



# Mona Rani

National Institute of Technology Hamirpur  
Electrical Engineering

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NIT Hamirpur

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## Educational Qualification

Degree	Board/University	Year	Percentage/CGPA	Division
M.Tech (Power System)	National Institute of Technology, Hamirpur	2022	8.68	First
B.Tech (Electrical Engineering)	Rajkiya Engineering College, Ambedkar Nagar	2016	74.30%	First
Class XII	Nirmala Convent Sr Sec School Kathgodam Nainital	2009	81.60%	First
Class X	Beersheba Sr Sec School Haldwani Nainital	2007	75.80%	First

## Internship

I successfully completed my vocational training of one month from **NARORA ATOMIC POWER PLANT, Narora** in **Electrical Maintenance Department**.

## Skills

- MS OFFICE: WORD, POWERPOINT, EXCEL
- MATLAB
- SIMULINK

## Project Work

- **UG Project**-Wireless mobile charger based on induction coil.
- **PG Project**-Estimation of State of Charge (SOC) of Li-ion battery based on Extended Kalman Filter (EKF).

## Area of Interest

- Power system
- DC-DC Converter
- Network analysis & Control system
- Digital electronic

## Academic Achievements and Co-Curricular Events

- Published a paper in Springer **"A Brief Review of different estimation methods of SOC for Li-ion battery"** in **ICSTACE 2021 Conference** held at SVNIT Surat, Gujarat.
- Attended **"Three Day Workshop on MATLAB"** organized by the **Department of Electrical Engineering at REC Ambedkar Nagar**.

## Work Experience

### Assistant professor (Aug 2022-Present)

- Currently working as an "Assistant Professor" at **Rajkiya Engineering college Ambedkar Nagar** Uttar Pradesh India.