

P. Pradyumna

Assistant Professor



Education Qualifications: Master of Technology
Specialization: Micro Electronics & Control Systems

ADDRESS:

- E – Block -603

JNTUH ID:

62150406-134814

EMAIL:

ppradyumna_eee@mgit.ac.in

DATE OF JOINING:

20-05-2005

EXPERIENCE - 21 Years

- Teaching - 18
- Research -
- Industry -3
- Others –

SUMMARY:

- Publications - 6
- Conferences - 5
- Patents – 0
- Books – 0
- Honors/Awards - 0

EVENTS:

- Organized - 2
- Attended - 49

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/pooskuru/>
- <https://www.instagram.com/pooskuru/>
- <https://twitter.com/pooskuru>

Membership of Professional Bodies:

1. Member of the Institution of Engineers India (MIE) M-1718163.
2. Member of the International Association of Engineers (MIAENG) M-281018

Responsibilities Held at Institution Level:

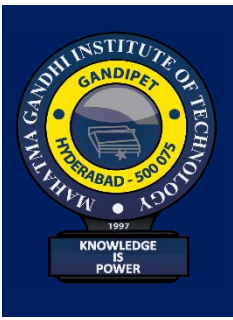
1. Convenor, Disciplinary Committee
2. Co-Convenor, Anti-Ragging Committee
3. Coordinator, Drama Club (Spotlight)
4. In-charge Head of the Department (Sep 2006 – Feb 2008)
5. In-charge, Electrical Maintenance (Nov 2009 – Dec 2012)
6. Member, Canteen Committee (2006-2010)
7. Convenor, Nirvana (2009, 2010, 2016, 2017, 2019, 2020)
8. Co-Convenor, Nirvana (2011, 2013)
9. Coordinator, Arts Club (2017-19)

Responsibilities Held at Department Level:

1. Lab In-charge, Control Systems Lab (2012 – till date)
2. In-charge, Dept Tours and Visits
3. In-charge, Dept Time Tables (2015-18)
4. Class In-charge, EEE-1 (2017-21 Batch)
5. Class In-charge, EEE-1 (2012-16 Batch)
6. Class In-charge, EEE (2008-12 Batch)
7. In-charge, Dept. Library (2005-2006)
8. Project Coordinator (Several Batches)
9. Seminar Coordinator (Several Batches)
10. Mini Project Coordinator (Several Batches)
11. Convenor, Potenza 2007

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Basic Electrical Engineering, Electrical Machines-I, Control Systems, Linear Systems Analysis, Non Conventional Energy Sources, Micro Processors & Control Systems, Utilization of Electrical Energy, VLSI Design, Embedded Systems, Fuzzy Logic Control, Electrical Engineering (MCT, MME), Electrical Technology (CSE, ECE)
- **PG:** Modern Control Theory, Digital Control Systems, Research Methodology & IPR

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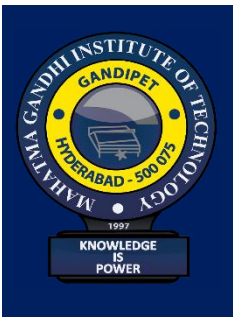
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Publications:

1. K. Surya Vamshi, **P. Pradyumna** “A Hybrid Electric Vehicle Powered by SRM Drive and featuring a Reduced Switch Converter” Journal of Engineering Sciences, Vol 13, Issue 03, MARCH /2022, ISSN NO:0377-9254
2. **P. Pradyumna**, “Converter Topologies for Switched Reluctance Motors for Electric Vehicle Application” International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) Volume 10, Issue 6, June 2021 e-ISSN: 2319-8753, p-ISSN: 2320-6710
3. **P. Pradyumna** “Speed Control of Induction Motor using PID Controller” Compliance Engineering Journal Volume 12, Issue 6, 2021 ISSN NO:0898-3577
4. **P. Pradyumna** “Seamless Operation of Microgrid Using BESS During Transition Between Grid-Connected and Islanding Modes” Alochana Chakra Journal, Vol IX, Issue VI, June 2020 ISSN 2231-3990
5. **P. Pradyumna** “Digital Control Strategy for Four Quadrant Operation of BLDC Motor Using Hall Effect Sensors”, AEGAEUM Journal, Volume 8, Issue 6, June 2020 ISSN 0776-3808
6. G. Pranay Kumar, **P. Pradyumna**, “Control Strategy for Four Quadrant Operation of Modular Brushless DC Motor Drive Using Hall Effect Sensors”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 3, Issue 12, December 2014 ISSN (Print) : 2320 – 3765,

Conferences:

1. **P. Pradyumna**, A. Ramchandra Reddy, S. Abhishek Reddy: A Study of Distributed Systems with Wind Power and Energy Storage, National Conference on Recent Trends in Electrical Engineering (RTEE) 28th & 29th Feb 2020 ISSN : 978-93-88808-57-6
2. S. Abhishek Reddy, **P. Pradyumna**, A. Ramchandra Reddy : Mitigation of Switching Over voltages in UHVAC System, National Conference on Recent Trends in Electrical Engineering (RTEE) 28th & 29th Feb 2020 ISSN : 978-93-88808-57-6
3. A. Ramchandra Reddy, S. Abhishek Reddy, **P. Pradyumna** : Rate of Risk Of Failure of 765kv Transmission Line Due To Energization and Re-Energization Over Voltages, National Conference on Recent Trends in Electrical Engineering (RTEE) 28th & 29th Feb 2020 ISSN : 978-93-88808-57-6
4. **P. Pradyumna**, Dr. P. Chandrasekhar “Energy Storage Techniques for Grid Integration of Intermittent” International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 NATIONAL CONFERENCE on Developments, Advances & Trends in Engineering Sciences (NCDATES- 09th & 10th January 2015)
5. **P. Pradyumna**, Dr. P. Chandrasekhar & S. Abhishek Reddy “Review of Electrical Energy Storage Techniques for Renewable Integration” Parivrita, National Conference on Sustainability Energy and Environment 2013 at CBIT, Hyderabad

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Events Organized:**FDPs/STTPs:**

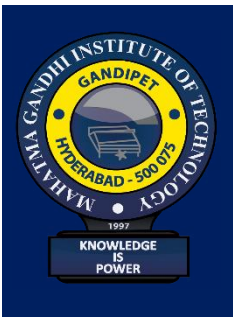
1. Two Day Online Faculty Development Program on Intellectual Property Rights and Patent Filing, 11 & 12 September 2020

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

1. Recent trends in Power Management strategies for Optimal Operation of Distributed Energy Sources in Microgrids, 28-07-2020

Events Attended**FDPs/STTPs:**

1. Recent Advances in Electrical Engineering, 21-25 March 2022, GATES Institute of Technology, Gooty
2. One Week AICTE-ISTE Induction Program on “Introduction to Electrical Vehicles” 14-21 March 2022, St Vincent Pallotti College of Engineering & Technology, Nagpur
3. Innovation Incubation Startups & Research Challenges in India, 07 to 11 Jun 2021, IECW, Salem
4. Outcome Based Education, 4 to 6 Nov 2020, Inpods India, Pune
5. Role of Mathematics to Core Engineering Sciences, 12 to 16 Oct 2020, MGIT, Hyderabad
6. Swatchata Action Plan and Role of HEIs, 8 to 10 Oct 2020, MGIT and MGNRE
7. Outcome Based Education and Accreditation, 05 to 09 Oct 2020, ISTE TS Centre Hyderabad
8. Machine Learning and Deep Learning for Real Time Applications, 10 to 18 Aug 2020, NIT Warangal
9. Recent Advances in Renewable Energy and Energy Efficient Technologies, 21 to 25 July 2020, MGIT Hyderabad
10. Controller Hardware in Loop Simulation : Tool for future Electrical Engineers, 24 July 2020, MGIT
11. Real time Aspects of Power Systems Scenario, 06 to 10 July 2020, MGIT
12. Two-Day Online FDP on “Effective Technical Report Writing Using LaTeX”, 8th - 9th June 2020, MGIT in association with Swecha
13. “Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles”, 01-06-2020 – 05-06-2020, BEC, Bapatla
14. FDP on SCILAB, 25 to 30 May 2020, JNTUHCES
15. 1 Week FDP on Research Opportunities in Electrical Engineering 18-05-2020 to 23-05-2020, PSR Engineering College, Sivakasi
16. 1 Week AICTE Margadarshan on "Art of Writing Papers and Research Methodologies", 07-05-2020 to 13-05-2020, GRIET
17. Digital Image Processing Using MATLAB, 24-04-2020 to 28-04-2020, Skill to Hire



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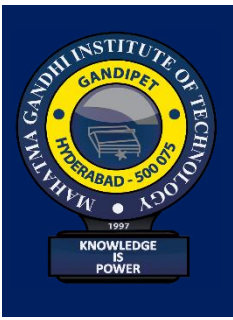
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Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. One Week AICTE-ISTE Sponsored Induction / Refresher Programme on “The Role of Technical Institutions in Promoting Innovation in Skill Development, Employability and Entrepreneurship” 9-15 March 2022 by SDM College of Engineering and Technology, Dharwad
2. One week AICTE-ISTE Sponsored Refresher Program on “Real Time Aspects of Industrial Automation – Need of the Hour” 3-8 January 2022, G Pulla Reddy College of Engineering, Kurnool
3. Electrical Vehicle Technology, 29-05-2021, Mohammed Sathak College
4. Smart Grid Automation, 06-10-2020, VJIT
5. National Educational Policy, 26-09-2020, MGIT
6. Power Electronics and its Impact on Society, 30-09-2020, Raj Kumar Goel College, Ghaziabad
7. Role of Polymer Nanotechnology in Energy Harvesting and Storage, 16-09-2020, Velammal College, Madurai
8. Literacy in New Education Policy 2020, 08-09-2020, NITTR Chandigarh & NIT Kurukshetra
9. Solutions to Challenges in Electric Vehicles, 14-08-2020, MGIT
10. Power System Scenario, 29-07-2020, MGIT
11. Hands on Working with e-tap modules : Draw SLD, Load Flow and Fault Current Study, 26-07-2020, MGIT
12. Electrical Maintenance in Heavy Manufacturing Industries, 17-07-2020, MGIT
13. Best Practices in Design and Installation of Solar PV Systems, 15-07-2020, MGIT
14. Modelling of correlated uncertainties in Optimal Operation of Islanded Microgrids, 13-07-2020, MGIT
15. Superconductivity and its Applications, 04-07-2020, MGIT
16. Energy Conservation and Auditing, 02-07-2020, MGIT
17. Magnetic Levitation and High Speed Trains, 01-07-2020, MGIT
18. Machine Learning and it's Applications in Electrical Engineering, 30-05-2020, VNRVJIET
19. Resonant Converters and their Applications in EV Charging, 29-05-2020, VNRVJIET
20. “Artificial Intelligence & Applications in Electrical Distribution System, 28-05-2020, VNRVJIET
21. Webinar on "Medical Drives", 16-05-2020, Rajarajeswari College of Engineering, Bengaluru
22. Webinar on Research Workflows, Research Metrics & Excellence in Academic Institutes" 12-05-2020, Elsevier and AICTE



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23. Improving Outcomes & Getting Global Perspective, 28-04-2020, Bright Talk Webinar – Scopus
24. 2 Days Teaching Learning Workshop, 24-25 April 2020, JNTUH-HRDC Integrating Scopus APIs into your everyday workflow, 21-04-2020, Bright Talk Webinar
25. Time Management, 17-04-2020, NPTEL New Lecture Series
26. Enhancing Research Visibility to improving Ranking, 16-04-2020, Elsevier, Bright Talk Summit
27. IEEE Standards impact on future connectivity technologies, Srikanth Chandrashekar, 13-04-2020, IEEE Hyderabad Section
28. Recent Challenges in Electrical Engineering by Sri B. Koti Reddy, Scientific Officer, HWP, DAE, GoI, 11-04-2020, IEEE Hyderabad Section
29. Refresher Course on Soft Skills for Professional Excellence from November 30 to December 19 2015 at UGC- HRDC, JNTUH
30. 3 week Summer School on “Strategies for Research Oriented Teaching” at UGC ASC JNTUH from 19th May to 7th June 2014
31. 3 Week Refresher Course in “Environmental Studies (Interdisciplinary)” conducted by the UGC – ASC, University of Calicut from 05-06-2013 to 25-06-2013
32. 20th Orientation Course o UGC-ASC, JNTUH, from 25-04-2011 to 21-05-2011

Online Certifications:

1. Coursera Course on “Solar Energy and Electrical System Design”, 7-10-2021, University of Buffalo
2. Coursera Course on “Linear Circuits 1 : DC Circuits”, 20-06-2020, Georgia Institute of Technology
3. Coursera Course on “Electrical Power Systems”, 31-05-2020, State University of New York, Buffalo
4. Capability Development Course on “Instrumentation & Control”, 28-05-2020, Tata Steel
5. Capability Development Course on “PLC’s”, 28-05-2020, Tata Steel
6. Capability Development Course on “Power Systems Earthing”, 28-05-2020, Tata Steel
7. Capability Development Course on “Transformers”, 28-05-2020, Tata Steel