

### *Personal Information*

Name	Mr. Morri Prashanth
Years of Experience	Teaching: 09 years 9 months Research: 03 years
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. **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, 10<sup>th</sup> October 2022. (Indexed in SCOPUS).
2. **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, 10<sup>th</sup> October 2022. (Indexed in SCOPUS).
3. Dogga Raveendhra, **M Prashanth**, K Sudha, “Effects of Common Mode Voltage in ZSI based Induction Motor Drive for EV applications”, 3<sup>rd</sup> International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, 10-11 December 2021.
4. Dogga Raveendhra, K Sudha, **M Prashanth**, “Single Stage Power Conditioning Unit for Battery Assisted, Solar Powered Remote Area Power Supply”, 3<sup>rd</sup> International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, 10-11 December 2021.
5. 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”, 3<sup>rd</sup> International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2021), 07<sup>th</sup> October 2021.

6. **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. Completed FDP NPTEL Course on Data Analytics with Python during Jan-Apr 2024 conducted by IIT Roorkee.
2. Completed FDP NPTEL Course on Deep Learning during Jan-Apr 2024 conducted by IIT Kharagpur.
3. Completed FDP NPTEL Course on Machine Learning for Engineering and Science Applications during Jan-Apr 2024 conducted by IIT Madras.
4. Participated in FDP on Advancing Power Grid Operations: Integrating Renewable Sources and EVs at scale from 20-24 May 2024 at SR University.
5. 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.
6. Participated in Expert Talk on A Masterclass in Technical Writing from 04-08 March 2024 at OPJU.
7. 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.
8. 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.
9. 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.
10. 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.
11. Participated in FDP on Power Electronics for Electric Vehicles and Renewable Energy Systems from 16-24 March 2022 at NITW.
12. Participated in FDP on Application of Power Electronics in Electric Vehicles and Energy Storage from 14-22 Feb 2022 at NITW, NITK.
13. Participated in FDP on Modeling, Simulation and Control of Advanced Power Converters from 28 Mar – 06 Apr 2022 at NITW, GRIET Hyderabad.
14. Participated in FDP on Potential Research Conversion Technologies and Applications from 06-10 Dec 2021 at VIT, NITW.
15. 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.
16. Participated in Workshop on Automotive Technology for a Sustainable Future from 05-10 Oct 2020 at GRIET, Hyderabad.

17. Participated in Workshop on AI, ML, IOT & BDA in Power Electronics and Its Allied Areas from 01-06 Jun 2020 at GRIET, Hyderabad.
18. Participated in Workshop on Artificial Intelligence & Machine Learning from 25-29 May 2020 at VIT, Chittoor.
19. Participated in Workshop on Modern Trends in Electrical Drives from 19-23 May 2020 at NIT, Nagpur.
20. Participated in Swayam Course on Digital Transformation in Teaching Learning Process (Swayam) from 20 Jan – 28 Feb 2020 at GRIET, Hyderabad.
21. Participated in Workshop on Evaluating Student Performance and Designing Question Papers from 25 Feb – 01 Mar 2019 at NITTTR, KOLKATA.
22. Participated in Workshop on Indian Electricity Rule and Code Of Practices from 26-30 Nov 2018 at NITTTR, KOLKATA.
23. Participated in Workshop on Foundation Program in ICT for Education (FDP101x) from 08 Mar – 17 Apr 2018 at IITB, GRIET.
24. Attended a seminar on Integration of renewable energy and balancing power on 29-Dec 2017 at Institution of Engineers, Hyderabad.
25. Participated in Workshop on Effective Teaching and Learning Of SMARTGRID & MICROGRID Technologies from 04-08 Dec 2017 at NIT Warangal.
26. Participated in Workshop on Two Week ISTE STTP on Electric Power System from 12-15 Jun 2017 at IITK, GRIET.
27. Participated in Workshop on human values and professional ethics from 04-05 Mar 2016 at GRIET, Hyderabad.
28. 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 3 NPTEL CSE Courses with 12 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