

EDUCATION

MITx

Micromasters in Data Science and Machine Learning

SMVD UNIVERSITY

M.Tech in Electronic and Communication

UNIVERSITY OF KASHMIR

B.Tech. in Electronic and Communication

PROJECTS

- Low Voltage Design of Activation Functions and Neural Networks Using Sinh Companding.
- Investigation of Thermoelectric Generator for Increasing Efficiency of Photovoltaic Thermal Systems.

SOFTWARES, LANGUAGES AND TOOLS

- *Python, MATLAB, Arduino, SPICE, Multisim, Eagle, Mentor Graphics, COMSOL Multiphysics, C programming*

RELEVANT EXPERIENCE

Teaching Assistant, SMVD University

Aug 2018 – Jan 2019

- Trained undergraduate students on circuit simulation tool (Mentor Graphics).

QUALIFYING EXAMINATIONS

- UGC NET in Electronics Science
- GATE in *Electronics and Communication Engineering*
- GATE in *Data Science and Artificial Intelligence*

CONFERENCE PAPERS

- **Mir Yavar Hayat**, Purnima Hazra, "Recent Developments on Design Parameter Optimization to Enhance the Performance of Photovoltaic-Thermoelectric Generator Systems", International Conference on Recent Advances in Interdisciplinary Sciences, University of Jammu.
- **Mir Yavar Hayat**, Purnima Hazra, "Mathematical Modelling and Performance Analysis of Spectrum Splitting Photovoltaic Thermoelectric Generator System", 3rd International Conference on Condensed Matter & Applied Physics (ICC-2019), Bikaner.

TRAINING PROGRAMS & WORKSHOPS

- 4 weeks industrial training in BRBRAIN, Jabalpur, Madhya Pradesh.
- 2 weeks refresher course on *Introduction to MATLAB and Research Enhancement Tools* organised by School of Electronics & Communication Engineering, SMVDU, Katra.