera Bhadra Kumari & N. Madhuri, 'Analysis of PV Cell fed Cascaded H-Bridge Multilevel Inverter using PD and POD PWM' in International Journal of Electrical Engineering and Technology (IJEET), Volume 12, Issue 4, April 2021
2. N. Madhuri & P. Veera Bhadra Kumari, 'Isolated Half Bridge DC-DC Converter using Soft Switching PWM' in International Journal of Electrical Engineering and Technology (IJEET), Volume 12, Issue 6, June 2021
3. N. Madhuri & P. Veera Bhadra Kumari, 'A Novel ZCS Buck Converter for Rechargeable Batteries' in Journal of Information and Computational Science, Volume 11, Issue 3, June 2021
4. Samiya Iftekar, N. Madhuri, 'A BL-CSC Converter Fed BLDC Motor Drive with Power Factor Correction Using Fuzzy Logic Controller', Journal of Xi'an University of Architecture and Technology, Volume XIII Issue 3, March 2021, Page No. 158-164

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5. P. Veera Bhadra Kumari & N.Madhuri, 'Soft Switching of Full Bridge DC-DC Buck Converter' in IJREAM , Vol. 6, Issue 1, April, 2020
6. N. Madhuri & P.Veera Bhadra Kumari, 'Soft switching of buck converter with coupled inductor' in IJREAM, Vol. 6, Issue 1, April, 2020
7. P. Veera Bhadra Kumari & N.Madhuri, 'Power Quality Improvement using Nine Switch UPQC' in AEGAEUM Journal, Vol. 8, Issue 6, June 2020
8. Enhanced Improvement in Dynamic Behavior of Hybrid Active Power Filter using PI Controllers and Fuzzy Logic in IJPHRD, November, 2019
9. Survey of Fault Tolerant Strategies for Shunt Active Power filters published in IOSR-JEEE, 2014
10. Fault Tolerant Control of Three Phase Four Leg Shunt Active Power Filter published in International Journal of advanced Engineering and computing Technology Dec-2013

Conferences:

1. Fault Tolerant Control of Hybrid Power Filter in 2014 IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCCT)
2. Fuzzy based Fault Tolerant Shunt Active Power Filter in 2014 IEEE International Conference on Instrumentation, communication and computational Technologies
3. 'Isolated Bidirectional DC-DC Converter with ZVS-ZCS' in National Conference on Recent Trends in Electrical Engineering at M.G.I.T on 28th and 29th February 2020
4. 'Coupled Inductor based ZCS-ZVS Buck Converter' in National Conference on Recent Trends in Electrical Engineering at M.G.I.T on 28th and 29th February 2020

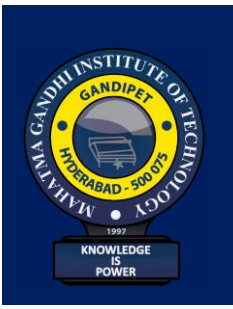
Events Organized:

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. A Webinar on "Energy Conservation and Auditing" on 02.07.2020
2. A workshop on " Power Electronics Applications in Renewable Energy" on 24.07.2019
3. Technical Fest Potenzia'12, National Level Technical Symposium .2012

Events Attended:**FDPs/STTPs:**

1. Challenges and Opportunities of Energy and Sensor Applications, JNTUACEA, under TEQUIP-III, 23-09-2020 to 26-09-2020
2. Industrial Automation, VIT, Chennai, 21-09-2020 to 25-09-2020
3. Intellectual Property Rights and Patent Filing, MGIT, Hyd, 21-09-2020 to 25-09-2020
4. Integration, storage and Control of Hybrid Energy Systems, Geetanjali College of Engineering and Technology, Hyderabad, 31-8-2020 to 05-09-2020
5. Future Energy Trends and its Impact, SJBIT, Bangalore, 24-08-2020 to 28-08-2020
6. STTP on Recent Trends and Challenges in Smart Grid Technology, Sri Ramakrishna Engineering College, Coimbatore, 17-08-2020 to 21-08-2020
7. STTP on Integration, Storage and Control in Hybrid Energy System (HES), Geetanjali College of Engineering and Technology, Hyderabad, 17-08-2020 to 22-08-2020
8. ICT Tools for Teaching, Learning process & Institutes, MNIT, Jaipur, 10-08-



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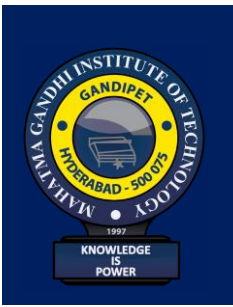
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2020 to 21-08-2020

9. Recent Advances in Renewable Energy & Energy Efficiency Technologies, MGIT, Hyderabad, 21-07-2020 to 25-07-2020
10. Controller Hardware-in-the-Loop Simulation Tool: for Future Electrical Engineers, MGIT, Hyderabad, 7/24/2020
11. Real Time Aspects of Power System Scenario, MGIT, Hyderabad, 6-07-2020 to 10-07-2020
12. FDP on “Electric Power GRID Modernization Trends, Challenges and Opportunities” conducted by KITS, Guntur, 09-06-2020 to 13-06-2020
13. FDP on “Design of Solar PV System Using PVSYST Software” conducted by Vagdevi College of Engineering, 09-06-2020 to 13-06-2020
14. FDP on “Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles” conducted by BEC, Bapatla, 01-06-2020 to 05-06-2020
15. FDP on "SCILAB - An Open Source Substitute for MATLAB" at JNTUH, Sultanpur, from 25-05-2020 to 30-05-2020
16. FDP on "Research opportunities in Electrical Engineering and its applications" at PSR Engineering College, Sivakasi, 18-05-2020 to 23-05-2020
17. FDP on " Role of IOT, Embedded, Electric Vehicle and Power Electronics Converters for the smart world" at St. Joseph’s college of Engg., Chennai 18-05-2020 to 22-05-2020
18. FDP on “Art of Writing papers and Research Methodologies”conducted by, GRIET, HYd, 07-5-2020 to 13-05-2020
19. FDP on “Technological Advancement in Power System Control, Power Controllers, Drives and E-Vehicles” Dr.N.G.P.Institute of Technology, Chennai 27-04-2020 to 01-05-2020
20. FDP on "Artificial Intelligence & deep learning" conducted by Edux Labs 20-04-2020 to 24-04-2020

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Webinar on Demand Side Management - The Utility Approach, SJBIT, Bangalore, 8/31/2020
2. Webinar on Solutions to challenges in Electric Vehicles, MGIT, Hyderabad, 8/14/2020
3. Webinar on ICT enhanced Teaching & Learning 2.0, MGIT, Hyderabad, 8-08-2020 to 9-08-2020
4. Webinar on IEEE webinar on Robotics and Artificial Intelligence: Challenges and Perspectives, St.Joseph College of Engineering,Chennai, 8/7/2020
5. IEEE webinar on Cyber Security Challenges and Opportunities for Autonomous Vehicles , St.Joseph College of Engineering,Chennai, 8/6/2020
6. Webinar on Signal processing and Image Processing in MATLAB, St.Joseph College of Engineering,Chennai, 8/5/2020
7. Course on Learn to Design your own Solar Home System, Energy Swaraj Foundation, 8/2/2020
8. Webinar on Power System Scenario MGIT, Hyderabad
9. Webinar on Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids, MGIT, Hyderabad, 7/28/2020
10. Webinar on Hands-on working with E-Tap. Modules: Draw SLD, Load Flow and Fault Current Study, MGIT, Hyderabad, 7/26/2020
11. Webinar on Woman Empowerment-Utilize Your Strength St.Joseph College of Engineering, Chennai, 7/23/2020
12. Webinar on Energy Access and women's Empowerment, St.Joseph College of Engineering, Chennai, 7/21/2020
13. Webinar on Electrical Maintenance in Heavy Manufacturing Industries, MGIT, Hyderabad, 7/17/2020
14. Webinar on Outcome Based Education, Vmedulife Software Services,



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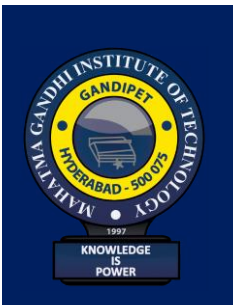
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7/16/2020

15. Webinar on Best Practices in Design and Installation of Solar PV Systems, MGIT, Hyderabad, 7/15/2020
16. Webinar on Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids, MGIT, Hyderabad, 7/13/2020
17. Webinar on Modelling and Simulation of Renewable Energy and Electric Vehicle System, Kumaraguru college of Technology, Coimbatore, 7/7/2020
18. Webinar on Superconductivity and its Applications, MGIT, Hyderabad, 7/4/2020
19. Webinar on Magnetic Levitation and High Speed Trains, MGIT, Hyd, 7/1/2020
20. Webinar on “True potential of Green building” Ramco Institute of Technology, Rajapalayam, 01-06-2020
21. Webinar on "Machine Learning & it's Applications in Electrical Engineering" a conducted by VNRVJIET, Hyderabad, 30-05-2020
22. Webinar on "Intelligent Control Systems" at New Horizon college of Engineering, Bangalore , 29-05-2020
23. Webinar on “Resonant Converters and their Applications in EV Charging” at VNRVJIET, Hyderabad, 29-05-2020
24. Webinar on “Artificial Intelligence & Applications in Electrical Distribution System” at VNRVJIET, Hyderabad, 28-05-2020
25. Webinar on "Education 4.0-Season II" at IQAC, Atharva College of Engineering, Mumbai 28-05-2020 to 30-05-2020
26. IEEE Webinar on How to Incorporate STEM in the class room virtual event, May 2020
27. IEEE Webinar on Try Engineering Live: Engineer Spot light May-2020
28. Webinar on “Medical Drives” Conducted by Rajarajeswari College of Engineering, Bangalore, 16-05-2020
29. Course on Power System Generation Offered by Tata Steel under capability Development, 06-05-2020
30. Course on Power System power cables Offered by Tata Steel under capability Development, 06-05-2020
31. Course on Transformers Offered by Tata Steel under capability Development on 05-05-2020
32. Course on Power System power Earthing Offered by Tata Steel under capability Development on 04-05-2020
33. Workshop on “Education 4.0” IQAC, Atharva College of Engineering, Mumbai, 28-04-2020 to 30-04-2020
34. Course on “Induction Motors” Offered by Tata Steel under capability Development, 22-04-2020
35. A NPTEL Course on “Fundamentals of Electric Drives”(one week FDP Course) July-Sept, 2019 (8 Weeks)

online Certifications:

1. E-learning program on “Power Systems Earthing” on 23rd Apr 2020 organized by Capability Development, TATA Steel
2. E-learning program on “Power Systems Protection” on 21st Apr 2020 organized by Capability Development, TATA Steel
3. NPTEL Course on “Fundamentals of Electric Drives” from July to September 2019 (8 Weeks) organized by NPTEL – AICTE, sponsored by Ministry of HRD, Govt. of India
4. NPTEL online certification course on “Advance Power Electronics and control” , Jan-Mar, 2019 organized by IIT, Roorkee, sponsored by Ministry of HRD, Govt. of India



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