



G. Gopal

Assistant Professor



Education Qualifications: Master of Technology
Specialization: Electrical Power Engineering

ADDRESS:

- E – Block -Room No:107

JNTUH ID:

60150406-153238

EMAIL:

ggopal_eee@mgit.ac.in

DATE OF JOINING:

28-06-2012

EXPERIENCE - 18 Years

- Teaching -17
- Industry -1

SUMMARY:

- Publications - 8
- Conferences - 7

EVENTS:

- Organized - 1
- Attended - 40

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- <https://www.facebook.com/mgithyderabad>
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- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGITHyderabad>

Membership of Professional Bodies:

1. Life Member of Indian Society for Technical Education (ISTE) LM 48070.
2. Life Member of IAENG

Responsibilities Held at Institution Level:

1. Member in MGIT maintenance
2. Student bus in-charge

responsibilities held at department level:

1. Electrical Maintenance co-incharge
2. Power System lab incharge
3. Mentor for 20 students of EEE(2020-24 batch)

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Electrical Machines-III, Electrical Machines-II, Power Systems Analysis, Switch Gear and Protection, Electrical and Hybrid Vehicles, Electrical Technology, Principles of Electrical Engineering.
- **PG:** Flexible AC Transmission Systems, Hybrid Electric Vehicles

Publications:

• International Journals:

1. An International Journal on "AN EFFECTIVE USAGE WITH MULTICARRIER PWM TO FIVE-LEVEL REDUCED-SWITCH-COUNT BOOST PFC RECTIFIER" in IJCRT JOURNAL, ISSN NO : 2320-2882, VOLUME 9, ISSUE 6, June 2021.
2. An International Journal on "ADVANCED TECHNIQUE WITH NINE IGBTs FOR THREE-PHASE THREE-LEG AC/AC CONVERTER" in IJCRT JOURNAL, ISSN NO : 2320-2882, VOLUME 9, ISSUE 5 May 2021
3. An International Journal on " FLC BASED CONTROL SCHEME FOR A STAND ALONE PV SYSTEM WITH POWER QUALITY IMPROVEMENT FEATURES" in IJAEMA JOURNAL, ISSN NO : 0886-9367, Volume - XIII, Issue IV, April 2021
4. An International Journal on " SECURE AND ADVANCED VULNERABILITY ANALYSIS FOR THE AUTHENTICATION" in IJCRT JOURNAL, ISSN NO : 2320-2882, Volume - 9, Issue 4 April 2021



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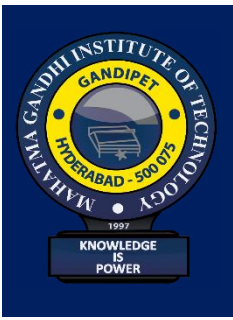
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5. An International Journal on " VOLTAGE PROFILE ENHANCEMENT OF 400KV TRANSMISSION LINE BY USING TCSC" in Aegaeum Journal, ISSN: 0776-3808 Volume 8, Issue 6, June 2020
6. An International Journal on " VOLTAGE SAG COMPENSATION OF TRANSMISSION LINE SYSTEM BY USING THYRISTOR CONTROLLED SERIES CAPACITOR " in IJAREEIE JOURNAL, ISSN (Online): 2319-8753,ISSN (Print): 2347-6710, Volume 9, Issue 6, June 2020,Page No.4672
7. An International Journal on "MITIGATION OF HARMONICS BY USING SHUNT HYBRID ACTIVE POWER FILTER IN 3-PHASE 4-WIRE SYSTEM " in IJAREEIE JOURNAL, e-ISSN: 2278 – 8875, p-ISSN: 2320 – 3765, Volume 9, Issue 6, June' 2020, Page No. 1443
8. An International Journal on "ENHANCEMENT OF POWER SYSTEM DYNAMICS USING A NOVEL SERIES COMPENSATION SCHEME" in IJMER E JOURNAL, e-ISSN: 2278 – 8875, p-ISSN: 2320 – 3765, Volume 5, Issue I,

Conferences:

1. Presented a paper on “TSSC- FACTS Controller for Enhancement of Power System Transient Stability” in International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE 2016) at MRECW on 19th& 20th August-2016
2. Presented a paper on “Series Connected FACTS Controllers for Enhancement” in International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE 2015) at MRECW on 3rd & 4th July-2015.
3. Presented a paper titled “Analysis and Evaluation of Battery Operated Vehicles” in National Conference on Recent Trends in Electrical Engineering at MGIT, Hyderabad on 28th and 29th February 2020.
4. Presented a paper titled “Multi Boost Converter in Hybrid Vehicles for Super Capacitor and Battery Power Management” in National Conference on Recent Trends in Electrical Engineering at MGIT, Hyderabad on 28th and 29th February 2020.
5. Presented a paper titled “Application of Artificial Intelligence Techniques to Power Generating Stations” in National Conference on Recent Trends in Electrical Engineering at MGIT, Hyderabad on 28th and 29th February 2020.
6. Presented a paper titled “Optimal Location of Static VAR Compensator Device for Reducing Damping Oscillations” in National Conference on Emerging Technologies in Electrical Engineering Organised by Adam’s Engineering College, Paloncha. During 11.06.2010 to 12.06.2010..
7. Presented a paper titled “More Accurate Modelling of GIS Components in Digital Simulation of VFTO” in National Conference on Recent Trends in Electrical and Communication Technologies Organised by MET’s School Of Engineering, Mala. On 08.05.2009.



Events Organized:

Conferences:

1. Conducted an online webinar as a co-convener on “Energy Conservation and Auditing” on 02.07.2020 at MGIT, Hyderabad.

Events Attended

FDPs/STTPs:

1. One Week Virtual FDP on "Research Challenges, opportunities in Smart Grid with Integration of Electric Vehicles" during 08-10-2021 to 12-10-2021 Organised by Department of EEE, VEMU Institute of Technology, P.Kothakota, Chittoor(Dist.) A.P.
2. ATAL Online Elementary FDP on "Electric Vehicles – Research Issues and Challenges" during 23-08-2021 to 27-08-2021 Organised by GRG Polytechnic College.
3. Online National Level FDP on "Materials for Photonic Applications” during 09-08-2021 to 13-08-2021 Organised by MGIT, Hyd.
4. ATAL Online Elementary FDP on "Recent Trends in Power System Operation and Control" during 12-07-2021 to 16-07-2021 Organised by Government College of Engineering.
5. Five Days International FDP on "Modern Trends in Power Electronics and their Applications" during 28.06.2021 to 02.07.2021 Organised by Department of EEE, VJIT, Hyd.TS.
6. One Week online STTP on "Design and Technology Aspects of Off-grid & Grid Connected roof top Solar and Bio-Energy (operation & Maintenance") during 22.03.2021 to 27.03.2021 Organised by Department of EEE, St. PETER’s Engineering College.
7. Five Days online FDP on "Advances in Robotics, AI & Industry 4.0" during 16.03.2021 to 20.03.2021 Organised by Department of EEE, Coimbatore Institute of Technology.
8. Five Days online FDP on "Future Energy Trends & its Impact" during 24.08.2020 to 28.08.2020 Organised by Department of EEE, SJBIT, Bengalure.
9. One Week National Level FDP on "Real Time Aspects of Power System Scenario" during 06-07-2020 to 10-07-2020 Organised by Department of EEE, MGIT.
10. One Day National level online FDP on "Controller Hardware –in-the-Loop Simulation: Tool for Future Electrical Engineers" on 24.06.2020 Organised by Department of EEE, MGIT.
11. One Week online STTP(Phase-3) on "Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector" during 22.02.2020 to 27.02.2020 Organised by Department of EEE, CBIT, Hyderabad.
12. Six Days online STTP on "Smart Grid Technologies for Energy Efficiency and Active Demand Side Management” during

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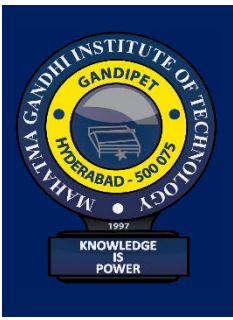
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- 01.02.2021 to 06.02.2021 Organised by Department of EEE, New Harizon College of Engineering, Marathalli.
13. Five Days online STTP on "Recent Trends & Challenges in Smart Grid Technology" during 17.08.2020 to 21.08.2020 Organised by Department of EEE, Sri Ramakrishna Engineering College, Coimbatore.
 14. A Short Course on "Learn to Design your own Solar Home System" on 05.08.2020 Organised by Energy Literacy Drive of the Energy Foundation in Association with MGIT.
 15. Five Days FDP on "Future Energy Trends and its Impact" during 24.08.2020 to 28.08.2020 Organised by SJB Institute of Technology, Bengaluru.
 16. National level Five day online FDP on "Electric Power Grid Modernization Trends, Challenges & Opportunities" during 09-06-2020 to 13-06-2020 Organised by Department of EEE, KITS, Guntur.
 17. Two Days online FDP on "Effective Technical Report writing using Latex" during 08-06-2020 to 09-06-2020 Organised by Department of ECE, MGIT.
 18. Two Weeks FDP on "Industrial Embedded System & IoT with Raayan Mini Board based on ARM cortex M4(STM32)" during 08-06-2020 to 19-06-2020 Organised by KERNEL MASTER.
 19. One Week FDP on "Tools for Scientific Communication and Effective Teaching" during 02-06-2020 to 06-06-2020 Organised by Vaagdevi College of Engineering.
 20. One week online FDP on "Artificial Intelligence , Machine Learning Internet Of Things & Big data applications in power electronics and its allied areas" during 01-06-2020 to 05-06-2020 Organised by Gokaraju Rangaraju Institute of Engineering and Technology.
 21. One Week FDP on "Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell and Technology for E Vehicles" during 01-06-2020 to 05-06-2020 Organised by Bapatla Engineering College.
 22. Two days FDP on "Research Paper & Project Proposal Writing" during 15-05-2020 to 16-05-2020 Organised by Sree Vidyanikethan Engineering College.
 23. Six Days AICTE Sponsored Online STTP on "Smart Grid Technologies for Energy Efficiency and Active Demand Side Management" during 01.02.2021 to 06.02.2021 Organised by NHCE, Bangalore.
 24. Five Days STTP on "Recent Trends and Challenges in Smart Grid Technology" during 17.08.2020 to 21.08.2020 Organised by Sri Ramakrishna Engineering College, Coimbatore.
 25. AICTE sponsored Two Week FDP on "Power Electronics for Renewable Energy Systems – Present Trends and Future Scope, PERES- 2017" during 13.11.2017 to 25.11.2017.
 26. One Week FDP on "Image Processing and its Applications" during 15.12.2014 to 19.12.2014 Organised by Department of CSE, MGIT, Hyderabad.



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27. ISTE-SRM Short Term Training Programme on “Mechatronics” during 05.05.2014 to 10.05.2014 Organized by MGIT, and Sponsored by ISTE.
28. One Week ISTE FDP on “Teaching, Learning and Research in Engineering & Technology” during 30.07.2012 to 03.07.2012 Organised by ISTE Chapter-MGIT and Industry-Institute Partnership Cell.
29. FDP on “Project Management from an Industry Perspective” on 08.03.2013 Organised by MGIT, Hyderabad.

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

1. One Week International online Workshop on "Recent Advancement on Electronics and Computer Intelligence (RAECI-2021) " during 26.04.2021 to 30.04.2021 Organised by Department of Electronics and CSELA, SUIIT, Odisha.
2. AICTE-ISTE approved Orientation/Refresher Programme on “Recent Trends in Mechatronics” during 18.03.2021 to 24.03.2021 Conducted by KITS, Telangana.
3. International Workshop on “Particle Swarm Optimization (PSO) and Application in Power Systems” on 25.05.2020 Organised by Paavai Engineering College, Tamilnadu.
4. Two Day Workshop on “Adoption of Teaching and Learning” during 05.07.2017 to 06.07.2017 Organised by Department of IT, MGIT, Hyderabad in association with Swecha Academic Chapter.
5. UGC SPONSORED SUMMER SCHOOL on “Role of Communication Skills in Effective Teaching” during 08.06.2015 to 27.06.2015 Organised by JNTUH.
6. Two Day Workshop on “Computer Applications to Power Systems Using MiPower” during 04.12.2009 to 05.12.2009 Organised by Department of EEE, Adam’s Engineering College, Paloncha.
7. Two-Day National workshop on “Hydrogen & Fuel Cell Technologies for Future Energy Options” during 22.12.2008 to 23.12.2008 Organised by JNTUH.

Online Certifications:

1. COURSERA - “Solar Energy Basics” on 7 Jun 2020.
2. COURSERA - “Wind Energy” on 14 Jun 2020.
3. COURSERA - “Electric Power Systems” on 6 May 2020.
4. COURSERA - “Image Denoising Using AutoEncoders in Keras and Python” on 14 Jun 2020.
5. COURSERA - “Increase SEO Traffic with WordPress” on 14 Jun 2020.
6. COURSERA - “Custom Reports in Google Analytics” on 14 Jun 2020
7. COURSERA - “Image Compression with K-Means Clustering” on 14 Jun 2020.
8. COURSERA - “Linear Circuits 1: DC Analysis” on 23 Jun 2020.