

# RESUME

## Rashmi Sharma

B. Tech. Electrical Engineering

M. Tech. Renewable Energy Technology

Pune, Maharashtra

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**Profile** Engineer who embraces modern principles and practices of Electrical and Energy Engineering especially in the area of green energy and its application in projects which advocate sustainable development.

### Qualifications:

- Master of Technology with specialization in Renewable Energy Technology from Rajasthan Technical University in year 2018 with 66.59 %.
- Bachelor of Technology with specialization in Electrical and Electronic Engineering from Vedant College of Engineering & Technology, Bundi, in year 2015 with 67.15 %.
- HSC from RBSE Board in 2010 year with 54.15 %.
- SSC from RBSE Board in 2007 year with 59.33 %.

### M. Tech Activities

- Seminar Project on “*Progress in the Research of Solar Tower*”.
- Thesis Topic on “*Performance Analysis of Six Grid Connected Biomass Power Plants in Different States of India*”.

### B. Tech Activities

- Seminar on “**Wireless Power Transmission**”
- Final year project on “**Auto Power Supply Control**” using four sources (mains, solar, inverter, generator) demonstrated using switches. (based on **embedded**)
- Organized an event and a Quiz Competition at Vedant College of Engineering & Technology, Bundi.

### Experience details:

- Currently working as Assistant Professor in Electrical Engineering Department at JSPM's Bhivrabai Sawant Institute of Technology & Research, Wagholi, Pune from 17/2/2022 to till date.

#### Key responsibilities:

- Teaching Subject Power System-1, Electric and Hybrid Vehicles, Electric Mobility & Industrial and Technology Management.
- In Department handling profile of
  - Project coordinator since May 2022.
  - Handle responsibility of Criteria 4 during NBA Committee visit
  - Minutes of meeting report for a 2 year.
  - Exam coordinator for a year.
  - Main Guardian Faculty Member of Third year students.
  - Working as Departmental NAAC & NBA Co-coordinator.
- Worked as a Examiner in SPPU university for 2021-22, 2022-23, 2023-24 & 2024-25.

- 2.5 years experience as Assistant Professor in Electrical Engineering Department at Bal Krishna Institute of Technology, Kota, Rajasthan.

**Key responsibilities:**

- Teach various Electrical Subject.
- Maintain Student database.
- Monitoring Student progress in subject.
- Active Participation in various college activities.
- Active participation in syllabus revision.

### Software /Tool

- PLC/SCADA Rockwell software, PV SYST, MATLAB, Simulink
- MS-Word, MS-Power Point, MS-Excel

### Industrial Visit

- Industrial visit to wind farm of Hindustan Zinc Limited at Osiyan, Jodhpur, Rajasthan.
- Industrial visit to Kuddankulam NPP, Tirunelveli & WTRS, Kaythar, Tamilnadu.
- Industrial visit to Ramanujan IT city (Green Building), Chennai.

### Technical Publications

- Published paper in IEEE 2024 International Conference on E-mobility, Power Control and Smart Systems (ICEMPS 2024) on “**Embedded Floating Bag for Military Use**”.
- Published paper in IEEE 9TH International Conference on Electrical Energy System (ICEES-2023) on “**Automatic Insecticide Spraying Drone**”.
- R. Sharma, B. K. Saxena, and K. V. S. Rao, “**Levelized Cost of Electricity and Plant Load Factor of 7.5 MW Grid Connected Biomass Power Plant**”, applied mechanics and materials, vol. 877, pp. 360-365, DOI: 10.4028/www.scientific.net/AMM.877.360 © 2018 Trans Tech Publications, Switzerland.
- R. Sharma, B. K. Saxena, and K. V. S. Rao, “**Economic Analysis of Two Grid Connected Biomass Based Power Plants of Rajasthan, India**”, in Proc. 2017 IEEE 2nd International Conference on Environmental Management and Green Technologies, Chennai, India. ISBN: 978-1-5090-4929-5, Sept. 2017.

### Training /Certificate Course/FDP/Workshop Attended:

- Attended workshop of **PLC and SCADA** at Rajasthan Technical University, Kota
- B. Tech 30 days Summer Training from **Kota Super Thermal Power Station, Kota** during 2013-2014.
- Participated in National conference on “**National Conference on Solar Thermal Energy Technologies**” (NCSTET 2016) at **IIT, Jodhpur, I.**
- Participated in National conference **NCGET-2016** at **Trichy, Tamilnadu.**
- Participated in Workshop of **Writing Academic Publications** Organized by **IIT, Gandhinagar.**
- Paper presented on “**Levelized Cost of Electricity and Plant Load Factor of 7.5 MW**”

**GridConnected Biomass Power Plant” at ICRAMMCE-2017 at Hyderabad, Telangana.**

- Presented a paper on **“Economical Analysis of Two Grid Connected Biomass Based PowerPlant of Rajasthan, India”** in ICEMGT-2018, Chennai.
- Certification course in **PLC & SCADA at KAIZEN ROBEONICS**, Jaipur during July, 2012.
- Certificate course in **Introduction of MATLAB** at Coursera.
- Attended Online 5 day’s National level Faculty development program on **“Research Innovations and Emerging Advance in Electrical Engineering”** organized by **AITAM, Tekkali** on 4<sup>th</sup> -9<sup>th</sup> April 2022.
- Attended Online 5 day’s National level Faculty development program on **“Inculcating Universal human values in Technical Education”** conducted by **AICTE** on 19<sup>th</sup> -25<sup>th</sup> December 2022.
- Attended one-week National level Faculty development program on **“Data Science and Cyber Security”** conducted by **AICTE ATAL** organized by **JSPM BSIOTR** on 8<sup>th</sup> -13<sup>th</sup> January 2023.
- Attended Online one week Faculty Development Program on **“Solar PV System and Its Applications”** organized by **Annant Gyan** on 27<sup>th</sup> March to 1<sup>st</sup> April 2023.
- Attended Online one-week National level Faculty Development Program on **“Recent Advances and Challenges in Electric Vehicles”** organized by **K J College of Engineering and Management Research** on 21<sup>st</sup> to 25<sup>th</sup> Aug. 2023
- Attended Online 7 days Faculty Development Program on **“Recent Trends in Renewable Energy System”** organized by **JSPM’s RSCOE, Pune** on 03-09 Oct. 2023.
- Presented a paper on **“fake candidates identifier during competitive exam”** in **4th International Springer Conference. Emergent Converging Technologies and Biomedical Systems (ETBS 2024) Organized by Sanjivani College of Engineering, Kopargaon** on **27 & 29 April 2024.**
- Presented a paper on **“Designing and implementation on online UPS system”** in **4th International Springer Conference. Emergent Converging Technologies and Biomedical Systems (ETBS 2024) Organized by Sanjivani College of Engineering, Kopargaon** on **27 & 29 April 2024.**
- Attended Online 5 day’s National level Faculty development program on **“Essentials of Outcome Based Education (OBE)”** conducted by **JSPM BSIOTR** on 18<sup>th</sup> -22<sup>th</sup> June 2024.
- Attended Online one week National level Faculty development program on **“Resilient Integrated System with Energy Produced by Optimized Widespread Energy Renewable”** conducted by **NIT, Patna** on 22<sup>th</sup> -26<sup>th</sup> June 2024.
- Attended Online 5 day’s National level Faculty development program on **“Innovative Teaching Learning in Perspective with NEP 2020”** conducted by **JSPM BSIOTR** on 26<sup>th</sup> -31<sup>st</sup> December 2024.
- Attended one-week National level Faculty development program on **“Electric Vehicles and Hydrogen Fuel Cell”** conducted by **AICTE ATAL** on 13<sup>th</sup> -18<sup>th</sup> January 2025.

#### **Achievement:**

- Completed NPTEL 8-week Online Course of **Soft Skills Development** in **Jan- Mar 2023.**
- Completed NPTEL 8-week Online Course of **Smart Grid Basic to Advanced Technologies** in **July-Oct 2023.**
- Completed NPTEL 8-week Online Course of **Enhancing Soft Skills and Personality Development** in **Feb-Apr 2024.**

**Strength:**

- Ability to Design Circuits and analysis using MATLAB software.
- Ready to take challenge with an aspiration to complete
- Self motivated , Hard working

**Personal Details:**

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|------------------|---|------------------|
| • Father's Name  | : | Ram Gopal Sharma |
| • Date of Birth  | : | 14-05-1992       |
| • Nationality    | : | Indian           |
| • Language Known | : | Hindi, English   |
| • Marital Status | : | Married          |

**Declaration**

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

Rashmi Sharma