

Profile

Name: Dr. G.V.NAGA LAKSHMI

Designation: Assistant Professor

Department: Electrical Engineering

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EDUCATIONAL QUALIFICATION:

S.No	Course	Institute/University	Year of Passing	Specialization
1.	B.E	University college of Engineering, Osmania University	2003	Electrical & Electronics Engineering
2.	M.Tech	J.N.T.U Hyderabad	2009	Electrical Power Engineering
3.	Ph.D	University college of Engineering, Osmania University	2022	Distribution Generation

WORK EXPERIENCE:

Designation	Department	Date of actual joining	
		From	To
Assistant Professor (contract basis)	Electrical Engineering	08-08-2003	07-06-2007
Assistant Professor (Regular)	Electrical Engineering	08-06-2007	Till date

RESEARCH AREAS/INTERESTS:

Distributed Generation, Power Quality, Distribution Systems.

RESEARCH PUBLICATIONS:

1. *"Optimal Capacity and Placement of Distributed Generation using Sequential Quadratic Programming"*, International Journal of Intelligent Systems and Applications in Engineering, June 2024, G. V. Naga Lakshmi, N. Srilatha.
2. *"Security Improvement Using Facts Device Placement based on Modal Analysis"*, International Journal on Recent and Innovation Trends in Computing and Communication, November 2023, N. Srilatha, G. V. Naga Lakshmi.
3. *"Optimal Placement of Distributed Generation Based on DISCO's Financial Benefit with Loss and Emission Reduction using Hybrid Jaya-Red Deer Optimizer"*, Electrical Engineering, Springer, December 2022, G.V.Naga Lakshmi, V.Venkatramana, A.Jaya Laxmi.
4. *"Optimal Placement of Distributed Generation in Radial Distribution System Based on Power Quality using Self Adaptive Levy Flight based Jaya Algorithm"*, Clean Technologies, MDPI, November 2022, G.V.Naga Lakshmi, V.Venkatramana, A.Jaya Laxmi.
5. *"Optimal Placement of Distribution Generation in Radial Distribution System using Hybrid Genetic Dragonfly Algorithm"*, Journal of Technology and Economics of Smart Grids and Sustainable Energy, Springer, May 2021, G.V.Naga Lakshmi, V.Venkatramana, A.Jaya Laxmi.
6. *"Optimal Placement of Distribution Generation based on DISCO's additional benefit using Self Adaptive Levy Flight based on Black Widow Optimization"*, International Journal of Emerging Electric Power Systems, Degruiter, 2021, G.V.Naga Lakshmi, V.Venkatramana, A.Jaya Laxmi.
7. *"Optimal Placement of Distributed Generation using Firefly algorithm"*, Journal of Material Science and Engineering, IOP Publishing, 2020, G.V.Naga Lakshmi, V.Venkatramana, A.Jaya Laxmi.
8. *"Optimal Allocation and Sizing of Distributed Generation in Distribution Network using Ant Colony Search Algorithm"*, Proc. of Int. Conf. on Advances in Communication, Network, and Computing, CNC February 2014, Chennai, G.V.Naga Lakshmi, A.Jaya Laxmi, S.Vijender Reddy.
9. *"Optimal Allocation and Sizing of Multiple Distributed Generators using Genetic Algorithm"*, Proc. of Int. Conf. on Advances in Communication, Network, and Computing, CNC February 2014, Chennai, G.V.Naga Lakshmi, A.Jaya Laxmi, V.Viswanatha Reddy.

10. *“Optimal allocation and Contingency analysis of Embedded Generation deployment in Distribution Network using Genetic Algorithm”*, ICCEET, March 2012, Tamilnadu. G.V.Naga Lakshmi, V.Venkatramana, A.Jaya Laxmi.
11. *“Wavelet Transform for clarification of voltage Sag causes using probabilistic neural network”*, International Journal of Electrical Engineering, Vol. 4, No.5, 2011, pp.299-309. M.Manjula, A.V.R.S Sarma, G.V.Naga Lakshmi.

Institutional / Administrative Experience:

S.No	Position held	Department/Section	Period
1.	Warden, Girls Hostel for Engineering and Technology	Osmania University	March 2010 to June 2019
2.	In charge Examinations	Dept.of E.E, University college of Engineering, Osmania University	July 2018 to till date
3.	Faculty Adviser, M.E.(PS)	Dept. of E.E. University college of Engineering, Osmania University	June 2013 to January 2024
4.	Departmental Convener, M.E./M.Tech (PTPG) Admissions	Dept. of E.E. University college of Engineering, Osmania University	2013
5.	NBA Coordinator, Power Systems	Dept. of E.E. University college of Engineering, Osmania University	June 2016 to January 2024

CONFERENCES/WORK SHOPS/SHORT TERM COURSES ATTENDED:

1. One week online FDP on “AI techniques to Electrical Engineering” Organized by UGC-HRDC, JNTU, Hyderabad during 6th to 10th July 2020.
2. Two day online workshop on “Reliability and its Applications to Power Systems and Drives” Organized by EED, UCE (A) OU during 26th and 27th June 2020.
3. Two day workshop on “Challenges for Professional Women: Work – Life Balance” Organized by EED, UCE (A) in association with IEEE Hyderabad section during 7th & 8th February 2020.

4. Five day FDP on “ Power Systems” organized by UGC-HRDC, JNTU, Hyderabad during 23rd to 27th September 2019.
5. Two day workshop on “Leadership & Research Challenges for Professional Women” Organized by EED, UCE (A) in association with IEEE Hyderabad section during 4th and 5th January 2019.
6. Short term course on “High Voltage Gain Soft-Switching Advanced Current-fed Technologies for Micro grid and Electric Transportation” Organized by MHRD-GIAN during 18th to 23rd December 2017.
7. Two day workshop on “Teaching, Learning and Assessment Methodologies” Organized by UCE (A), OU during 13th and 14th December 2016.
8. Two weeks “Faculty Development Programme in Entrepreneurship” sponsored by NSTEDB, DST, New Delhi, organized by Entrepreneurship Development Cell, Osmania University, Hyderabad during 2nd -14th February, 2015 .
9. One week faculty development program on “ Power Electronics & Drives for Vehicular Systems – Technology Status & Future Trends” organized by EED, UCE(A), OU during 23rd to 28th November 2015.
10. One week faculty development program on “Advances in Power Electronics and Drives” Organized by EED, UCE (A), OU during 12th to 17th May 2014.
11. Three day intensive workshop on “Design of Industrial Power Distribution systems shortcut methods, Quick estimation and application guidelines” organized by IEEE Hyderabad Section at Hyderabad, during 2nd to 4th January 2012.
12. One week workshop on “Power Quality and custom Power Devices” organized by Departments of EEE, ECE & IT, RV college of Engineering, Bangalore, during 3rd to 7th June 2013.
13. Refresher course in “Recent trends in Deregulation of Power systems” organized by UGC Academic staff college, JNTU Hyderabad from 13th June 2011 to 2nd July 2011.
14. Orientation course organized by UGC Academic staff college, Osmania University from 4th to 30th October 2010.

15. Short term course on “Soft Computing Techniques in Electrical Engineering” organized by department of Electrical Engineering, NIT Warangal during 7th to 19th December 2009.
16. Six day National level workshop on “Power Quality” sponsored by AICTE, New Delhi, organized by G. Narayanamma Institute of Technology & Science, Hyderabad from 4th to 9th May 2009.
17. Orientation program organized by Osmania University, during 2nd- 12th July 2007.

Workshops Organized :

1. One week workshop on “ Smart Hybrid Energy Systems – Challenges and Solutions”, conducted by Department of Electrical Engineering , UCE, OU during 18th to 23rd December 2023 as part of Platinum Jubilee Celebrations 2023 - 2024.
2. One week Refresher course on “Application of AI Techniques in Electrical Engineering” conducted by Department of Electrical Engineering , UCE, OU during 18th to 23rd November 2019.
3. Two day Workshop on “ Power Quality - Harmonic Analysis for Power Systems” conducted by Department of Electrical Engineering , UCE, OU during 19th and 20th September 2016.
4. Organized a one week Faculty development program on “Distributed Generation and Power Quality Issues” during June 30th to 5th July 2014 in the department of Electrical Engineering , University College of Engineering, Osmania University.