

Dr.A.Ramchandra Reddy

Assistant Professor



Education Qualifications: Ph.D
Specialization: Power Systems-High Voltage Engineering

ADDRESS:

- E – Block -Room No 508

JNTUH ID:

52150404 - 192637

EMAIL:

arcreddy_eee@mgit.ac.in

DATE OF JOINING:

05-12-2011

EXPERIENCE - 16 Years

- Teaching - 16

SUMMARY:

- Publications - 4
- Conferences - 5
- Patents – 1

EVENTS:

- Organized - 1
- Attended - 30

Responsibilities Held at Institution Level:

1. Student Affairs Committee – Member-Convenor and from 2020 to till date.
2. Internal Complaints Committee - Member- from 2021 to till date.

Responsibilities Held at Department Level:

1. Lab Incharge – Electrical Circuits Lab
2. Convenor – POTENZIA 2018
3. Class Incharge – 2016-20

Courses Handled at Under Graduate /Post Graduate Level:

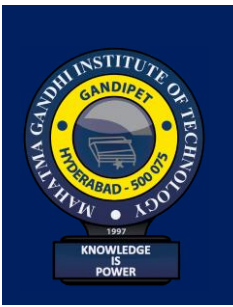
- **UG:** Power Systems-I and II, High Voltage Engineering, HVDC Transmission
- **PG:** HVDC Transmission

Publications:

1. A. Ramchandra Reddy and P. Chandra Sekhar, “Estimation of Switching Surge Flashover Rate of a 1200 kV UHVAC Transmission Line due to Switching Overvoltages”, INAE Letters, Volume 3, Number 3, pp. 167-174, July 2018, ISSN (print) 2328-3491, ISSN (online) 2328-3580 (Springer)
2. A. Ramchandra Reddy and P. Chandra Sekhar, “Estimation of Switching Surge Flashover Rate of a 1200 kV UHVAC Transmission Line Considering Switching Overvoltage Waveshape”, Electrical Engineering, Volume 102, Number 2, pp. 953–966, January 2020, ISSN (print) 0948-7921, ISSN (online) 1432-0487 (Springer-SCI Indexed-UGC CARE list)
3. A. Ramchandra Reddy and P. Chandra Sekhar, “Statistical Switching Overvoltages of 1200 kV UHVAC Transmission Line”, The Journal of The Institution of Engineers (India): Series B, Volume 103, Number 1, pp. 189–195, February 2022, ISSN (print) 2250-2106, ISSN (online) 1432-2114 (Springer-Scopus Indexed -UGC CARE list)
4. A. Ramchandra Reddy Reddy, “Insulation Coordination of a UHV AC Transmission Line Considering the Switching Overvoltage Waveshape”, Power Research - A Journal of CPRI, Volume 18, Number 2, pp.93–99, December 2022, <https://doi.org/10.33686/pwj.v18i2.1086>.

Conferences:

1. A. Ramchandra Reddy and P. Chandra Sekhar, “Statistical Analysis of Energization Overvoltages of a 1200 kV UHVAC Transmission Line”, 2nd National Conference on High Voltage Engineering and Technology (NCHVET–2017), Central Power Research Institute (CPRI), Bangalore, India, January 21–23, 2017.
2. A. Ramchandra Reddy and P. Chandra Sekhar, “Probabilistic Estimation of Risk of Failure of a 1200 kV UHVAC Transmission line”, 20th International Symposium on High Voltage Engineering (ISH-2017), National University of Tucuman, Buenos Aires, Argentina, August 28 – September 01, 2017.
3. A. Ramchandra Reddy and P. Chandra Sekhar, “Estimation of Switching Surge Flashover Rate for a 1200 kV UHVAC Transmission Line”, 7th International

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Conference on Power Systems (ICPS -2017), College of Engineering Pune, Pune, India, December 21–23, 2017.

4. A. Ramchandra Reddy and P. Chandra Sekhar, “Estimation of Switching Surge Flashover Rate of 1200 kV UHVAC Transmission Line by Considering Switching Overvoltage Waveshape”, National Conference on Recent Trends in High Voltage Engineering and Technology (NCHVET–2020), Central Power Research Institute (CPRI), Hyderabad, India, January 24, 2020.
5. A. Ramchandra Reddy, “Insulation Coordination of a UHVAC Transmission Line Considering the Switching Overvoltage Waveshape”, National Conference on High Voltage Engineering and Technology 2022, Central Power Research Institute (CPRI), Bangalore, India, February 25, 2022.

Patents:

1. Patent on “Machine Learning-Based Power Quality Improvement System For Micro-Grid” was published on 23-12-2020. No: 2020103307

Events Organized:

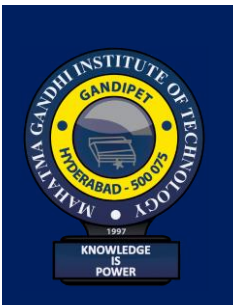
Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Webinar on “Electrical Maintenance in Heavy Manufacturing Industries”, on 17-07-2020

Events Attended:

FDPs/STTPs:

1. One-week ISTE Faculty Development Programme on “Teaching, Learning and Research in Engineering and Technology”, organized by ISTE Chapter-MGIT and Industry-Institute Partnership Cell, during 30-07-2012 to 03-08-2012.
2. MHRD-TEQIP Sponsored Faculty Development Programme on “Recent Trends and Applications of High Voltage Engineering”, organized by Department of Electrical Engineering, National Institute of Technology Calicut, during 22-06-2014 to 28-06-2014.
3. Online AICTE Margdarshan Faculty Development Programme on “Art of Writing Papers and Research Methodologies”, organized by GRIET, during 07-05-2020 to 13-05-2020.
4. One Week Online FDP on “Real Time Aspects of Power System Scenario”, organized by MGIT, during 06-07-2020 to 10-07-2020.
5. One Week Online Faculty Development Programme on “Current Research Trends in Power Systems and Power Electronics”, organized by Vignan’s Nirula Institute of Technology and Science for Women, during 20-07-2020 to 25-07-2020.
6. One Week Online FDP on “Relevance of Mathematics to Core Engineering Sciences”, organized by MGIT, during 12-10-2020 to 16-10-2020.
7. Six Days STTP on “Enhancement in Load ability of EHV Transmission System: Reduction in Line Losses”, organized by Gyan Ganga Institute of Technology, during 16-11-2020 to 21-11-2020.
8. One Week AICTE Margdarshan on "Outcome based Education and Research Methodologies", organized by GRIET, during 21-12-2020 to 27-12-2020.
9. FDP on "Block Chain Technology: Current Trends and future aspects in Smart Grid" organized by Gyan Ganga Institute of Technology and Sciences during 12-07-2021 to 16-07-2021.
10. FDP on "Smart Grid and Sustainable Energy Management in Virtual Power Plants", organized by Sathyabama Institute of Science and Technology, Chennai, during 26-07-2021 to 31-07-2021.
11. FDP on "Restructured Power System: Operation and Planning", organized by RIT, Rajaram Nagar, during 23-08-2021 to 28-08-2021.
12. FDP on "Recent Trends in Energy and Power Systems", organized by VIT, Chennai, during 06-09-2021 to 09-09-2021.
13. FDP on "E-Mobility and Battery Charging", organized by Gayatri Vidya



- Parishad College of Engineering for Women, during 09-12-2021 to 15-12-2021.
14. FDP on "Recent Advances in Electrical Engineering", organized GATES Institute of Technology, during 21-03-2022 to 25-03-2022.

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

1. National Level Workshop on "Recent Advances in Electrical Engineering", organized by department of Electrical and Electronics Engineering of Mahatma Gandhi Institute of Technology from 26-12-2011 to 31-12-2011.
2. Refresher Course on "Strategies for Research Oriented Teaching", organized by UGC-HRDC of JNTUH from 19-05-2014 to 07-06-2014.
3. Refresher Course on "Soft Skills for Professional Excellence", organized by UGC-HRDC of JNTUH from 30-11-2015 to 19-12-2015.
4. Webinar on "Technical Paper Writing" organized by IEEE EdSoc Hyderabad Section on 29-03-2020.
5. Webinar on "Recent Challenges in Electrical Engineering", organized by IEEE Hyderabad Section on 11-04-2020.
6. Webinar on "Gas Insulated Substations and their Applications ", organized by IEEE Hyderabad Section on 03-05-2020.
7. Webinar on "Magnetic Levitation and High-Speed Trains", Organized by EEE Dept., MGIT on 01-07-2020
8. Webinar on "Energy Conservation and Auditing", Organized by EEE Dept., MGIT on 02-07-2020
9. Webinar on "Superconductivity and its Applications", Organized by EEE Dept., MGIT on 04-07-2020
10. Webinar on "Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids", Organized by EEE Dept., MGIT on 13-07-2020
11. Webinar on "Best Practices in Design and Installation of Solar PV Systems", Organized by EEE Dept., MGIT on 15-07-2020
12. Webinar on "Hands-on working with E-Tap. Modules: Draw SLD, Load Flow and Fault Current Study", Organized by EEE Dept., MGIT on 26-07-2020
13. Webinar on "Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids", Organized by EEE Dept., MGIT on 28-07-2020
14. Webinar on "Power System Scenario", Organized by EEE Dept., MGIT on 29-07-2020
15. Webinar on "Introduction to MATLAB" Organized by MathWorks on 21-05-2021
16. Workshop on "Diagnostics and Modeling Techniques in High Voltage Engineering", Organized by NIT Warangal on 05-03-2022

Online Certifications:

1. Electrical Power Systems- Coursera Course
2. Learn to Design your own Solar Home System- Energy Swaraj Foundation

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