

## **Paresh Kumar Nayak**

Assistant Professor  
Department of Electrical Engineering  
Indian School of Mines  
Dhanbad-826004, Jharkhand, India  
Phone (O): 0326 -2235153  
E-mail: paresh@iitism.ac.in, pareshkumar.nayak@gmail.com



### **Educational Qualifications:**

**Ph.D. (Engg.) 2014**, Department of Electrical Engineering, Indian Institute of Technology Kharagpur, Kharagpur-721302, India.

**Thesis Title:** Innovative Algorithms to Support Distance Relay for Different Power Networks during Critical Conditions.

**Msc (Engg.) 2003**, Specialization – High Voltage Engineering, Department of High Voltage Engineering, Indian Institute of Science, Bangalore-560012, India.

**Thesis Title:** Experimental Investigations on the Lightning Surge Response of Some Lightning Protection Systems.

**B.E. 2000, Specialization** – Electrical Engineering, Veer Surendra Sai University of Technology, (Formerly University College of Engineering) Burla-768018, Odisha, India.

### **Work Experience:**

#### **Teaching Experience:**

##### **19.08.2014 – present:**

Assistant Professor, Department of Electrical Engineering, Indian School of Mines, Dhanbad – 826004, Jharkhand, India.

##### **12.09.2013 – 18.08.2014:**

Assistant Professor, Department of Electrical Engineering, National Institute of Technology Patna, Patna-800005, Bihar, India.

##### **01.08.2008 – 14.07.2009:**

Assistant Professor, Department of Electrical Engineering, KIIT University, Bhubaneswar, Odisha, India.

##### **08.08.2005 – 31.07.2008:**

Senior Lecturer, Department of Electrical Engineering, KIIT University, Bhubaneswar, Odisha, India.

##### **05.07.2000 – 09.05.2001:**

Lecturer (part time), Department of Electrical Engineering, Veer Surendra Sai University of Technology, (Formerly University College of Engineering) Burla-768018, Odisha, India.

#### **Industry Experience:**

##### **November 2004 to July 2005:**

Transformer Design Engineer, Transformers and Rectifiers (India) Ltd., Ahmadabad, Gujarat, India.

**March 2004 to October 2004:**

Management Trainee, Transformer Design, Kirloskar Electric Co. Ltd., Bangalore, Karnataka, India.

**Courses Taught:**

Basic Electrical Engineering, Network Theory, Electrical Machines-I and II, Electrical Power Transmission and Distribution, Electromagnetic Field theory, Control System-I, High Voltage Engineering, Utilization of Electric Power, Renewable Energy, Reactive Power and Voltage Control, Switchgear and Protection etc.

**Laboratories taken:**

Basic Electrical Lab, Electrical Machines Lab – I and II, Network Lab, Power System Lab, Power System Protection Lab, Modelling and Simulation Lab etc.

**Ph.D Guidance: 05 (On Going)****M. Tech Project Guidance:**

Total No. Of Students: 15

**Invited Lecture Delivered:**

**Title of Lecture:** “Effects of Transient Surges/ Over Voltages due to Lightning”.

**Programme Name:** Seminar-cum-workshop on “Disaster Mitigation Program against Lightning” on 25<sup>th</sup> July 2008.

**Organisation:** Institution of Engineers (India), Bhubaneswar, Odisha.

**Membership in Professional Associations:**

Life Member, Indian Society for Technical Education (ISTE), LM-54491

Member IEEE, USA

**Professional Services:**

Reviewer:

IEEE Trans. on Power Delivery, IET Generation Transmission and Distribution, IET Science Measurement and Technology, Electric Power Components and Systems (Taylor & Francis), Int. Journal Electric Power Energy System (Elsevier Science).

**Academic Honours and Awards:**

“POSOCO Power System Award (PPSA)” from Power System Operation Corporation (POSOCO), a subsidiary of Power Grid Corporation of India Ltd (POWERGRID) and Foundation for Innovation & Technology Transfer (FITT), IIT, Delhi in 2015 for research carried out at doctoral level.