

Dr. Manoj Tripathy

PROFESSOR, DEPARTMENT OF ELECTRICAL ENGINEERING, IIT ROORKEE
Phone No: +91-9412015058, E-Mail-manoj.tripathy@ee.iitr.ac.in/tripathy.manoj@gmail.com

Academic Qualifications

Post-Doctoral Fellowship (BOYSCAST Fellowship)	Univ. of Western Ontario, Canada	2009-10	Title- Power System Protection and Automation
Ph. D.	I.I.T.R	2008	Title- Application of Neuro-Fuzzy Techniques for Power Transformer Protection
M. Tech.	A. M. U. Aligarh	2002	Specialization- Instrumentation & Control
B. Tech.	Nagpur University	1999	Branch- Electrical Engineering

Professional Experiences:

1 August'23 to till Date	Professor	IIT Roorkee, U.K., India
29 April'16 to 31July'23	Associate Professor	IIT Roorkee, U.K., India
April'11 to 28 April'16	Assistant Professor	IIT Roorkee, U.K., India
Dec.' 07 to April'11	Assistant Professor	MNNIT, Allahabad, U.P., India

Current Area of Research Interest: Automation, Cyber security of Smart Grid/Microgrid, Machine Learning, Smart Grid/Microgrid Protection, Power System Protection, Digital/Numerical Relays, Artificial Intelligence Based Relays, Relay Testing, Neuro-fuzzy Technique, Protection Scheme Development for a Line with FACTS devices, Testing of Electrical/ Electronic Equipment, Calibration of Electrical/Electronic Meters, Signal Processing problems, Speech Signal Enhancement Technique.

Memberships of Professional Bodies:

- Life member, the Institution of Engineers (India)
- Senior Member of IEEE Power & Energy Society
- IET Member

Short-Term Course Organized: 26

Consultancy Project: 55 (Effective Cash Inflow since 2012-2023): **Rs. 2.5 Cr./=** (Approx.)

Research Project: 04 (PI) & 05 (Co-PI)

Patent: 02

Honor/Scholarship:

- (1) Institute Fellowship sanctioned by MHRD, Rs. 10,000/ pm & Rs. 20, 000 per year as contingency
- (2) Selected for **BOYSCAST Fellowship** 2009-2010 by Department of Science & Technology, MHRD
- (3) International Conf. travel Grant 2023, Rs.1,58,302 by Department of Science & Technology, SERB

Administrative/ Other Activities (At IIT Roorkee):

- (1) Hindi Cell Chairman-14 October 2019-September 2022
- (2) Expert Member of Small Hydro Power Plant of Hydro and Renewable Energy Department
- (2) Development of Standard and Calibration Laboratory at Department of Electrical Engineering
- (3) Warden of Azad Bhawan, IIT Roorkee from 1st April 2013 to 30 March 2015
- (4) Official In-charge of Labs, and selection committee member of Ph.D., M.Tech. & JRF, etc.

Number of Ph.D. students supervised: 06 (degree awarded), & 8 (in progress)

Number of M. Tech. Students Supervised: 41 Completed and 02 (in progress)

Number of B. Tech. Students Supervised: 27 Completed and 6 (in progress)

Book Chapter: 05

Book: 02

Number of Int. Journal Papers: 50

National Journal: 01

Int. Conf. Papers: 95

National Conf. Papers: 11

Date: 17-08-2023

Place: Roorkee

(Manoj Tripathy)