

**Mr. Mahesh Chanda**  
**Assistant Professor**



**Education Qualifications:** Master of Technology (Electrical and Electronics Engineering)

**Specialization:** Power Electronics

**ADDRESS:**

- E – Block -Room No 508

**JNTUH ID:**

1964-150619-184314

**EMAIL:**

cmahesh\_eee@mgit.ac.in

**DATE OF JOINING:**

15-06-2015

**EXPERIENCE - 7 Years**

- Teaching - 7

**SUMMARY:**

- Publications - 6
- Conferences - 2

**EVENTS:**

- Organized - 2
- Attended - 53

**Membership of Professional Bodies:**

1. Life Member of The Indian Society for Technical Education (LM 129433)
2. Associate Member - The Institute Of Engineers India
3. Life Member of Red Cross Society

**Responsibilities Held at Institution Level:**

1. NSS Coordinator
2. Bus In-charge for Staff Bus (Panama Route)
3. MGIT winnou Coordinator from Department of EEE

**Responsibilities Held at Department Level:**

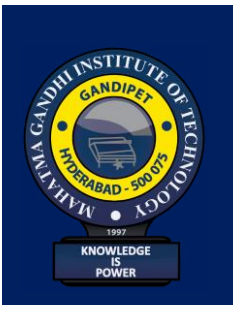
1. Class In-charge For IV EEE-2
2. Lab In-charge For BEE Lab -2
3. Department Library In-charge
4. Department Co-Ordinator For Web Branding Committee

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

1. **UG:** Electrical Machines-II, Power System Operation & Control, Network theory, Basic Electrical Engineering, Basic Electrical & Electronics Engineering, Electrical Engineering, Principles of Electrical Engineering.
2. **PG:** Hybrid Electric Vehicles

**Publications:**

1. Kasoju Bharath Kumar, Dongari vamshy, Mahesh chanda “Direct Torque Control based SVPWM Technique for Permanent Magnet Synchronous Motor Drives using Torque and Flux linkage Estimators” International Journal of Emerging Trends in Engineering Research, Volume 9. Issue-6 june 2021-page no.802-805, ISSN 2347 - 3983
2. Kowstubha palle, Bandela Supriya, C Mahesh and Dongari Vamshy “Multi carrier IPD-PWM Technique for Three Phase Diode Clamped and Cascaded H-Bridge Multilevel Inverters” Aegaeum Journal, Volume 9, Issue 5, May 2021, Page No.151-155, ISSN: 0776-3808.
3. P.Kowstubha , K.Krishnaveni, Bandela Supriya , C.Mahesh “A New Hybrid Control Scheme for Seven level Asymmetric Cascaded H-bridge Multilevel Inverter” Journal of Interdisciplinary Cycle Research, Volume XIII, Issue IV, April/2021, Page No.2079-2087, ISSN NO: 0022-1945
4. Kasoju Bharath Kumar, Dongari vamshy, Mahesh chanda “A Novel Three phase Three Wire UPQC Unified Power Quality Conditioner Configuration using Ten Switch topology for linear RL loads” - International Journal of Innovative Technology and Exploring Engineering - Volume-X, Issue-X, Feb2021, Page No.1-4 - ISSN 2347 – 3983

**ADDRESS:**

- E – Block -Room No 508

**JNTUH ID:**

1964-150619-184314

**EMAIL:**

cmahesh\_eee@mgit.ac.in

**DATE OF JOINING:**

15-06-2015

**EXPERIENCE - 7 Years**

- Teaching - 7

**SUMMARY:**

- Publications - 6
- Conferences - 2

**EVENTS:**

- Organized - 2
- Attended - 53

5. Mahesh Chanda, Kasoju Bharath Kumar, Dongari vamsly “A Simplified Voltage Oriented Control Strategy of an Active PWM Rectifier Used For PMSG Based Wind Turbine System” - AEGAEUM JOURNAL - Volume 9, Issue 1, Jan 2021, Page No.270-277 - ISSN: 0776-3808

6. Mahesh Chanda, Gajangi Arun Kumar, Chowdary Vinay Kumar “Modelling and Simulation of Control Scheme for Electric Vehicle Integrated with Fuel Cell and Super Capacitor” - International Research Journal of Engineering and Technology - VOLUME: 07 ISSUE: 05 | MAY 2020, Page No.7332-7337 - E-ISSN: 2395-0056.

**Conferences:**

1. Kasoju Bharath Kumar, Mahesh Chanda "A Novel Control Scheme for Symmetric Seven Level Reduced Device Count Multi-Level DC Link (MLDCL) Inverter" in IEEE International Conference SEFET 2021, GRIET, Hyderabad – 48154- Paper ID:152 - 21/01/2021 to 23/01/2021
2. Dr.P.Nagasehar Reddy, Mahesh Chanda " Design of Link Oriented DC Switches by Control of Power Factor Capability", Two Day National Conference in Recent Trends in Electrical Engineering, MGIT, Hyderabad - 978-93-88808-57-6 - 28/02/2020 to 29/02/2020.

**Events Organized:****FDPs/STTPs:**

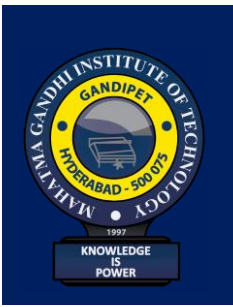
1. Organized One day National Level Online Faculty Development Programme on Controller Hardware-in-the-Loop Simulation: Tool for Future Electrical Engineers on 24th July 2020.

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

2. Organized a Webinar on Hands on Working with e- tap Modules: Draw SLD, Load Flow and Fault Current Study on 26<sup>th</sup> July 2020.

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

1. Actively participated in AICTE Sponsored Two Week FDP (Online-Phase-I) on " Sustainable Technologies for Electric Transportation Systems” scheduled on 14th June 2021 – 26th June 2021
2. Actively participated in Three Days Faculty Development Programme on “Impact of Controllers in Power Electronics Converter for Electric Vehicles" from 01.06.2021 to 03.06.2021 jointly organized by Department of Electrical and Electronics Engineering and Association of Electrical and Electronics Engineers, Dr.N.G.P.Institute of Technology, Coimbatore, Tamilnadu, India
3. Actively Completed successfully a Five Day Online Faculty Development Program on “Software Tools for Electric Power System Analysis – STEPSA 2021” organized by Electrical and Electronics Engineering Department, J. B. Institute of Engineering and Technology, Hyderabad during 26th to 30th April 2021
4. Completed successfully One Week ONLINE INDUCTION/REFRESHER PROGRAMME (STTP) on “ELECTRIC HYBRID VEHICLE (Phase –III)”, organized by Department of Electrical & Electronics Engineering, Sree Vidyanikethan Engineering College (Autonomous), Tirupati during 19th – 24th April 2021.



**ADDRESS:**

- E – Block -Room No 508

**JNTUH ID:**

1964-150619-184314

**EMAIL:**

cmahesh\_eee@mgit.ac.in

**DATE OF JOINING:**

15-06-2015

**EXPERIENCE - 7 Years**

- Teaching - 7

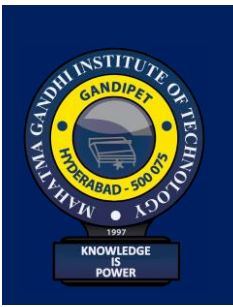
**SUMMARY:**

- Publications - 6
- Conferences - 2

**EVENTS:**

- Organized - 2
- Attended - 53

5. Completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 15th March to 19th March 2021 conducted by Department of Electronics and Communication Engineering, Government College of Engineering, Dharmapuri, Tamilnadu.
6. Attended for AICTE sponsored STTP on "Overview of Smart Grid Infrastructure for Demand Side management between 1st to 6th February 2021 organized by Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru.
7. AICTE-Sponsored Short Term Training Program on "Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector" (PHASE-III) conducting online, from 22nd Feb. 2021 to 27th Feb. 2021 organized by Department of Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad
8. Attended for AICTE sponsored STTP on "The Role of IoT in Renewable Energy Resources Driving Electric Power Grids" held during 18th to 23rd Jan 2021 organized by Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru.
9. Attended for AICTE sponsored STTP on "Smart Grid Technologies for Energy Efficiency and Active Demand Side Management" held during 4th to 9th Jan 2021 organized by Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru.
10. Registered for STTP on "The Role of IoT in Renewable Energy Resources Driving Electric Power Grids" held during 18th to 23rd Jan 2021 organized by Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru.
11. Actively participated in the Three Day Faculty Development Program on "Swachhta Action Plan (SAP)- The Role of Higher Educational Institutions" organized by Mahatma Gandhi Institute of Technology, Hyderabad from 8th to 10th October 2020.
12. Actively participated in the One-Week International Webinar/FDP on "Relevance of Mathematics to Core Engineering Sciences" organized by Mahatma Gandhi Institute of Technology, Hyderabad from 12th to 16th October 2020.
13. Actively Participated in Five Day Online Workshop on "The Development of the Energy Internet of Things (eIoT) in Green Energy Infrastructure" (01st – 05th September 2020) from 01-09-2020 To 05-09-2020 Organized by Department of Electrical Engineering National Institute of Technology Silchar.
14. Actively Participated in a Two-day National level FDP on "Intellectual Property Rights and Patent Filing" from 11.09.2020 and 12.09.2020 organized by Research & Development (R&D) Cell and National Innovation and Start-up policy (NISP) Cell, MGIT.
15. Attended a Five day Online Faculty Development Program on "Recent Trends in Electrical Engineering", 08-06-2020 to 12-06-2020, Department of Electrical and Electronics Engineering, Vishnu Institute of Technology, Bhimavaram.
16. Attended a Two Day Online Faculty Development Program on "Effective Technical Report Writing Using LaTeX", 08-06-2020 to 09-06-2020, Department of Electronics & Communication Engineering, MGIT, Hyderabad.



**ADDRESS:**

- E – Block -Room No 508

**JNTUH ID:**

1964-150619-184314

**EMAIL:**

cmahesh\_eee@mgit.ac.in

**DATE OF JOINING:**

15-06-2015

**EXPERIENCE - 7 Years**

- Teaching - 7

**SUMMARY:**

- Publications - 6
- Conferences - 2

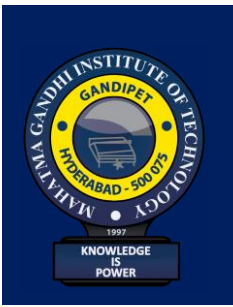
**EVENTS:**

- Organized - 2
- Attended - 53

17. One week online faculty development program on “power electronics applications in smart grid and electric vehicles”, 26-05-2020 to 31-05-2020, Department of Electrical and Electronics Engineering, IEEE STUDENT’S CHAPTER-STB 17901, Shantiram engineering College.
18. One Week FDP on “Art of Writing Papers and Research Methodologies”, 7-05-2020 to 13-05-2020, AICTE Margadharshan, Gokaraju Rangaraju Institute of Engineering and Technology.
19. Attended Online Course Faculty Development Program on “Digital Image processing using MATLAB” 24-04-2020 to 27-04-2020, Skilltohire.

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

1. Participated in Short Term training programme on “Introduction to Research Methodologies and MATLAB Programming for Optimization Techniques” at CBIT, Hyderabad - 25th to 30th Nov 2019
2. Actively participated in Webinar on “Power System Scenario” held on 29-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
3. Actively participated in Webinar on “Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Micro grids” held on 28-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
4. Actively participated in Webinar on “Hands-on working with E-Tap. Modules: Draw SLD, Load Flow and Fault Current Study” held on 26-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
5. Actively participated in Webinar on “Electrical Maintenance in Heavy Manufacturing Industries” held on 17-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
6. Actively participated in 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..
7. Actively participated in Webinar on “Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids” held on 13-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
8. Actively participated in Webinar on “Superconductivity and its Applications” held on 04-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
9. Actively participated in Webinar on “Magnetic Levitation and High Speed Trains” held on 01-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
10. Actively participated in Webinar on “Magnetic Levitation and High Speed Trains” held on 01-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.



**ADDRESS:**

- E – Block -Room No 508

**JNTUH ID:**

1964-150619-184314

**EMAIL:**

cmahesh\_eee@mgit.ac.in

**DATE OF JOINING:**

15-06-2015

**EXPERIENCE - 7 Years**

- Teaching - 7

**SUMMARY:**

- Publications - 6
- Conferences - 2

**EVENTS:**

- Organized - 2
- Attended - 53

11. Attended a webinar on “SSCS & PELS Joint Webinar - "Integrated Power Delivery and Management for High-Performance Digital Systems", 22-04-2020, IEEE Education Society.
12. Attended a webinar on “Enhance Research Visibility to Improve Ranking” by Tahseen Khanday”, 16-04-2020, ELSEVIER....Attended a Webinar talk on "Teaching with Matlab in Modern Classroom", 16-04-2020, IEEE education Society, IEEE Hyderabad Section and Mathworks.
13. Participated in Two day Training Programme on “Swatchatha Action Plan and Community Engagement” at CBIT, Hyderabad - 14th & 15th Nov 2019.
14. Participated in Short Term training programme on “Introduction to Research Methodologies and MATLAB Programming for Optimization Techniques” at CBIT, Hyderabad - 25th to 30th Nov 2019

**Online Certifications:**

1. Power Quality Improvement Technique – NPTEL Online Certification
2. Electrical Machines I - NPTEL Online Certification
3. Electrical Machines II - NPTEL Online Certification.....MATLAB Online Course on “MATLAB onramp”.
4. MATLAB Online Course on “Deep Learning Onramp”.....Coursera course on “Electric Power System”, University at Buffalo and The State University of New York.
5. Coursera course on “Motor and Motor Control Circuits”, University of Colorado Boulder and offered.
6. Coursera course on “Wind energy”, Technical University of Denmark (DTU).
7. Coursera course on “Linear Circuits 1: DC Analysis”, Technical Georgia Institute of Technology.
8. Coursera course on “Introduction to solar cells”, Technical University of Denmark.
9. Coursera course on “Image Denoising using Auto Encoders in Keras & Python”, Technical University of Denmark (DTU).
10. Coursera course on “Increase SEO Traffic with WordPress”, Technical University of Denmark (DTU).
11. Coursera course on “Image Compression with K-Means Clustering”, Technical University of Denmark (DTU).
12. Coursera course on “Custom reports in Google Analytics”, Technical University of Denmark (DTU).
13. TATA Steels e-learning program on PLCs.
14. TATA Steels e-learning program on Power system protection.
15. TATA Steels e-learning program on power systems generation.
16. TATA Steels e-learning program on Transformer.
17. TATA Steels e-learning program on Power System Earthings.
18. TATA Steels e-learning program on Fan and Blower.
19. TATA Steels e-learning program on Power System Power Cables.
20. Short Course on “Learn to Design your own Solar Home System”, Energy Swaraj foundation.