




P.E.S. College of Engineering, Mandya



Faculty Profile

General

Name	<i>Dr. Gopiya Naik S</i>	
Designation,	<i>Professor</i>	
Department & Affiliated Institution	<i>Department of Electrical & Electronics Engineering, P.E.S College of Engineering, Mandya – 571 401</i>	
Research Area	<i>Power System Planning, Renewable Energy Systems</i>	
Contact Number	<i>+91 9481249509</i>	
Email ID	<i>gopiya.naik94@gmail.com</i>	

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
<i>Ph.D</i>	<i>-</i>	<i>IIT, Roorkee</i>	<i>2016</i>	<i>-</i>	<i>Awarded</i>
<i>M.Tech.</i>	<i>NIE, Mysore</i>	<i>University of Mysore, Mysuru</i>	<i>1999</i>	<i>67</i>	<i>I- Class</i>
<i>B.E</i>	<i>MCE, Hassan</i>	<i>University of Mysore, Mysuru</i>	<i>1992</i>	<i>58</i>	<i>II- Class</i>

Research Achievements/Awards

<i>Ph. D / M.Sc., Engg./M/Phil</i>	<i>Ph. D - Nil</i>	<i>M.Sc., Engg./M/Phil - Nil</i>
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Professional Experience

Organization & Department	Designation	Period	Total of Experience
<i>UBDTCE, Davangere</i>	<i>Lecturer</i>	<i>1994-1996</i>	<i>02 Years</i>
<i>BCET, Bangalore</i>	<i>Lecturer</i>	<i>1999-2000</i>	<i>01Years</i>
<i>SCE, Dharmapuri (TN)</i>	<i>Lecturer</i>	<i>2000-2001</i>	<i>01Years</i>
<i>PESCE, Mandya</i>	<i>Lecturer</i>	<i>2001-2003</i>	<i>02 Years</i>
	<i>Assistant Professor</i>	<i>2003-2006</i>	<i>03 Years</i>
	<i>Associate Professor</i>	<i>2006-2019</i>	<i>14Years</i>
	<i>Professor</i>	<i>2020 – Till Date</i>	<i>04Years</i>

Report of Work for the Academic Year : 2022-23

Academics	Description of Academic records
Teaching Records (Details of courses taught)	<i>Undergraduate: Power Transmission and Distribution, Renewable Energy Sources, Power System Analysis and Stability, Computer Techniques in Power Systems, PSS Lab, Electrical M/c Lab, etc.,</i>

Research Guidance (Ph.D /; Students awarded & pursuing)

Degree	Awarded	Pursuing
<i>Ph. D</i>	<i>-</i>	<i>04</i>
<i>M.Sc Engg./ M/Phil</i>	<i>-</i>	<i>-</i>

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
<i>Sponsored Research</i>	<i>-</i>	<i>--</i>	<i>-</i>

Research Publications in Refereed Journals and Conferences

No. of Publications in	National	International
<i>Journals</i>	<i>01</i>	<i>25</i>
<i>Conferences</i>	<i>-</i>	<i>05</i>

Other Important Responsibilities held in the College

<i>1. Academic Council Member</i>	<i>3. PESCE – IQAC coordinator</i>
<i>2. BoS and BoE member</i>	<i>4. PhD Examiner(Internal/External)</i>

LIST OF PUBLICATIONS

- [1] Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Impacts of distributed generation on distribution networks: A Review**”, *International Conference on Electrical and Electronics Engineering (ICEEE-2011)*, Bangalore (India), pp. 1-6, **November 2011**.
- [2] Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Optimal allocation of distributed generation in distribution system for loss reduction**”, *International Conference on Product Development and Renewable Energy Resources (ICPDRE 2012)*, Coimbatore, India, pp. 42-46, **February 2012**.
- [3] Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Planning and operation of DG in distribution networks**”, *International Journal of Emerging Technology and Advanced Engineering*, Vol. 2, No. 9, pp. 381-388, **September 2012**.
- [4] Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Distributed Generation impact on distribution networks: A Review**”, *International journal of Electrical and Electronics Engineering*, Vol. 2, No. 1, pp. 68-72, **2012**.
- [5] Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Sizing and siting of DG in distribution networks for real power loss minimization using analytical approach**”, *IEEE Conference on Power Energy and Control (ICPEC-2013)*, Dindigul (TN), pp. 740-745, February 6-8, **2013**.
- [6] Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Optimal allocation of combined DG and capacitor for real power loss minimization in distribution networks**”, *International Journal of Electric Power and Energy Systems*, Vol. 53, pp. 967-73, **2013**.
- [7] Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Analytical Approach for Optimal Siting and Sizing of Distributed Generation in radial Distribution Networks**”, *IET Generation, Transmission and Distribution*, Vol. 9, No. 3, pp. 209-220, **February 2015**.
- [8] Dr. Gopiya Naik S., Khatod D.K., “**Distribution Network Power Loss Minimization by Optimal DG Allocation**”, *International Journal of Electrical and Electronics Engineering (IOSR-JEEE)*, Vol. 11, No. 5, pp. 163-170, **Sept- Oct 2016**.
- [9] Dr. Gopiya Naik. S, Mohamed Adnan Khan, and Manojgowda S.P, “**Design and Implementation of Mobile Phone Signal Detector**”, *Journal of digital integrated circuits in electrical devices*, Vol. 2, No. 2, pp. 1-6, **2017**.
- [10] Dr. S. Gopiya Naik, Nagesh, Padmanabha, Sandeep, Shivakumara and Vivekachar, “**PLC based Electrical Demand Management in Sugar Industry**”, *International Journal of Electrical and Electronics Engineers*, Vol. 9, No. 2, pp. 390-401, **July-Dec. 2017**.
- [11] Dr, Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Optimal allocation of dispatchable and non dispatchable DG units in distribution networks**”, *International Journal of Electrical Engineering & Technology (IJEET)*, Volume 08, Issue 6, pp. 29-56, **Nov-Dec 2017**.
- [12] Dr. Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Optimal Network Expansion Planning using combined DG and Capacitor**”, *International Journal of Electrical Engineering & Technology (IJEET)*, Volume 09, Issue 1, pp. 1-17, **Jan-Feb 2018**.
- [13] Dr. Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Optimal allocation of DG in distribution networks for power loss saving**”, *International Journal of Electrical and Electronics Engineering (IOSR-JEEE)*, Vol. 13, issue 1, pp. 42-53, **Jan-Feb., 2018**.

- [14] Dr. Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Heuristic method for sizing and siting of DG in distribution system for voltage drop reduction**”, International Journal of Electrical and Electronics Engineering (IOSR- JEEE), Vol. 13, issue 1, pp. 54-65, **Jan-Feb., 2018**.
- [15] Dr. Gopiya Naik. S, Vibin, Ravi, Ramya, Arsiya., “**Programmable Protective device for LV distribution system protection**”, International academic journal on Protection and Control of Modern Power Systems (Springer), Vol. 3, No. 28, **September 2018**.
- [16] Dr. Gopiya Naik S ; T.A. Sunil Raj, C. Jagan, T. Kanagavel, N. Krishna Prashant, “**An Improved design of smart alarm system for hearing impaired people using Arduino**”, International Journal for Scientific Research and Development, Vol. 7, issue 1, **March 2019**.
- [17] Dr. Gopiya Naik S., Khatod D.K., and Sharma M.P., “**Optimal Sizing and Siting of DG in Electrical Networks based on Systematic method**”, International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, No.2, pp. 2674-83, **September 2019**.
- [18] Dr. Gopiya Naik S, Manoj Gowda S.P, Kisore G, “**Design and Implementation of Feedback Control System for 6- DOF Stewart Platform**”, International Journal of Advanced Research, Vol.7, No. 10, pp. 28-40, **October 2019**.
- [19] Dr. Gopiya Naik. S, Tejas, Manuja, Priyanka, Spoorthi, “**Automatic Strategy to Control Entire Villager’s Water Valves with User Level Authentication**”, International Journal of Research Publication, Vol. 9, No. 12, **December 2019**.
- [20] Manohara H.C, Dr. Gopiya Naik. S, Tejaswini K.P, et. al, “**OTP based Lineman Security System**”, International Journal of Engineering Research and Technology, Vol. 9, No. 2, pp. 194-199, **February 2020**.
- [21] Manohara H.C, Dr. Gopiya Naik. S, Uday M.J, “**Dual mode DC-DC Power Converter for Solar Battery Charger**”, SSRG International Journal of Electrical and Electronics Engineering, Vol. 7, No.7, pp. 1 - 5, **July 2020**.
- [22] Dr. Gopiya Naik S, Anupam R, Aiswarya D, et.al, “**Arduino based Earthquake Detector using Accelerometer**”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 9, No. 7, pp. 2003-2008, **July 2020**.
- [23] Dr. Gopiya Naik S, Subramanya Y A, Raghu M, “**IoT based Monitoring and Control of Faults in Power Distribution Transformers**”, SSRG International Journal of Electrical and Electronics Engineering, Vol. 7, No.12, pp. 37-41, **December 2020**.
- [24] Gauthami Eragamreddy, Dr. Gopiya Naik S, “**Design Requirements of Solar Powered Plug-in Hybrid Electric Vehicles**”, Turkish Journal of Computer and Mathematics Education, Vol. 12, No. 3, pp. 4635-4641, **April 2021**.
- [25] Venkata Saichand N, Dr. Gopiya Naik S, “**Epileptic seizure detection using novel Multilayer LSTM Discriminant Network and dynamic mode Koopman decomposition**”, Biomedical Signal Processing and Control, Vol. 68, pp. 1-12, **July 2021**.
- [26] Roop Kumar Dhanavath, Dr. Gopiya Naik S, “**Design of flexible floating point processing element architecture based on golay code strategy**”, International Journal of Wireless personal Communications (Springer Nature), Published online 24 **February 2022**.
- [27] Dr. Gopiya Naik S, et al., “**Battery Parameter Monitoring and Control System for Electric Vehicles**”, SSRG International Journal of Electrical and Electronics Engineering, Vol. 9, No.3, pp. 37-41, **February 2022**.

- [28] Dr. Gopiya Naik S , Deekshitha S , Deepashree R , Divya H S , Harshitha K N,” **AC Digital Smart Meter using Arduino and PZEM-004T**”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 11, No. 4, pp. 1610-1616, **April 2022**.
- [29] Roop Kumar Dhanavath, Dr. Gopiya Naik S, “**An Efficient Architecture Implementation of a Golay code Encoder in CMOS 45nm Technology**”, International conference on Electrical, Computer and Energy Technology, Prague, 20-22, **July 2022**.
- [30] Gauthami Eragamreddy, Dr. Gopiya Naik S, “**Modeling and Simulation of Solar Energy Storage System for Electric Vehicle**”, International Conference on Futuristic Technologies, IEEE Bangalore section, 25-27, **November 2022**.
- [31] Nagananda R, Dr. Gopiya Naik S, “**A novel study on EVs smart charging Optimization**”, IEEE, ICERECT at PESCE, Mandya, **15 March 2023**.