

Personal Information

Name	Mr. Morri Prashanth
Years of Experience	Teaching: 10 years 1 month Research: 03 years 6 months
Email Id	prashanth.m@bvrithyderabad.edu.in
Areas of Specialization	Power Electronics and Drives
CN ID	PM1063



Educational Qualifications

Doctoral Degree	Ph.D	Power Electronics and Drives, Pursuing in NIT Warangal
PG Degree	M.Tech	Power Electronics, JNTUH
UG Degree	B.Tech	Electrical & Electronics Engineering, JNTUH

Papers Published

International Conference Publications:

1. Kumar, V.; Aniteja Reddy, Y.M.; Meghana, P.; **Prashanth, M.**; Srilakshmi, J.; Chenchireddy, K. “Grid-Connected Inverter Fed from PV Array”, International Conference on Computing Methodologies and Communication (ICCMC) 2023, 23-25 February 2023. (Indexed in SCOPUS).
2. **M Prashanth**, D Raveendhra, AV Giridhar, B. L Narasimha Raju, “DC-Link Current Ripple Reduction in Switched Reluctance Machine Drives”, 2nd International Conference on Sustainable Energy and Future Electric transportation (SEFET) 2022, 10th October 2022. (Indexed in SCOPUS).
3. **M Prashanth**, D Raveendhra, AV Giridhar, B. L Narasimha Raju, “Switched Reluctance Machine Drive Analysis with Fault-Tolerant Power Converter”, 2nd International Conference on Sustainable Energy and Future Electric transportation (SEFET) 2022, 10th October 2022. (Indexed in SCOPUS).
4. Dogga Raveendhra, **M Prashanth**, K Sudha, “Effects of Common Mode Voltage in ZSI based Induction Motor Drive for EV applications”, 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, 10-11 December 2021.
5. Dogga Raveendhra, K Sudha, **M Prashanth**, “Single Stage Power Conditioning Unit for Battery Assisted, Solar Powered Remote Area Power Supply”, 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, 10-11 December 2021.
6. Jonnalagadda Santhosh, Anil Kumar Rajagiri, **Prashanth Morri**, “Battery, Ultra-capacitor based Hybrid Energy Storage System (HESS) for EV applications with PI and Fuzzy logic

controllers”, 3rd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2021), 07th October 2021.

7. **Prashanth.M**, N. Patil, “Implementation of a secure and efficient routing algorithm for vehicular ad hoc networks” Proceedings of International Conference on ICACCP 2017, Volume 1.

FDP's Attended:

1. Participated in FDP on Sustainable Energy Solutions in Electric Vehicles using Artificial Intelligence & Machine Learning from 6-10 January 2024 at GRIET.
2. Participated in FDP on Smart Mobility: The Future of Autonomous Electric Vehicles from 11-16 November 2024 at BVRIT Hyderabad College of Engineering for Women.
3. Participated in FDP on A Deep Dive into Artificial Intelligence and its Application workflows using MATLAB from 15-19 July 2024 at Bharati Vidyapeeth.
4. Completed FDP NPTEL Course on Introduction to Machine Learning during Jul-Oct 2024 conducted by IIT Madras.
5. Completed FDP NPTEL Course on Reinforcement Learning during Jul-Oct 2024 conducted by IIT Madras.
6. Completed FDP NPTEL Course on Data Analytics with Python during Jan-Apr 2024 conducted by IIT Roorkee.
7. Completed FDP NPTEL Course on Deep Learning during Jan-Apr 2024 conducted by IIT Kharagpur.
8. Completed FDP NPTEL Course on Machine Learning for Engineering and Science Applications during Jan-Apr 2024 conducted by IIT Madras.
9. Participated in FDP on Advancing Power Grid Operations: Integrating Renewable Sources and EVs at scale from 20-24 May 2024 at SR University.
10. Participated in FDP on Navigating the Future with Green Energy Resources, Smart Grid Technologies & Emission Free Vehicle Infrastructure from 22-27 April 2024 at VIT Bhimavaram.
11. Participated in Expert Talk on A Masterclass in Technical Writing from 04-08 March 2024 at OPJU.
12. Participated in GIAN Course on Medium Voltage Multilevel Inverters for High Power Industrial Drives for Manufacturing and Solar Generation Applications from 08-12 May 2023 at NITW.
13. Participated in ATAL FDP on Power Electronics, Energy Storage and Renewable Technologies (PEESRT) for E-Transportation in India (Advanced) from 06-11 March 2023 & 14-18 March 2023 at GRIET Hyderabad.
14. Participated in FDP on Higher Education Institution's Preparedness for Implementation of National Educational Policy-2020(NEP-2020) from 03-04 Feb 2023 at GRIET.
15. Participated in ATAL FDP on Power Electronics, Energy Storage and Renewable Technologies (PEESRT) for E-Transportation in India from 13-18 Feb 2023 & 21-25 Feb 2023 at GRIET Hyderabad.

16. Participated in FDP on Power Electronics for Electric Vehicles and Renewable Energy Systems from 16-24 March 2022 at NITW.
17. Participated in FDP on Application of Power Electronics in Electric Vehicles and Energy Storage from 14-22 Feb 2022 at NITW, NITK.
18. Participated in FDP on Modeling, Simulation and Control of Advanced Power Converters from 28 Mar – 06 Apr 2022 at NITW, GRIET Hyderabad.
19. Participated in FDP on Potential Research Conversion Technologies and Applications from 06-10 Dec 2021 at VIT, NITW.
20. Participated in Workshop on Intellectual Property Rights-Best Practices and Procedures for obtaining a Patent in India on 19 Nov 2021 at CII, GRIET Hyderabad.
21. Participated in Workshop on Automotive Technology for a Sustainable Future from 05-10 Oct 2020 at GRIET, Hyderabad.
22. Participated in Workshop on AI, ML, IOT & BDA in Power Electronics and Its Allied Areas from 01-06 Jun 2020 at GRIET, Hyderabad.
23. Participated in Workshop on Artificial Intelligence & Machine Learning from 25-29 May 2020 at VIT, Chittoor.
24. Participated in Workshop on Modern Trends in Electrical Drives from 19-23 May 2020 at NIT, Nagpur.
25. Participated in Swayam Course on Digital Transformation in Teaching Learning Process (Swayam) from 20 Jan – 28 Feb 2020 at GRIET, Hyderabad.
26. Participated in Workshop on Evaluating Student Performance and Designing Question Papers from 25 Feb – 01 Mar 2019 at NITTTR, KOLKATA.
27. Participated in Workshop on Indian Electricity Rule and Code Of Practices from 26-30 Nov 2018 at NITTTR, KOLKATA.
28. Participated in Workshop on Foundation Program in ICT for Education (FDP101x) from 08 Mar – 17 Apr 2018 at IITB, GRIET.
29. Attended a seminar on Integration of renewable energy and balancing power on 29-Dec 2017 at Institution of Engineers, Hyderabad.
30. Participated in Workshop on Effective Teaching and Learning Of SMARTGRID & MICROGRID Technologies from 04-08 Dec 2017 at NIT Warangal.
31. Participated in Workshop on Two Week ISTE STTP on Electric Power System from 12-15 Jun 2017 at IITK, GRIET.
32. Participated in Workshop on human values and professional ethics from 04-05 Mar 2016 at GRIET, Hyderabad.
33. Participated in Workshop on TI C2000 MUC for Real-Time Control Applications, PSIM&CYME, VISSIM from 11-12 Aug 2015 at GRIET, Hyderabad.

Research Interests:

- Modeling and Control of Power Electronic Converters
- Dynamic Modeling and Control of Electric Motor Drives.
- Drives Applications in Electric and Hybrid Vehicles.
- ANN Applications in Electric Motor Drives.

Technical Skills:

- Programming/Data analysis tools: MATLAB, Arduino, CCS.
- Simulation: MATLAB/Simulink, LabVIEW.
- Controllers: Arduino, ESP32, DAQ Assistant, DSP Controller.
- Documentation: LaTeX, MS Word.

Online Course Certifications:

- Certified 3 NPTEL, 1 SWAYAM, 3 Coursera Courses.
- Certified 5 NPTEL CSE Courses with 15 Credits.

Achievements

- GATE Exam Qualified (2011 and 2012).
- Received Letter of Appreciation for various Activities (ICT tool,100% Pass, ARIIA and CII survey Ranking Team) from GRIET.

Professional Memberships:

- Member of IEEE