

CURRICULUM VITAE

GAURAV SHARMA

Present Address: Staff Residency

Pratap University, Jaipur
Sunderpura (Chandwaji),
Delhi-Jaipur Highway, Jaipur (Rajasthan) - 303104

Permanent Address: H. No. 205/11,

Near Bhalla Dairy,
Kundan Nagar,
Ajmer (Rajasthan) – 305001

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Date of Birth: 14th August, 1984.



ELECTRICAL ENGINEER

To exaggerate multi-dimensional skills in order to utilize my inherent qualities and acquired capabilities for the advancement of the organization and at the same time, foster my growth both professionally and personally which revealing to successful career.

PROFESSIONAL EXPERIENCE

ASSISTANT PROFESSOR

Pratap University Jaipur, Oct 2019 – Till Now

ASSISTANT PROFESSOR

Global Institute of Technology, Jaipur, Sept 2016 – Sept 2019

MAINTENANCE OFFICER (ELECTRICAL) AND ASSISTANT PROFESSOR

Dr. K. N. Modi University, Newai, Feb 2013 – Aug 2016

ELECTRICAL ENGINEER

Civtron Transformer Pvt. Ltd., Ajmer, Sep2011 – Dec 2011

ENGINEER TRAINEE

Pyrotech Electronics Private Limited, Udaipur, April 2011 – Aug 2011

ELECTRICAL ENGINEER TRAINEE

Power Electrical Co., Jaipur, July 2010 – March 2011

KEY RESPONSIBILITY

Maintenance Officer and Electrical Engineer

- Take care of Electrical maintenance of the whole campus and make sure to prevent any abnormal breakdown.
- To make the supply arrangement should be maintain and make necessary arrangement for it with the coordination of team.
- Take the corrective action for reduce the electricity bill as minimum as possible.
- Control the team for maintenance.
- Coordinate to superior and competent authority for availability of material and equipment's.
- Coordinate with the government JEN and AEN for campus Electricity work.
- Lead the team and observe the supply system timely for supply continuity.
- Take the quotation and analysis / compare them for the maintenance work or new installation.
- Observe the electrical problems and rectified as soon as possible.
- Identified and timely reported vital areas and risk involved in projects Design and Engineering also studied and vetted equipment drawing received from vendors for brought out equipment's/items.
- Accountable for calculations of actual Material Requirement and prepared Bill of Material & Indents accordingly for various types of Electrical Control Panels.

- Responsible for Project planning, scheduling and handling the projects on time also monitoring & followed up with customer, vendors and different internal departments for Step-by-Step activities getting done during execution of Project.
- Established the scope of improvement while maintained the quality and yield of product consistently and also maintained safety in the process and equipment as well as with operating personnel.
- Effectively ensured materials management and inventory control to maintain smooth flow of materials with minimum inventory holding.
- Executed cost saving techniques and modifications to achieve substantial reduction in various expenditures.
- Skillfully developed, managed and monitored the performance of multi-skilled work force.
- Collaborated with the team members and senior management to maintain a continuous stream of information regarding the project status and progress.

Assistant Professor

- Conducting lectures and preparing the material for graduate and undergraduate students.
- Researching on different subjects and submitting the research papers to the education management committee.
- Participate in student recruitment, registration, and placement activities.
- Collaborate with colleagues to address teaching issues.
- Serve on academic or administrative committees to deal with institutional policies.
- Acting as advisers to student organizations.
- Participating in campus and community events.
- Compile bibliographies of specialized materials.
- Preparing and delivering lectures to undergraduate and graduate
- Keeping abreast of developments in their field by reading current literature and participating in professional conferences.
- Initiate, facilitate, and moderate classroom discussions.
- Planning, evaluating and revise curricular, course content, and course materials and methods of instruction.
- Providing guidance to the students for developing their career as well as making them familiar with different career opportunities.
- Advising the assistant teachers and new candidates for making them efficient in their work.
- Carrying out the managerial as well as administrative duties, i.e. serving as the head of department and representing the University Charing Committee.
- Preparing teaching material and utilizing it for the progress of students.
- Helping the professor for creating the material for students.
- Managing the class of students in absence of the college professor as well as motivating students for having desired effects.
- Analysing the material for the students and providing them guidance on various aspects of the subjects.
- Utilizing the skills and qualities by assigning work to the students.
- Helping the students for completing their project works.
- Provide conceptual knowledge and make them visualize the things.
- Identify the weak points of students.
- Organize the industrial visit for students.
- Develop the extra-curricular activities of students.
- Provide support to weak students.
- Department NACC Coordinator
- Department Exam Coordinator

EDUCATIONAL CREDENTIALS

M. Tech. (Energy Systems), 2015

From Department of Electrical Engineering of Dr. K. N. Modi University, Newai with **8.65 CGPA**

Graduate Engineers Course on (Operation and Maintenance in Transmission and Distribution), 2012

National Power Training Institute (NPTI), Power System Training Institute (PSTI), Bangalore, under **Ministry of Power**, Government of India with **82%**

B.Tech. (Electrical Engineering), 2010

Ajmer Institute of Technology Ajmer under Rajasthan Technical University, Kota, with **71.15%**

Diploma in Electrical Engineering, 2007

Government Polytechnic College Ajmer under Board of Technical Education, Jodhpur

XII, 2003

St. Paul's Sr. Sec. School Ajmer under Board of Secondary Education, Rajasthan,

X, 2001

St. Paul's Sr. Sec. School Ajmer under Board of Secondary Education, Rajasthan, with 62.33%

Personal Qualities

- Good knowledge of electrical design engineering, planning, development, implementation & quality management.
 - Understanding of conducting Root Cause Analysis while implementing process improvement and cost reduction initiatives along with quality systems.
 - Focused and hardworking professional equipped with thorough knowledge and technical understanding coupled with an analytic bent of mind and confident to take challenging assignments.
 - Good motivational and leadership skills.
 - Strong analytical, logical and technical skills.
 - Ability to handle the students.
 - Ability to provide quality knowledge
 - Ability to work independently as well as in a team.
 - Good oral and written Communication.
 - Quick Learner, Confident, Punctual & Hard worker.
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IT Technical Skills Set

- 'O' level (With C Language),
 - Autocad
 - Matlab
 - MS Windows,
 - MS Office and
 - Internet Application
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Projects & Seminar

- Hybrid Power System for Mains Subsidization
 - Performance Analysis of Photovoltaic Water Pumping System for Irrigation
 - Magnetic Levitation Wind Turbine
 - Three Phase Dual Converter
 - DC Circuit Breaker using SCR
 - Contactor Based Lift Mechanism
 - Magnetic Levitation
 - Battery Charger
 - Solar charge controller
 - Bi-Toroid Transformer
 - Smart Blind Stick
 - Electricity Theft Monitoring System
 - Smart Metering System
 - Automatic Street Light Control
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Trainings and Visits

- One week training at HLTC(Hot Line Training Centre), Bangalore
- 22 MW Diesel Power Plant of KPTCL, Bangalore
- 400 KV NR Substation, Bangalore
- 220 KV NR Substation, Bangalore

- 66 KV Substation, Bangalore
- Gas Insulated Substation, Bangalore
- HVDC Kolar Substation, Bangalore
- SRLDC and SLDC, Bangalore
- CPRI(Central Power Research Institute), Bangalore
- BHEL Insulator Manufacturing Unit, Bangalore
- KAVIKA Transformer Manufacturing Company, Bangalore
- SBEE Cables Manufacturing Company, Bangalore
- One month training on PLC and SCADA at Sofcon India Pvt. Ltd. Ahmadabad
- One month training at 220 KV GSS Madar, Ajmer (Rajasthan)
- 33 KV Gas Insulated Substation Jaipur

FDP, Online Course and Webinars Attended

- Faculty Development Programme on “Achieving Academics Excellence to Development for Global level Achievement” by Dr. K. N. Modi University, Newai
- Power System Design & Analysis using DIGSILENT Power Factory Software with DELLSOFT Technologies Pvt. Ltd.
- How to become Online Teacher by Amity University
- NITTTR and AICTE Sponsored Short Term Training Programme (STTP) on “on VLSI design through ICT” ” by Department of Electrical and Electronics Engineering
- Accessibility of E-learning by Open Learn University UK
- Industry Tropicalisation by Anand International Collage of Engineering Jaipur
- IoT Systems by SA Engineering College Chennai
- Connected Device using Raspberry Pi & Cloud by CMR Engineering Collage & Pantech E Learning
- Importance of Mathematics by Pratap University Jaipur
- Robotics Process Automation by Oriental Institute Of Science & Technology , Bhopal
- AI Techniques in Power System by Guru Nanak Institutions Technical Campus
- Deregulation of Power System & Solar Forecasting by Dumka Engineering Collage
- Webinar On Iot Based Industrial APPLICATIONS by Srinivasa Institute of Engineering and Technology, Amalapuram and Pantech E Learning
- Tribological and Rheological Properties of Nanofluids by Pratap University Jaipur
- Smart Grids by GKM College of Engineering & Technology Chennai & Pantech E Learning
- Electrical Signals, Electronics & Instrumentation by Bhairab Ganguly College
- Power Converters for Transportation Electrification Applications by M. S. Ramahia Institute if Technology
- International Workshop on Energy Technology and Sensor Systems by IITDM Kancheempuram
- Recent trends in power management strategies for optimal operation of distributed energy resources in Micro grids by Mahatma Gandhi Institute of Technology, Hyderabad
- Power System Scenario by Mahatma Gandhi Institute of Technology, Hyderabad
- Artificial Intelligence in Electrical Engineering by Malla Reddy College of Engineering and Technology
- Artificial Intelligence in Power Grid Applications by MSIT , Delhi
- Electric Vehicle Desing using Matlab Simulink by RV CE Bengaluru
- Assessing the Efficacy of Drugs Currently in Use to Treat COVID-19 by Pratap University Jaipur
- Electric Vehicles by Institute of Aeronautical Engineering
- Smart grid technology and applications by Indur Institute of Engineering And Technology
- Hybrid Vehicles by Bonam Venkata Chalamayya Institute Of Technogy and Science And Pantech E Learning

- Design of Electric Vehicle by MSIT , Delhi & Pantech E Learning
- Power Intelligence and Asset Management in smart grids by Dept of EEE , Bhoj Reddy Engineering College for Women
- Career Oppurtunity and Skills in 21 Century by Department of Higher Education J&K, Interaction with NASA Scientist
- Privatisation of Electricity Market by Kalasalingam Institute of Technology, Krishnankoil, Tamilnadu.
- Electrical Engineering Yesterday Today & Tomorrow: The Key AreasOf Research" by Dr. D.P. Kothari (Ex Renewable Energy Society Of India (RESI)
- Physical model based design of a PV Systems by SRI G.C.S.R College, RAJAM & Pantech E Learning
- Generation z: demystified by pratap university jaipur
- Webinar on energy audit and its management by Department of Electrical and Electronics Engineering, Faculty of Engineering, Karpagam Academy of Higher Education, Coimbatore
- Latest Trends in Industrial Electrical Systems" by Uka Tarsadia University _C.G Patel institute of technology, Electrical Engineering Department - Bardoli
- Waste to Energy Generation: Materials and Techniques by Pratap University Jaipur
- Artificial Intelligence Techniques In Power Electronics by AITS JNTUA Rajampeta,AP
- Facts Controller By Pantech E Learning
- AI Applications In Electrical Drives By Dept Of EEE, Toch Institute Of Science And Technology And Pantech E Learning
- Island Innovation in India by Renewable Energy Society Of India (RESI)
- Integrating Energy, Climate Change and Development by Mizoram University
- Transient in Power System by Jaipur Engineering Collage Kukas jaipur
- Reliability Plan for Industrial Electrical Equipments by Uka Tarsadia University _C.G Patel institute of technology, Electrical Engineering Department - Bardoli
- Automation In Industry 4.0 by Dept of Electrical Engineering ,Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati And Pantech E Learning
- Operation and NextGeneration Restructured Low Carbon Power System by NIT Jhalander Punjab
- Global Renewable Power Generation Scenario & Challenges in Microgrids by NIT Silchar
- Guidelines for Sponsored Research Projects by Pratap University, Jaipur
- Cyber Security and Phasor Measurement Unit (PMU) for Renewable Energy Applications by Renewable Energy Society of India (RESI)
- Pelletization by Pratap University, Jaipur
- Quantum Science In Visible Range by Pratap University, Jaipur
- Basic Properties Of Fluid Flow And Its Behavior By Pratap University, Jaipur
- TEQIP-III Sponsored Expert Lecture on Project Management: Introduction by Stani Memorial Collage Phagi
- AICTE Sponsored Short Term Training Programme (STTP) on "ELECTRIC VEHICLE EVOLUTION - IMPACT ON POWER GRID" by Department of Electrical and Electronics Engineering of Sri Venkateswara College of Engineering (SVCE)
- Technical Session on "Hydrogen" by Renewable Energy Society Of India (RESI)

Membership

- International Association of Engineer
 - Editor at Advanced Research Publications (ADR) Journal
 - The Asia Society of Researchers (**ASR**)
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Paper Publication

- Uttam Kumar Gupta, Gaurav Sharma, “Importance of FACTS Devices in Power System”, 2nd Rajasthan Science Congress, DKNMU, Newai, 2014
 - Gaurav Sharma “Modelling and Simulation of Hybrid Power System for Mains Subsidization” Journal of Advanced Research in Power Electronics and Power Systems Volume 7, Issue 4 - 2020, Pg. No. 1-10
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Workshop Attended

- Institutional Training Program on Oil Conservation by Petroleum Conservation Research Association (PCRA).
 - Industrial Automation by Vision World Tech. Pvt. Ltd.
 - Automation Workshop by Dr. K. N. Modi University Newai.
 - Entrepreneurship Camp,
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Extra-Curricular Accolades:

Secured 1st Position in Carom (Doubles) Competition

Hobbies: Playing Computer Games, Watching Movies and Riding Bikes

Declaration

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

Date:

Place:

(Gaurav Sharma)