

NITISH RAWAT

Assistant Professor

Department of Electrical Engineering

G. B Pant Institute of Engineering and Technology, Ghurdauri,
Pauri (Garhwal), Uttarakhand, 246194

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Objective:

To work in an organization where my intelligence can be appreciated and give me a respect at that particular place.

Professional Experience:

Working as an Assistant Professor in the Department of Electrical Engineering, Govind Ballabh Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal) from 8th August 2013 to till now.

Educational Qualification:

S.No.	Name	Year	Board/University	Division	Percentage
1.	High School	2005	CBSE	I st	69.80
2.	Intermediate	2007	CBSE	I st	67.40
3.	B.Tech (Electrical and Electronics Engineering)	2011	Uttarakhand Technical University	I st	65.04
4.	M.Tech (Control System)	2013	Graphic Era University	I st	68.14

Pre Final Year Training:

- Training from B.S.N.L Telecom Department, Srinagar (Garhwal), Uttarakhand during 22nd June 2010 to 19th July 2010.

Other Courses:

- FuturZ Course from NIIT Institute, Srinagar (Garhwal) during June 2006 to June 2007.

Hobbies:

- Listening Music
- Playing Cricket
- Travelling
- Watching Movies

Software Proficiency:

- Basics of Computer, MS Office
- Programming Languages: C, C++, Java, MATLAB, LabVIEW

Strengths:

- Self Confidence
- Positive Thinking
- Hard Working
- To want great achievements and good progress in life

Achievements:

- Qualified MAT in September 2010 with a percentile of 66.37 and a composite score of 589.5.

Work Experience:

- Course Counsellor of B.Tech 2nd Year (EE) from January 2017 to June 2017.
- Course Counsellor of B.Tech 2nd Year (EE) from August 2018 to May 2019.
- Course Counsellor of B.Tech 1st Year (EE) from August 2019 to May 2020.

Projects:

Area of Specialization: Protection of Electric Devices

B.Tech:

Title: “Input and Output Timing Device for the protection of Transformer”

In this project, the electrical products are protected by fusing from under voltage and over voltage variations or fluctuations. For this, an IC 555 is used as a timer circuit with the combination of electromagnetic relay and LED in both the sides i.e. input and output port of an electric circuit to avoid damaging of devices. The electrical product assumed as a transformer.

Area of Specialization: Power System Stability and Control

M.Tech:

Minor Project:

Title: “Active and Reactive Power Flow Control using FACTS Device”

In this mini project, the power flow (i.e. active and reactive) is controlled with the help of simulation of location of FACTS device which is placed at the mid-point location of AC transmission line system. The FACTS device which is taken as: UPFC. Simulation is done on 5 bus system for results. Here, UPFC is checked for its performance.

Major Project:

Title: “Positioning of FACTS Device in AC Transmission Line System”

In this final project, an AC transmission line system is designed with the use of FACTS device and then determines the exact location of FACTS device using simulation which can control the parameters (i.e. active and reactive power flow control) in AC transmission line system. The FACTS device which is consider here: STATCOM. Simulation is done on 3 bus system for results. Also, STATCOM is analysed for its working.

Publications:

International Conferences:

1. Nitish Rawat, Ashutosh Bhatt and Pankaj Aswal, “**A review on optimal location of FACTS devices in AC transmission system**”, IEEE International conference on power, energy and control, Dindigul, Chennai, Tamilnadu, India, ISSN No: 978-1-4673-6030-2, PP 104-109, 6-8 Feb, 2013.

Research Books:

1. Nitish Rawat, Ashutosh Bhatt, Pankaj Aswal, “**Performance of UPFC to control active and reactive power flow**”, ISBN No: 978-3-659-77474-4, Lambert Academic Publishers, August, 2015.
2. Nitish Rawat, Ashutosh Bhatt, Pankaj Aswal, “**Location of STATCOM in long AC transmission line system**”, ISBN No: 978-3-659-77515-4, Lambert Academic Publishers, August, 2015.

Department Activities:

- Participated as a member of organizing committee in NCTREE 2014 (22-23 May, 2014) organized by the Department of Electrical Engineering, G. B Pant Engineering College, Ghurdauri, Pauri (Garhwal), Uttarakhand.
- Participated in two days workshop on Virtual Labs (08-09 April 2017) conducted by Team Virtual Labs, IIT Roorkee at Department of Electrical Engineering, G.B Pant Engineering College, Ghurdauri, Pauri (Garhwal), Uttarakhand.
- Participated as a member of organizing committee for the two day seminar on Recent Trends in Electrical Engineering with Emphasis on Renewable Energy (16-17 November 2017) organized by the Department of Electrical Engineering, G. B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand.
- Participated in Stakeholders’ Training Programme on Energy Conservation Building Code 2017 (8-9 May 2018) sponsored by UREDA, Uttarakhand and organized by the Department of Electrical Engineering, G. B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand.
- Participated as a member of organizing committee in short term course on Smart Grid Technology and Its Application – III (10-14 September 2018) jointly organized by the Department of Electrical Engineering, G. B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand and Andhra University College of Engineering, Vishakhapatnam.
- Participated as a member of organizing committee in short term course on Recent Trends in Renewable Energy Systems (26-30 November 2019) jointly organized by the Department of Electrical Engineering, G. B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand and Andhra University College of Engineering, Vishakhapatnam.
- Participated as a co-coordinator in two week online internship program on MATLAB, VLAB and Applications in Electrical Engineering (17-28 August 2020) organized by the Department of Electrical Engineering, G. B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand in collaboration with SmartBrains Engineers and Technologist Pvt. Ltd., Noida.
- Participated as a co-coordinator in two week online international faculty development program on Techno-Economical and Environmental Aspects of Electrical Energy Systems for Sustainable Development (7-18 September 2020) organized by the Department of Electrical Engineering, G. B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand.

- Participate as a member of organizing committee in one week online short term course on Technological Innovations and Challenges in Biomedical Instrumentation (23-27 November 2020) organized by the Department of Electrical Engineering and Department of Biotechnology, G B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand.
- Participated in short term course (Hybrid Mode) on Electric Vehicles: Issues and Challenges (02-06 June 2025) organized by the Department of Electrical Engineering, G. B Pant Institute of Engineering and Technology, Ghurdauri, Pauri (Garhwal), Uttarakhand.

Other Activities:

- Nominated as a Department Coordinator for JOSH 2017.
- Nominated as s Department Coordinator for JOSH 2018.
- Nominated as s Department Coordinator for JOSH 2019.
- Nominated as a Member of BOS 2018 (B.Tech) in the Department of Electrical Engineering.
- Nominated as a Member of BOS 2019 (M.Tech) in the Department of Electrical Engineering.

Projects Supervised:

1. Project entitled “**Active and Reactive Power Flow Control using UPFC in AC Transmission Line System**” as a co-guide for the group named “Suman Rawat, Swati Rani, Uma Bharti, Vaishnavi Semwal” of B.Tech Final Year Electrical Engg submitted in June 2014.
2. Project entitled “**Study of Unified Power Quality Conditioner for Power Quality Improvement**” as a guide for the group named “Ashwani Chandola, Siraj, Rahul Negi, Arun Saini” of B.Tech Final Year Electrical Engg submitted in June 2019.
3. Project entitled “**Power System Transient Stability by SVC and STATCOM in AC Transmission Line System**” as a guide for the group named “Laxman Singh, Harshita Sah, Ujjawal Pal, Soni Gaur” of B.Tech Final Year Electrical Engg submitted in June 2019.
4. Project entitled “**Optimal Placement of Unified Power Flow Controller for Stability Enhancement**” as a guide for the group named “Sushant Rawat, Pulkit Rajput, Ashish Bartwal, Pooja Yadav” of B.Tech Final Year Electrical Engg submitted in June 2019.
5. Project entitled “**Wireless Power and Data Transmission through LASER**” as a guide for the group named “Ashish Chauhan, Ashish Kumar, Priyanshu Negi, Snehddeep Kunwar” of B.Tech Final Year Electrical Engg submitted in August 2020.
6. Project entitled “**Monitoring and Controlling of Boiler Water using Embedded System and LABVIEW**” as a guide for the group named “Aman, Javed Ansari, Nitish Semwal, Jai Yadav” of B.Tech Final Year Electrical Engg submitted in August 2021.

Personal Information:

- **Father's Name:** Dr. M.S Rawat
- **Mother's Name:** Mrs. Geeta Rawat
- **Martial Status:** Unmarried
- **Nationality:** Indian
- **Date of Birth:** 10th March, 1990

Declaration:

I want to declare that the above information of me is authentic and it will be shown fairly as well as my best.

Date:

Place:

(NITISH RAWAT)