

RESUME



SUDHEEKSHA MISRA

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Career Objective

Seeking to work in a challenging environment that encourages learning, improve my technical & interpersonal skills, provide opportunities to shoulder responsibilities and stimulate personal and professional growth

Professional/Educational Qualification

- **M.Tech in Electrical Energy System** (Electrical Engineering) from G B Pant University of Agriculture & Technology with **CGPA 7.94**
- **B. Tech. (Electrical Engineering)** from G. B. Pant Engineering College Pauri, Garhwal (Uttarakhand) with **79.18%**
- **Intermediate** from St. Mary Sr. Sec. School Jawalapur Haridwar, Uttarakhand (CBSE Board) with **78.6%** in 2009
- **High school** from S.A.M.U.B Public School Haridwar, Uttarakhand (CBSE Board) with **77%** in 2007
- **Pursuing PhD** from G.B Pant Engineering College Pauri, Garhwal (Uttarakhand)

B.Tech, M.Tech and PhD Title:

- B.Tech Final year project on “Fuzzy Logic Based Maximum Power Point Tracking of Photovoltaic System”.
- M.Tech thesis title “Modelling and Simulation of Matrix Converter Using Space Vector Modulation Techniques”.
- PhD thesis title “Frequency Control of Microgrid under Islanding Detection Condition Using Artificial Intelligence”.

Published Article in SCI and Scopus Indexed Journal:

- Misra, Sudheeksha, Bhola Jha, and Vishnu Mohan Mishra. "A Novel Approach of Threshold Setting for the Detection of Islanding in Distribution Generation-based

Grid." *Advances in Electrical and Computer Engineering* 24, no. 4 (2024): 37-46. **(SCI-Indexed)**

- Misra, Sudheeksha, Bhola Jha, and V. M. Mishra. "A Novel Approach for Islanding Detection in Distributed Wind Energy Generators within Renewable Energy-Integrated Smart Grid using the 3-Parameter Sine Fit Algorithm." *International Journal of Electrical and Electronics Research* 12, no. Special issue (2024). **(Scopus-Indexed)**
- Misra, Sudheeksha, Bhola Jha, and V. M. Mishra. "A Novel Approach for Islanding Detection in Distributed Generation Systems using the 3-Parameter Sine Fit Algorithm to Improve Power System Reliability" *GMSARN* **(Accepted)(Scopus-Indexed)**

Published Article in International Conferences:

- Misra, Sudheeksha, and Sudha Arora. "Modelling and Simulation of Matrix Converter Using Space Vector Modulation Techniques." In *Proceedings of Integrated Intelligence Enable Networks and Computing: IIENC 2020*, pp. 949-965. Springer Singapore, 2021.
- Misra, Sudheeksha, Bhola Jha, and V. M. Mishra. "Modelling of Charging and Discharging of Electric Vehicle." In *2023 2nd International Conference for Innovation in Technology (INOCON)*, pp. 1-5. IEEE, 2023.

Published Article in Book Chapter:

- Misra, Sudheeksha, Bhola Jha, V. M. Mishra, and Surjeet Singh Patel. "Optimal Control Strategies for Mitigating Frequency Deviation in Microgrid-Based Smart Village Systems." In *Smart Village Infrastructure and Sustainable Rural Communities*, pp. 269-282. IGI Global, 2023.

Training:

- **6 weeks training at Bharat Heavy Electricals Ltd. Haridwar on 500MW Turbo Generator**
- Winter Training "**Introduction to PLC**" at Advanced Training Institute for Electronics and Process Dehradun
- Recent Trends in Instrumentation Engineering organized by NIT Uttarakhand

Short Term Courses, Workshop & Seminar:

- Antenna Design, Fabrication and Analysis at Institute of Technology Gopeshwar sponsored by TEQIP III.
- Autonomous Robotics conducted by i3indya Technologies in association with IIT Kanpur.
- Machine learning & Application organized by Department of Electrical Engineering, NIT Kurukshetra.
- Recent Trends in Microgrid organized by Department of Electrical Engineering, NIT Uttarakhand
- Artificial Intelligence and Deep learning workshop conducted by Department of Electronics and communication at Institute of Technology Gopeshwar.
- Electric Vehicles Exploring inside a Box, Emerging Technology in Industrial Automation organized by Siddhartha Engineering College Vijayawada.
- Electric Vehicle: Issues and Challenges by Department of Electrical Engineering at

Faculty Development Program:

- Issues & Challenges in Grid Integration with Renewable Energy Sources organized by Rajasthan Technical University, Kota.
- Techno- Economical and Environmental Aspects of Electrical Energy System for Sustainable Development.
- Advancement in IOT using Artificial Intelligence and Machine Learning organized by GBPIET, Pauri Garhwal.

Experience:

- Work as an Assistant Professor at Institute of Technology Gopeshwar for 18 month.
- Four year Research experience.

Qualified Exam:

- Qualified Gate exam in 2016 and 2017.

Technical Skills

- Basic knowledge of Ms Office, Matlab.
- Basic knowledge of C and C++

Personal Details

Name	: Mrs. Sudheeksha Misra
Father's Name	: Mr. Vijay Misra
Date of Birth	: 24 Dec, 1992
Sex	: Female
Marital Status	: Married
Nationality	: Indian
Religion	: Hindu
Languages Known	: English, Hindi

Declaration

I hereby declare that the above mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Pauri

Date: 12/09/2025

Sudheeksha Misra

