

Mr.H.GURUNATH

Assistant Professor



Education Qualifications: M.Tech (Electrical and Electronics Engineering)

Specialization: Power Electronics and Electrical Drives

ADDRESS:

- E – Block shed Room

JNTUH ID:

8730-161230-125051

EMAIL

hgurunath_eee@mgit.ac.in

DATE OF JOINING:

26-10-2016

EXPERIENCE – 7 Years

INDUSTRY-9 Months

SUMMARY:

- Publications - 03
- Conferences - 03

EVENTS: Attended

- STTP/FDP:15
- WEBINAR:07

Membership of Professional Bodies:

- International Association of Engineers (IAENG)

Responsibilities Held at Department Level:

- Mentoring and Monitoring Committee
- Class In-charge
- Faculty training placement officer
- SPDC coordinator
- PRERANA coordinator

Courses Handled at Under Graduate /Post Graduate Level:

- UG:** Basic Electrical Engineering, Basic Electrical and Electronics Engineering, Energy Sources and Applications, Power Quality, Renewable Energy systems
- PG:** Power Electronics in Renewable Energy Sources, SCADA, Industrial Electrical & Electronics

Publications:

- H.Gurunath,Kasoju Bharath Kumar,Dr.P. Chandra Sekhar,Direct “Torque Control of Induction Motors using Speed Estimator”, International Journal of Emerging Trends in Engineering Research(IJETER); volume 09, No. 6, June 2021, ISSN 2347 - 3983

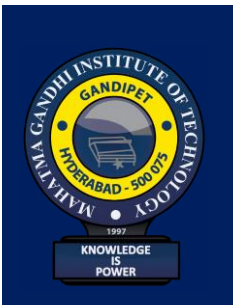
Conferences:

- H.Gurunath, “Modelling and Simulation NNPC Inverter by using a capacitor voltage- balancing method”, Two Day National Conference “RECENT TRENDS IN ELECTRICAL ENGINEERING” (RTEEE-2020) at MGIT volume 3, ISBN:978-93-88808-57- 6, 28 th and 29 th February 2020.
- H.Gurunath, Bharath Kumar Kasoju, Bhanuchandar A, Dongari Vamshy,A Mohandas and Kowstubha Palle ,SDCEE ,”A Nearest Level Control Technique for an Asymmetric Source Configuration of Multi-Level Inverter Topology”, serial No: NITKKR/SDCEE/2021/E3,17-19 Dec 2021.

Events Attended:

FDPs/STTPs:

- “Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles”, Department of Electrical &



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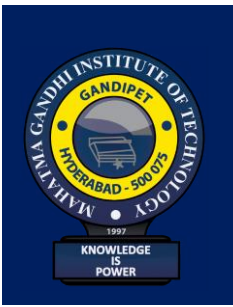
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Electronics Engineering, Bapatla Engineering College, Bapatla, 01-06-2020 to 05-06-2020

2. "Recent Trends in Electrical Engineering ", Department of Electrical & Electronics Engineering, Vishnu Institute of Technology, Bhimavaram, 08-06-2020 to 12-06-2020
3. "ELECTRIC POWER GRID MODERNIZATION TRENDS CHALLENGES AND OPPORTUNITIES" , Department of EEE. KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Guntur, A.P, 9/06/2020 to 13/06/2020
4. "Real Time Aspects of Power System Scenario", Mahatma Gandhi Institute of Technology, Department of EEE, 06.07.2020 to 10.07.2020
5. "Controller Hardware-in-the-Loop Simulation: For Future Electrical Engineers, Mahatma Gandhi Institute of Technology, Department of EEE, 24.07.2020
6. "Future Energy Trends & its Impact ",Department of Electrical and Electronics Engineering, SJBIT, Bengaluru, 24th to 28th August 2020
7. "Relevance of Mathematics to Core Engineering Sciences", Mahatma Gandhi Institute of Technology, Hyderabad, 12 to 16 October 2020.
8. "Swachhta Action Plan(SAP)- The Role of Higher Educational Institutions",NSS UNIT & UBA-CELL,MGIT, 8th – 10th October
9. ." The Role of IoT in Renewable Energy Resources Driving Electric Power Grids",Department of Electrical and Electronics Engineering New Horizon College of Engineering Bengaluru, 18-23 jan 2021
10. "Effective Technical Report Writing Using LaTeX", Department of Electronics & Communication Engineering, MGIT, Hyderabad, 08-06-2020 to 09-06-2020
11. "Recent Advances in Electrical Engineering", the Department of EEE, GATES Institute of Technology, Gooty,21st to 25 th march,2022
12. "INTRODUCTION TO ARTIFICIAL NEURAL NETWORK", Christ The King Engineering College, Coimbatore, 8th Feb 2022
13. National Level Faculty Development Program (FDP) on "Materials for Photonic Applications", Mahatma Gandhi Institute of Technology, Department of Physics and Chemistry, 9th-13th August,2021.
- 14."SOFTWARE TOOLS FOR ELECTRIC POWER SYSTEM ANALYSIS – STEPSA 2021 ",JB Institute of Engineering And Technology, Hyderabad, Department Of Electrical and Electronics Engineering. 26th April 2021 to 30th April 2021.
15. "Industrial Automation using PLC & SCADA ",Sakthi Polytechnic College, Sakthi Nagar- 638 315,Chennai,24th march to 30 march 2021.

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

1. "Outcome Based Education Webinar", Mahatma Gandhi Institute of Technology, Hyderabad, on 16.07.2020
2. "Power System Scenario", Mahatma Gandhi Institute of Technology,



Department of EEE, 29-07-2020

3. "Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids", Mahatma Gandhi Institute of Technology, Department of EEE, 28-07-2020,
4. "Hands-on working with E-Tap. Modules: Draw SLD, Load Flow and Fault Current Study", Mahatma Gandhi Institute of Technology, Department of EEE, 26-07-2020
5. "Electrical Maintenance in Heavy Manufacturing Industries", Mahatma Gandhi Institute of Technology, Department of EEE, 17.07.2020
6. "Best Practices in Design and Installation of Solar PV Systems", Mahatma Gandhi Institute of Technology, Department of EEE, 15.07.2020
7. "Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids", Mahatma Gandhi Institute of Technology, Department of EEE, 13.07.2020

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Online Certifications:

1. Learn to design your own Solar home system, Energy swaraj Foundation, Energy Literacy, 25th June 2020.