

SURYA PRAKASH TRIPATHI


(Assistant Professor)

14+ Years of Work Experience

M.Tech (Electrical Engineering)

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CAREER ASPIRATION

Looking ahead to work in an institute where growth opportunities are immense and where I can utilize my skills and can serve it for a long term.

PROFESSIONAL PROFILE

- Presently working as an Assistant Professor (Guest Faculty) in **Dr. Ambedkar Institute of technology for Divyangjan, Kanpur.**
- Gained expertise in ELECTRICAL ENGINEERING subjects.
- Capabilities of availing independent notes of independent subject to the students.
- Gathered a fair understanding of executing the strategy and structure of Theory and Numerical parts of the subject.
- Effective mentor combined with flexible and detail oriented attitude with the ability to interact effectively with students.
- Mentorship of Electrical Engineering subject expert in **GATE-MANTRA** and **VND institute.**

ACHIEVEMENTS

- Academic Excellence Award: 2018-19 (S.R.I.M.T.)
- Academic Excellence Award: 2017-18 (S.R.I.M.T.)
- Certificate of Excellence: Best Academic Department Award –Nov-2019-(S.R.I.M.T.)
- Five times **GATE Qualified** in **2011, 2012, 2013, 2014 & 2020** respectively.
- Certificate of Achievement: FDP Program-June-2020: (S.R.I.M.T.)

PROFESSIONAL EXPERIENCE

Since September'23 to present day: **Dr. Ambedkar Institute of technology for Divyangjan, Kanpur** as a Assistant Professor (Guest Faculty)

Job Responsibilities:

- Delivered Lecture of Fundamentals of Electrical Engineering in even and odd semester.
- Providing best notes for each subjects which are immense useful for carrying depth of subject.
- Almost attain 100 Percent result in my taught subjects.
- State of the art Question bank & Treasures preparation and their review for the quick revision during the Exams.
- Co-ordinate 1st Year students and provide my best possible effort with others Faculty for their subject understanding.

Since February'17 to September'23: S.R.Institute of Management and Technology, Lucknow as an Assistant Professor

Job Responsibilities:

- Delivered Lecture of PSA and NAS in even semester and Control system & BSA in odd semester.
- Providing best notes for each subjects which are immense useful for carrying depth of subject.
- Almost attain 100 Percent result in my taught subjects.

Since September'12 to August'14: Rama Institute of Engineering & technology, Mandhana , Kanpur as an Assistant Professor

Job Responsibilities:

- Delivering lecture of Control Systems, Basic System Analysis, Basic Electrical Engineering, EMEC, and Network Analysis & Synthesis, Power System Analysis to Engineering Graduates.
- Co-ordinate 1st Year students and provide my best possible effort with others Faculty for their subject understanding.
- Providing best notes for each subjects which are immense useful for carrying depth of subject.

Since Jan'11 to Jan'12: Pepsico India Holdings Pvt Ltd. Jainpur , Ramabainagar as a Production officer

Job Responsibilities:

- Gained expertise in both Carbonated and Hot fill beverage making
- Taking care of independent hot fill-grb line.
- Identifying the breakdown during running line and implementing corrective action against breakdown.
- Conducting preventive maintenance and maintaining records of the shift.
- Analyzing engineering potential, conceptualizing & executing strategies to drive production and achieving desired shift targets.
- **Machine Expertise:**Both type of filler i.e. counter pressure and Gravity filler, Bottle Washer Blow Molder Cooling Tunnel D.G. of 250, 500, 750, 1000&2000 KVA ratings, Automation drive VLT-2800 and FC-300.(Danfoss), Line Coding machine (Domino), PLC and SCADA.
- Surya Prakash Tripathi, Dr. S. P. Singh, Dr. Bhavnesh Kumar, "Performance Comparison of P&O and Fuzzy logic based MPPT Techniques using Ćuk Converter for Photovoltaic Energy Conversion Systems", International conference on Advance Computational Techniques in Information & Computational Technology (ICACTICT, ISSN No.: 978-93-86256-00-3, pp.120-127,September 23-24, 2016).
- Dr. S.P. Singh & Surya Prakash Tripathi, " Comprehensive Study of MPPT Techniques Used for Photo-Voltaic Energy Conversion System: A State-of-Art Review", INTERNATIONAL CONFERENCE ON ADVANCED

CONFERENCE ACTIVITY

AND AGILE MANUFACTURING SYSTEMS(ICAM, 16-17thDecember'2015, ISBN: 978-93-85777-03-05)

- Dilip Kumar, Abhinav & Surya Prakash Tripathi, "Performance Analysis of LSI and VSI Fed Induction Motor Drive", National Symposium on Framework for Future Technology and Management Practices for Sustainable Development (16 November'2013)

TRAININGS

- Faculty Development Program (FDP) on "Smart Grid & Automation" conducted by the department of Electrical Engineering during July 27-31, 2019 at IET, Lucknow.
- Faculty Development Program (FDP) on "Recent Advances in Renewable Energy Technologies and Smart Micro Grid" conducted by the department of Electrical Engineering during September 13-17, 2016 at K.N.I.T. Sultanpur.
- Technical training program on 'Solar Energy" conducted by The National Institute for Entrepreneurship and Small Business Development (NIESBUD) under Ministry of Skill Development and Entrepreneurship during June 18-19, 2016 at Lucknow (U.P).
- One week training at VARUN BEVERAGES, GREATER NOIDA on HOT FILL GRB.
- One month integrated training at BHARAT HEAVY ELECTRICALS LIMITED at BHOPAL on TRACTION MOTORS (TXM) & LARGE ELECTRICAL MOTORS (LEM).
- One month training at DATA EXPERT, KANPUR on C language

DOMAIN EXPERTISE

- Fundamentals of Electrical Engineering
- NETWORK ANALYSIS & SYNTHESIS
- CONTROL SYSTEMS
- POWER SYSTEM ANALYSIS
- ELECTRICAL MACHINES
- BASIC SYSTEM ANALYSIS

APPLICATIONS USED

- Language: Basic knowledge of C, C++, OOPS , MATLAB/Simulink
- Operating Systems: Microsoft Windows 98/NT/2000
- Microsoft Office Suit, G-Suit
- ChatGPT
- Visio, MathType
- Customer Relationship Manager (CRM)

Certifications

- Google Digital Garage: Fundamentals of digital marketing
- SMstudy: Certified Corporate Sales Associate Certification course

PROJECT UNDERTAKEN

Worked on execution of NEW HF-GRB line at PEPSICO INDIA HOLDINGS PVT.LTD., Jainpur, Ramabai Nagar as an ASSISTANT ENGINEER.

Clients

LINKER, TULA, TETRA PAK, DYNATRON, SELVEL, DANFOSS, L & T

QUALIFICATION

- Ph.D. Ongoing H. B. T.U. Kanpur
- M.TECH 2016 78.00% (I-Div-HONS) K.N.I.T, Sultanpur (AKTU)
- B.TECH 2010 73.12% (I-Div) B.B.D.N.I.T.M. Lucknow (G.B.T.U.)
- 12th 2003 65.80% (I-Div) S.S.I.C. Kanpur (U.P. Board)
- 10th 2001 71.16% (I-Div) R.K. M.H.S. Kanpur (U.P. Board)

PERSONAL DOSSIER

- Date of Birth: January 15, 1987
- Marital Status: Married
- Sex: Male
- Father's Name: Sri B.S. Tripathi
- Languages Known: English & Hindi
- Passport No. V0429197
- Permanent Address: 1/21 Kamla Nagar Kanpur-208005 U.P. (INDIA)

DECLARATION

I hereby acknowledge that the above information is true to the best of my knowledge and belief.

Place:

Date:

(SURYA PRAKASH TRIPATHI)