Ankit Srivastava

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Career Objective

A highly organized and diligent individual seeking a responsible academic position to leverage extensive experience and contribute effectively to an institution's educational and research objectives as an Assistant Professor.

Teaching Experience

- **Assistant Professor**, Electrical and Electronics Engineering Department, Pranveer Singh Institute of Technology, Kanpur
  March 2019 – July 2022
- **Guest Faculty**, Electrical Engineering Department, Harcourt Butler Technical University, Kanpur
  August 2015 – March 2019
- **Assistant Professor**, Electrical Engineering Department, Bhabha College of Engineering, Kanpur
  July 2014 – August 2015

Education

- **Doctor of Philosophy (Ph.D.) in Electronics and Communication Engineering** (Ongoing)
  Indian Institute of Information Technology, Prayagraj (2022 – Present)
- **Master of Technology (M.Tech) in Power Electronics and Drives** (71.5% Aggregate)
  Madan Mohan Malviya Engineering College, Gorakhpur, affiliated with Dr. APJ A. K. Technical University, Lucknow (2014)
- **Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering** (65.76% Aggregate)
  Pranveer Singh Institute of Technology, Kanpur, affiliated with Gautam Buddh Technical University, Lucknow (2011)
- **Intermediate Examination** (64.4% Aggregate)
  Central Board of Secondary Education (C.B.S.E.) (2006)
- **High School Examination** (73.6% Aggregate)
  Central Board of Secondary Education (C.B.S.E.) (2004)

Projects

- **M.Tech Dissertation: Performance Analysis of Distributed Generation System.**
  Description: This research focused on the development of a Solid Oxide Fuel Cell model within MATLAB to conduct a comprehensive performance analysis as a Distributed Generation system.
- **B.Tech Project: Speed Control of DC Motor Utilizing a Microcontroller.**
  Description: This project involved the design and implementation of a DC motor speed control system employing a PIC16f877a microcontroller, ensuring stable motor speed regulation irrespective of load variations.

Publications

- Singh, S. K., & Srivastava, A. (2016). Comparative analysis of different PWM techniques in five level inverters. *Journal on Electrical Engineering*, *10*(2), 27-33. ISSN: 2230-7176.
- Srivastava, A., & Singh, P. (2017). Analysis of vector controlled permanent magnet synchronous motor using MATLAB/Simulink approach. *Journal on Electrical Engineering*, *11*(1), 34-40. ISSN: 2230-7176.

- Srivastava, A., Singh, A., Singh, P., & Suman, S. K. (2018). Analyses of grid-connected hybrid PV/wind power generation system. In *Proceedings of the 5th IEEE UP Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018)*.
- Srivastava, A., Nishad, D., Maurya, R., & Singh, A. K. (2024). State-of-the-Art Power Converters for Nanogrid Architecture. In *2024 IEEE 11th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)* (pp. 1-7). doi: 10.1109/UPCON62832.2024.10983834.
- Nishad, D., Maurya, R., Srivastava, A., Prakash, S., & Singh, A. K. (2024). A Concise Review on the Advancement in Solar Thermal Technology: Harnessing Sustainable Energy for a Greener Future. In *2024 IEEE Region 10 Symposium (TENSYMP)* (pp. 1-6). doi: 10.1109/TENSYMP61132.2024.10752198.
- Srivastava, A., Nishad, D., Pandey, P., Maurya, R., Prakash, S., & Singh, A. K. (2024). Advanced Control of Power Converters for Enhanced Performance and Stability of Solar Photovoltaic Systems: A review. In *2024 IEEE 5th India Council International Subsections Conference (INDISCON)* (pp. 1-6). doi: 10.1109/INDISCON62179.2024.10744258.
- Maurya, R., Nishad, D., Srivastava, A., Rai, C., Prakash, S., & Singh, A. K. (2024). An Islanded DC Microgrid Blueprint for Residential Applications. In *2024 11th International Conference on Electrical and Electronics Engineering (ICEEE)* (pp. 226-231). doi: 10.1109/ICEEE62185.2024.10779305.
- Maurya, R., Srivastava, A., Nishad, D., & Singh, A. K. (2025). SARSA-Based Voltage Regulation of PV-Buck Converter System Under Multi-Nature Load Conditions. In *2025 IEEE 14th International Conference on Communication Systems and Network Technologies (CSNT)* (pp. 1356-1363). doi: 10.1109/CSNT64827.2025.10969065.
- Nishad, D., Srivastava, A., Maurya, R., Prakash, S., & Singh, A. K. (2025). Grid-Integrated Solar Power: A Conclusive Review on Technologies, Challenges, and Strategies. In *2025 8th International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech)* (pp. 1-6). doi: 10.1109/IEMENTech65115.2025.10959681.

Industrial Training

- Completed training in Mobile Communication at BSNL, Kanpur (2009).
- Completed training in the Electrical Maintenance Department at NTPC, Tanda (2010).

Faculty Development Programs and Workshops

- **Faculty Development Program on "Advanced Course on Antennas and Microwaves"**, Sponsored by TEQIPII, Harcourt Butler Technical University, Kanpur (January 30, 2017 – February 4, 2017).
- **Faculty Development Program on "Simulation Techniques of Power Electronics Converters (STPEC)"**, Sponsored by TEQIPII, Harcourt Butler Technical University, Kanpur (February 27, 2017 – March 4, 2017).
- **Faculty Development Program on "MATLAB & Its Applications"**, Sponsored by Dr. A.P.J. Abdul Kalam Technical University Lucknow, Allen House Institute of Technology, Kanpur (June 7, 2018 – June 11, 2018).
- **Workshop on Project Management**, E & ICT Academy, Indian Institute of Technology, Kanpur (August 24-28, 2020).
- **Faculty Development Program on Intelligent Control and Its Applications**, Harcourt Butler Technical University, Kanpur (August 16-20, 2021).
- **Workshop on Power Converters in Renewable Source Integrations: Fundamentals to Implementation**, Sardar Vallabhbhai National Institute of Technology, Surat (August 21-22 & 28-30, 2021).
- **Faculty Development Program on Current Advancements in Electric and Hybrid Vehicle Technology: Opportunities and Challenge (CADeHVT-2023)**, Amity University Lucknow Campus (July 8-14, 2023).

- **Workshop on Robotics**, Erasmus+ Project 'Capacity Building in Robotics and Autonomous System in India/ IRAS-HUB-101083029-IRAS-HUB-ERASMUS-EDU-2022-CBHE' (September 9-14, 2024).
- **Faculty Development Program on Leveraging Advanced Power Conversion Systems and Artificial Intelligence for Electric Vehicles**, Electronics and ICT Academy, NIT Patna and NIT Tiruchirappalli (May 8-21, 2025).
- **Training Workshop on "Academic Process for the Implementation of Outcome Based Education"**, Sponsored by TEQIPIII, HBTU, Kanpur in collaboration with Thiagaraja College of Engineering, Madurai (February 19-23, 2018).
- **Workshop on "Human Values and Professional Ethics"**, TEQIP III, HBTU, Kanpur (July 27-29, 2018).
- **Hands-on Workshop on "Analog Design"**, AKTU in collaboration with Sapience Consulting, under the Texas Instruments University Program India (August 31 – September 2, 2018).

Professional Development Courses

- Online non-credit course on Electric Power Systems, authorized by University at Buffalo and The State University of New York (Coursera).
- Online non-credit course on Solar Energy Basics, authorized by The State University of New York (Coursera).
- Online non-credit course on Linear Circuit-1 DC Analysis, authorized by Georgia Institute of Technology (Coursera).
- Online non-credit course on Linear Circuit-2 AC Analysis, authorized by Georgia Institute of Technology (Coursera).
- Artificial Intelligence Tools and Application at IIIT-A (30 Days, 2023).
- Artificial Intelligence and Robotics at IIIT-A (45 Days, 2024), Centre of Intelligent Robotics IIIT-A.

Technical Proficiencies

- **Programming Language:** C
- **Operating System:** Windows
- **Software:** MATLAB, MS-Office, Multisim

Achievements

- Successfully qualified GATE in 2012, 2016, and 2022.
- Qualified UGC-NET in June 2025 in Electronic Science, specifically for Ph.D. admission.

Personal Information

- **Father's Name:** Girish Chandra Srivastava
- **Date of Birth:** October 23, 1990
- **Nationality:** Indian
- **Languages Known:** Hindi, English

Declaration

"I hereby affirm that all information provided herein is accurate and complete to the best of my knowledge. I assume full responsibility for the veracity of the aforementioned particulars."

Date: -

Place: Prayagraj **(Ankit Srivastava)**