

Name: **Dr. GORU RADHIKA**

Designation: Senior Asst. Prof

Department: EEE

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Experience (in years): Teaching: 16 Research: Nil Others(if any, specify):Nil



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	PhD	2018	Power System Protection Against Transients
2	M.E	2006	Electrical Power Engineering
3	B.Tech	2002	EEE

2. Teaching and Learning:

2.1 Teaching Interests: High Voltage Engineering, Power Systems Protection & Analysis, Circuit Theory and Analysis, Basics of Electrical Energy Engineering.

2.2 Novel Teaching & Learning Techniques adopted: Yes

2.3 Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Singing, Dancing

3.2. CCA/ECA Organized: To conduct various activities for students to enhance their knowledge with present societal needs, Mentoring to III B.Tech by Alumni's and conduction Guest Lecturers in the Department.

3.3. CCA/ECA participated: Alumni Coordinator, Involved in Career vision activities for First year B.Tech students

3.4. Counseling and Mentoring Activity: Mentoring students for regularity and to improve academic performance.

3.5. Committees involved in:

Department level: EEE Association, IEI Student chapter, Alumni coordinator, Student Progression, Seminars Incharge.

Institute Level: Crescendo Coordinator

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted: 11

4.2 Attended:09

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG: 11

b) PG: 08

5.5. Research Interests: High Voltage Engineering, Power Systems Protection

5.6. Ph.D students:

a) Enrolled: Nil

b) Submitted: Nil

c) Awarded: Nil

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Computational Study of 400 kV Transmission Lines Against Lightning with Line Terminating Matrix	International Journal of Engineering Trends & Technology, Vol.50, No.2, August 2017,	2231-5381	Indexed	International
2	Development of Small Scale Impulse Current Generator for Testing of MO Blocks	Industry Intelligence IEEMA Journals	FY15-16	Indexed	National
3	Significance of Transposition for 220kV Tower	International Journal of Latest Research in Science and Technology, Vol.4, Issue 5, 2015,	2278-5299	5.22	International
4	Improvement of Back flashover Analysis for a 400 kV System Integrated with Sub Station	International Journal of Electrical Electronics and Telecommunication Engineering Vol.45, Issue.2	2051-3240,	Indexed	International
5	Small Scale High Frequency, High AC Voltage Generation Using Tesla Coil	International Journal of Electrical and Electronics Engineering Research, Vol.4, No.4, Aug 2014, Pg: 11-18.	2278-9943X	7.89	International
6	Backflashover Analysis Improvement of a 220KV Transmission Line	International Journal of Engineering Research and Applications, Vol.3, No:1, Jan 2013, Pg: 532-536	2248-9622.	8.08	International

7	Fault Analysis of a Transmission Line Using PSCAD/EMTDC	International Journal of Multidisciplinary Research & Advances in Engineering, Vol. 3, No: 1, 2011, pg: 71-79	0975-7074.	Indexed	International
8	Effective Placement of Surge Arrester During Lightning	International Journal of Computer Communication and Information Science, Vol. 2, No: 1, Dec 2010, pg: 167-172	0976 – 1349.	Indexed	International
9	Lightning Surge Analysis on Grounding Models of a Transmission Lines	Journal of Theoretical & Applied Information Technology , pp: 87-93		4	International
10	Computational Study of 400 kV Transmission Lines Against Lightning with Line Terminating Matrix	International Journal for Modern Trends in Science and Technology	2455-3778	2.46	International
11	Islanding operation of Renewable Energy Sources in a Microgrid Systems	International Journal of Electrical & Electronics Engineering Research	1694-2310	2.013	International
12	PV-Active Power Filter for Non Linear load and Compensation of Utility Current	International Journal of Engineering Science and Computing	2250-1371	5.611	International
13	Collation Studies of Sequence Impedances for Underground Cables with Different Layouts	International Journal of EngineeringTrends & Technology, Vol.49, No.2, July 2017,	2231-5381	Indexed	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Backflashover Analysis and Protection of 220 KV Substation	Elsevier , International Conference on Recent Trends in Communication and Computer Networks,	International	Nov 8-9, 2013.
2	Backflashover Analysis Improvement of 220 KV Double Circuit Transmission Line	IET , International Conference on Advances on Power Electronics and Instrumentation Engineering	International	Aug 1-2, 2013.
3	Study of Lightning induced outage improvement for 220KV Transmission line	(IPMHVC) International Power Modulator and High Voltage Conference	International	June 3-7, 2012.
4	Protection of 132KV Transformer against lightning by Effective Placement of Surge Arresters	(IPMHVC) International Power Modulator and High Voltage Conference	International	June 3-7, 2012.
5	Effective Placement of Surge Arrester during Lightning	XVII International Symposium on High Voltage Engineering	International	August 22-26, 2011.
6	Impact of High Tower Footing Resistance for Performance Analysis of 220kV Transmission Structure Effect on a Back flashover	National Conference on High Voltage Engineering	International	June 22-24, 2015
7	New Technique to Detect Winding Inter Turn Deformation in Power Transformers using Frequency Response	National Conference on Emerging Trends in Renewable Energy & Its Applications	National	Dec 19-20, 2013
8	Interpreting Transformer Winding Radial Displacements using Transfer Function Parameters	National Conference on Emerging Trends in Renewable Energy & Its Applications	National	Dec 19-20, 2013

5.9. Sponsored research Projects: MODROBS on POWER SYSTEM SCADA in 2010 (02 years)

5.10 Consultancy Projects: Nil

6. **Awards / Honors received: Received cash awards of Rs. 5000/- for publishing paper in Industry Intelligence -IEEMA in the year 2016.**

7. **Motto: To impart Knowledge to the Students and Work is Workship.**