

# Dr.M.NALINI DEVI



Education Qualification: M.Tech (PE), PhD (EE)  
Specialization: Power Electronics and Drives

## ADDRESS:

- E – Block -Room No-605

## JNTUH ID:

01150407-090524

## EMAIL:

mnalinidevi\_eee@mgit.ac.in

## DATE OF JOINING:

10-07-2006

## EXPERIENCE

- Teaching - 17

## SUMMARY:

- Publications - 09
- Conferences - 3
- Patents – 2
- Honors/Awards -2

## EVENTS:

- Organized - 1
- Attended - 30

## Membership of Professional Bodies:

1. Society For Learning Technologies, Life Member
2. Indian Red Cross Society, Life Member
3. ISTE

## Responsibilities Held at Institution Level:

1. Anti-ragging duties, Campus Monitoring duties

## Responsibilities Held at Department Level:

1. Mentor, Lab In charge

## Honors/Awards Received:

1. “Women Researcher Award” organized by IJIEMR-ELSEVIER SSRN RESEARCH AWARDS 2021 held on 08th Aug, 2021 at Vijayawada.

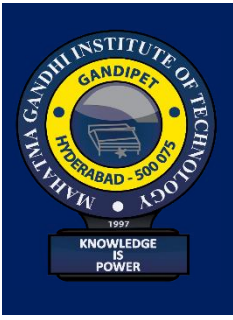
## Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** ESA, HVE, BEE, BEEE, UEE, EE, EMS,EMI, EM-1
- **PG:** MMA, DOEM

## Publications:

1. “Three level cascaded inverter with simplified scalar PWM algorithm” published in International Journal for Innovative Engineering and Management Research, Volume 10, Issue 08, Pages: 103-108, Aug 2021,ISSN 2456 – 5083 by M.Nalini Devi1 and R.Srinu Naik2.
2. “Generalized Approach for DCPWM Based Dual Inverter Fed OEWIM-DTC Drive” IJRTE, Volume-10,Issue 02, pages:151-157, July 2021, ISSN:2277-3878 By M.Nalini Devi1 and R.Srinu Naik2.
3. “Enhancement of power quality of grid connected wind energy system using STATCOM”,published in Journal of Huazhong University of Science and Technology,vol 50,issue 07,Issn 1671-4512,july 2021,HST-0721-270 by M.Nalini Devi1 and S.Sudharani2.
4. “DESIGN OF A STAND-ALONE PHOTOVOLTAIC SYSTEM USING DC-DC CUK CONVERTER TOPOLOGY”, published in Journal of Huazhong University of Science and Technology,vol 50,issue 06,Issn 1671-4512,june 2021,HST- 0621-532 by M.Nalini Devi1 , S.Sudharani2.
5. “AN EFFICIENT APPROACH IN CONTROLLING POWER GENERATION IN WIND ENERGY CONVERSION SYSTEMS”, published in JOURNAL OF RESOURCE MANAGEMENT AND TECHNOLOGY, Volume 12, Issue I, March 2021, Page No:323-335,ISSN 0745-6999 by M.Nalini Devi1 , S.Sudharani2.
6. “AN EFFICIENT DVR SYSTEM FOR IMPROVEMENT OF POWER QUALITY”, published in International journal of analytical and experimental modal analysis, Volume XIII, Issue II, February 2021, Page No:1894 to 1902 by S.Sudha Rani1, M.Nalini Devi2.
7. “Simulation of Wind Turbine Driven DFIG Using AC-DC-AC Converter”, published in International Journal of Advances in Engineering and Management (IJAEM) Volume-2, Issue-1, Page No.279-284, June-2020 by M.Nalini Devi1 , S.Sudharani2.
8. “Open Loop Volts/Hertz Speed Control of Induction Motor with Voltage Fed Inverter”, published in International Research Journal of Engineering and Technology (IRJET), Volume- 7,Issue- 6, Page

No.4497-4502,June-2020  
by M.Nalini Devi ,  
S.Sudharani2.

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9. “A Review On Mitigation Of Voltage Power Quality Problems By The Dynamic Voltage Restorer”, published in Aegaeum Journal, Volume-8, Issue- 6, Page No.1018-1022, June-2020 by S.Sudha Rani1, M.Nalini Devi2.

**Conferences:**

1. “National Conference on Recent Trends in Electrical Engineering”
2. “Performance Improvement in Direct Torque Controlled Open End Winding Induction Motor Drives Using Fuzzy Controller” in International conference on intelligent systems Electrical and Communication Technology organized by St.Martins Engineering College, Hyderabad on 09/04/2021 and 10/04/2021.

**Patents:**

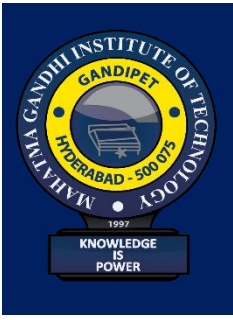
1. Generalized Approach for DCPWM Based Dual Inverter Fed OEWIM-DTC Drive- Patent published on 4th February 2022. Vide Application No. 202241003751A Date on 23/01/22 in journal No. 5/2022
2. Electrical Vehicle Charging Estimation Device Using Machine Learning- Patent published on 24th June 2021. Vide Application No. 2021102771 A Date on 02/09/21 in journal No.35/25

**Events Organized:****Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:**

1. Webinar on “Best Practices in Design and Installation of Solar PV Systems” held on 15-07-2020 organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.

**Events Attended****FDPs/STTPs:**

1. Mitigation of power quality issues in distributed generation systems using custom power devices-I at R.M.D Engineering college, Chennai on 20-07-2020 to 25-07-2020
2. Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector at CBIT, Hyderabad on 03-08-2020 to 08-08-2020
3. Recent Trends and Challenges in Smart Grid Technology Sri Ramakrishna Engineering College, at Coimbatore on 17-08-2020 to 21-08-2020
4. Recent Developments and Entrepreneurship in Sustainable green Energy Technologies and Smart Grids-Series A, BVRIT at Narsapur on 17-08-2020 to 22-08-2020
5. Sustainable Energy Systems Design for Remote village in India at NIT Raipur under TEQIP III on 14-09-2020 to 18-09-2020
6. Mitigation of Power Quality Issues in Distributed Generation Systems using Custom Power Devices at R.M.D. Engineering College, Tamilnadu on 14-09-2020 to 19-09-2020
7. Recent Developments and Entrepreneurship in Sustainable green Energy Technologies and Smart Grids-Series B at BVRIT, Narsapur on 21.09.2020 to 26.09.2020
8. Power Electronics Based Drives & Control at Prof Ram Meghe College of Engineering and Management, Badnera-Amravati, Maharashtra on 01-10-2020 to 06-10-2020.
9. Recent Developments and Entrepreneurship In Sustainable Green Energy Technologies and Smart Grids -Series C at BVRIT, Narsapur

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19.10.2020 to 24.10.2020.

10. Electric vehicle: Technologies, challenges and opportunities for integration of renewable resources in India at R.M.K Engineering college, Chennai on 02-11-2020 to 07-11-2020
11. Recent Developments and Entrepreneurship In Sustainable Green Energy Technologies and Smart Grids- Series D at BVRIT, Narsapur 23.11.2020 to 28.11.2020.
12. Hands on training in Artificial Intelligence and Optimization technique applications for additional lab experiments and mini, major projects for B.Tech Engineering students at VJIT, Hyderabad on 09-11-2020 to 16-11-2020
13. Role of Smart Technology in Maritime Industries at AMET Deemed to be University on 14-12-2020 to 19-12-2020.
14. Hands on training in Artificial Intelligence and Optimization technique applications for additional lab experiments and mini, major projects for B.Tech Engineering students at VJIT, Hyderabad on 7-12-2020 to 12-12-2020.
15. Journey of Self Discovery at Hare Krishna Golden Temple on 26-07-2020
16. Learn to Design your own Solar Home Systems at Energy Swaraj Foundation, Hyderabad on 31-07-2020.
17. Real Time Aspects of Power System Scenario at MGIT, Hyderabad on 6-7-2020 to 10-7-2020.
18. Cyber Security at MGIT & CBIT, Hyderabad on 7-7-2020 to 12-7-2020.
19. Simulation Tools For Power Electronics And Power Systems at Sathyabama Institute Of Science And Technology, Chennai on 13-7-2020 to 18-7-2020.
20. Research Methodology at Balaji Institute of Management Sciences, Warangal on 13-7-2020 to 17-7-2020.
21. Real Time Typhoon HIL Simulation Applications for Power Systems, Power Electronics based RES, Electric Vehicles & Microgrids at Anurag Group of Institutions on 10-08-2020 to 14-08-2020.
22. Industrial and process automation at G. Pulla Reddy Engineering College, Kurnool on 10-08-2020 to 14-08-2020.

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

1. Geospatial Inputs for Enabling Master Plan Formulation at Pillai HOC College of Engineering and Technology, IIRS Outreach Programme on 27-07-2020 to 31-07-2020
2. Basics of remote sensing geographical information system and global navigation satellite system at Pillai HOC College of Engineering and Technology, IIRS Outreach Programme on 17-08-2020 to 20-11-2020.
3. Programming For Everybody organised by Course era authorized by Michigan University on 05-09-2020
4. Renewable Energy and Green Building Entrepreneurship offered through on organised by Course era authorized by Duke University on 02-10-2020.
5. Getting Started with Google Classroom offered Coursera Project Network on 2020-10-02.

**Online Certifications:**

1. NPTEL -AICTE course “Electrical Vehicles”
2. NPTEL -AICTE course” Enhancing Soft Skills and Personality”

