

# Mrs. Swati Paliwal

## Assistant Professor



**Education Qualifications:** M.Tech (Electrical and Electronics Engineering)  
(Ph. D Pursuing)

**Specialization:** Power System

### ADDRESS:

- E – Block -Room No: 605

### JNTUH ID:

2986-170914-154133

### EMAIL

Swatipaliwal\_eee@mgit.ac.in

### DATE OF JOINING:

07-08-2018

EXPERIENCE – 6.5 Years

### SUMMARY:

- Publications - 02
- Conferences - 08
- Honors/Awards - 1

### EVENTS:

- Attended - 40

### Membership of Professional Bodies:

1. International Association of Engineers (IAENG)

### Responsibilities Held at Department Level:

1. Mentoring and Monitoring Committee

### Honors/Awards Received:

1. Gold Medalist in M.Tech Academics.

### Courses Handled at Under Graduate /Post Graduate Level:

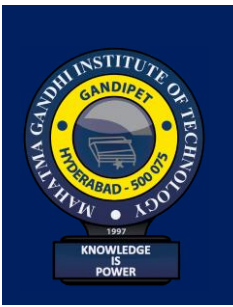
- **UG:** Electrical Distribution System, High Voltage DC transmission and FACTS, Basic Electrical Engineering, Non-Conventional Power Generation.
- **PG:** Power Electronics in Renewable Energy Sources, SCADA, High Voltage DC transmission

### Publications:

1. Swati Paliwal, S.K Sinha, Y.K Chauhan, “Gravitational search algorithm-based optimization technique for enhancing the performance of Self excited induction generator”, International journal of system assurance engineering and management; volume 10, issue 5, pp. 1082-1090, October 2019.
2. Swati Paliwal, “GPS interfacing of Banediya feeder (M.P) using MI power software” International journal of advanced research in electrical electronics and instrumentation engineering, volume 3, Issue 7, July 2014.

### Conferences:

1. Swati Paliwal, S.K Sinha, Y.K Chauhan, “Frequency control of 5kW Self-Excited Induction Generator using Gravitational Search Algorithm and Genetic Algorithm” AI and IOT in Renewable Energy, International conference in Electrical and Electronics engineering (ICEEE 2021) Springer.
2. Swati Paliwal, S.K Sinha, Y.K Chauhan, “Performance optimization of self-excited induction generator: A state of art”, International Conference on Recent development in control, automation and power engineering Amity University in October 2017.
3. Swati Paliwal, Piyush Sharma, A.K Sharma, “Dynamic Stability Enhancement using intelligent Power system Stabilizer”, Advanced intelligent and soft computing (AISC) series of springer 2014.
4. Swati Paliwal, “Dynamic Stability Enhancement of Power System using Intelligent PID PSO based Optimization”, Symposium Space 2014 in Amity University, Noida 2014.
5. Swati Paliwal, “Renewable Energy Potential Assessment in Indian Perspective”, International Conference on Advances in Mechanical, Automobile and Aerospace Engineering (AMAAE-2013) at Jawaharlal Nehru University, Vol 6, number 6, ISSN 0974-3154,2013.



6. Swati Paliwal, "Analysis of 11kv feeder during different load conditions using MI power, National conference on Recent trends in Electrical Engineering MGIT, Hyderabad, feb 2020 ISBN- 978-93-88808-57-6.
7. Swati Paliwal, "Feeder Analysis with GPS interfacing using Mi power", National conference on emerging trends for sustainable development in engineering and technology, January 2014.
8. Swati Paliwal, "Power Quality Improvement using Different Controllers used in DVR System" published in National Conference on Recent Development in Control, Automation and Power Engineering Amity University, Noida 2013.

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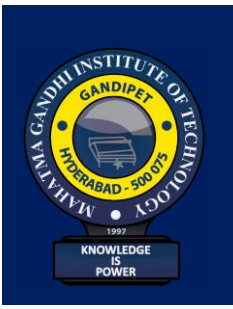
**Events Attended:**

**FDPs/STTPs:**

1. Establishment and Management Incubators, ni-msme (Ministry of MSME), 10 March -12 March 2022
2. Innovation and Experimental Learning Effectiveness, Aravali Institute of technical studies, 7 feb 2022 to 11 feb 2022
3. Emerging techniques in Modern Power system, S. S Engineering college, Udaipur, Rajasthan, 31 Janurary to 4 Feb 2022
4. Materials for photonic materials, MGIT, 9-13 Aug 2021
5. Green Technology for sustainable life: Indian Perspective, AICTE-ATAL-FDP, NIT- Silchar, Assam, 19 July to 23 July 2021
6. Recent trends in Electric Vehicles, NIT-Arunachal Pradesh, 5July to 9 July 2021
7. Modern Trends in Power Electronics and their Applications" MTPETA-2021, VJIT, 28 June to 02July 2021
8. Artificial intelligence and green power technology, AICTE-ATAL-FDP, KNIT, Sultanpur, 14-18 June 2021.
9. Energy Engineering, AICTE-ATAL-FDP, NIT-Silcher, 226-30sept, 2020.
10. Advances in Renewable Energy and Smart Grid Integration, Amity University, Noida, 31st May 2021-04th Jun 2021.
11. Technological Advances in Power switching converters in Renewable Energy sources and fuel cell technology for EV, Bapatata Engineering college, 1 june -5 th June 2020
12. Real Time Aspects of Power System Scenario" 6<sup>th</sup> July-10<sup>th</sup> July 2020.
13. Controller Hardware-in-the-Loop Simulation: Tool for Future Electrical Engineers, MGIT, 24<sup>th</sup> July 2020.
14. Renewable energy development in deregulated power market- Future scenario, Jayamukhi institute of technological sciences, 7<sup>th</sup> sept -12 th sept. 2020.
15. Swachhta Action Plan (SAP), MGIT, 8-10<sup>TH</sup> Oct. 2020.

**STTPs**

1. Solar training program, Advit foundation, 9 Aug to 5 sept 2021.
2. Solar Photovoltaic System Design, Solar Energy Division, Sardar Patel Renewable Energy Research Institute, Vallabh Vidyanagar, Anand, 01-03-2021 to 02-03-2021.
3. Trends and challenges of hybrid electric drives utilities in transport sector, CBIT, 22 feb -27 feb 2021.



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**Workshops**

1. Accelerate Research, Anurag university, 22 to 26 sept. 2020.

**Webinars**

1. Gender Equality today for sustainable tomorrow, MGIT, 8<sup>th</sup> March 2022.
2. Systematic relationship of power converter topologies through graph theory, IEEE Power Electronic society (PELS), 3 Aug 2021.
3. Adaptive EMC design for wide bandgap power converters in aviation applications, IEEE Power Electronic society (PELS), 21 July 2021.
4. Testing Inverters using Electric motors Emulators: Benefits and challenges, IEEE Power Electronic society (PELS), 29 June 2021.
5. Megger Sverker- Substation Testing toolbox, MEGGER, India, 24<sup>th</sup> March 2021.
6. The Transformer Test VAN- Megger Innovation, MEGGER, India, 22<sup>nd</sup> March 2021.
7. SEBI initiated Investor Awareness program, MGIT, 14<sup>th</sup> March 2021.
8. CHOOSE TO CHALLENGE, MGIT, 8<sup>th</sup> March 2021.
9. Magnetic Levitation and HighSpeed Trains, MGIT, 01-07-2020.
10. Energy Conservation and Auditing, MGIT, 07-07-2020.
11. "Hands-on working with E-Tap. Modules: Draw SLD, Load Flow and Fault Current study, MGIT, 26-07-2020.
12. Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids, MGIT, 28-07-2020.
13. Electrical maintenance in heavy manufacturing industry, MGIT, 17-07-2020.
14. Power Scenario, MGIT, 28-07-2020.
15. Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids, MGIT, 13-07-2020
16. Superconductivity and its Applications", MGIT, 04-07-2020.
17. "Solutions to the challenges in Electric Vehicle", MGIT, 14<sup>th</sup> Aug, 2020.
18. Power Electronics and its impact on society, RKGIT, Ghaziabad, 30<sup>th</sup> September, 2020.

**Guest Lecture:**

1. Advances on High power, Energy density material for Electric vehicles, Amity University Noida, 1 Feb 2022.

**Online Certifications:**

1. Learn to design your own Solar home system, Energy swaraj Foundation, Energy Literacy, 5<sup>th</sup> August 2020.