

## **SANJAY PAL**

Assistant Professor, Department of Electrical Engineering

BIT Sindri, Dhanbad, Jharkhand, India

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## **ABOUT ME**

I am a highly skilled Electro-Technical Calibration Expert with over a decade of experience in the field, calibration methodologies as per NABL ISO/IEC 17025 standards. My career has spanned both industry and academia, with a strong background in calibration techniques and a deep passion for educating the next generation of engineers. Additionally, I have a keen interest and skill in photography. Currently, I am serving as an Assistant Professor at BIT Sindri, where I continue to contribute to the advancement of electrical engineering.

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## **PROFESSIONAL EXPERIENCE**

### **Assistant Professor**

#### **BIT Sindri, Dhanbad**

*January 2023 - Present*

- Conducted lectures and practical sessions for undergraduate and postgraduate courses in Electrical Engineering.
- Supervised student projects and dissertations.
- Engaged in curriculum development and academic research activities.
- **Institute-Level Responsibilities:**
  - Member of Construction Committee.
- **Department-Level Responsibilities:**
  - Professor in-charge of Measurement and Instrumentation Lab.
  - Professor in-charge of Computational Lab.
  - Professor in-charge of Departmental Newsletter.
  - Coordinator for NPTEL, MOOCs, and SWAYAM Prabha.
  - Entrepreneurship Coordinator.

### **Assistant Professor**

#### **Central Institute of Petrochemical Engineering & Technology (CIPET), Lucknow**

*August 2012 - January 2023*

- Delivered lectures on various subjects related to Electrical Engineering.
- Coordinated industry-academic collaboration projects.
- Organized and participated in faculty development programs and workshops.
- **Additional Responsibilities:**
  - Calibration of electro-technical parameters as per NABL ISO/IEC 17025 standards.
  - Electrical Maintenance In-charge, overseeing maintenance, tender document preparation and safety aspects in the institute.

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## EDUCATIONAL QUALIFICATIONS

**Ph.D. in Electrical Engineering** (Pursuing)  
*National Institute of Technology, Jamshedpur*

**M.Tech in Electrical Engineering**  
*Indian Institute of Technology (BHU), Varanasi*

**B.Tech in Electrical Engineering**  
*Uttar Pradesh Technical University, Lucknow*

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## AREAS OF EXPERTISE

- Calibration of Electro-Technical Parameters as per NABL ISO/IEC-17025
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## PROJECTS & DISSERTATIONS

- **M.Tech:** Torque Ripple Minimization in Switched Reluctance Motor Drives using Fuzzy Logic Control  
*Supervised by Prof. J.P Tiwari and Dr. R.K Singh, Dept. of Electrical Engineering, IIT BHU Varanasi*
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## WORKSHOPS/STTP/TRAINING ATTENDED

- **Universal Human Values-II Faculty Development Program**  
*Organized by AICTE at SRMCEM College, Lucknow, 16th-20th January 2024*
- **NEP 2020 Orientation and Sanitization Program**  
*Malaviya Mission Teachers Training Program of UGC, Organized by IIT ISM Dhanbad  
18th December 2023 - 30th December 2023*
- **Technical Teachers Training (NITTT Modules)**  
*Completed 8 modules under the National Initiative for Technical Teachers Training  
sponsored by AICTE in September 2023*
- **STC on Real-Time Simulation for Power Electronics and Power Systems Application**  
*Organized by NIT Jamshedpur, 21st August 2023 - 25th August 2023*

- **Entrepreneurship Faculty Development Programme**

*Innovation & Incubation Center, BIT Sindri, Dhanbad*

*Sponsored by BIT Sindri Alumni Association of North America (BITSAANA) 5th-15th July 2023*

- **Electrical Vehicle: Challenges & Opportunities**

*Department of Electrical Engineering, BIT Sindri | Online | 5 days | 2022*

- **Active Distribution Network: Challenges and Solutions**

*Department of Electrical Engineering, BIT Sindri | Online | 5 days | 2022*

- **National Education Policy: Implementation Strategies in Engineering & Tech Institutions**

*AICTE-QIP Sponsored | Online | 5 days | 2022*

- **Orientation on NABL ISO/IEC-17025:2017 & Its Implementation**

*CIPET, Lucknow | Offline | 2 days | 2018*

- **ISTE STTP on Electric Power System**

*IIT Kharagpur | Online | 2 weeks | 2017*

- **Quality Management System & Internal Audit as per NABL ISO/IEC 17025:2005**

*CIPET, Lucknow | Offline | 4 days | 2017*

- **Training on Calibration Techniques for Electrical Parameters**

*Centre for Electronics Test Engineering STQC Dte, Kolkata, 30th May 2016 - 3rd June 2016*

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## **AREAS OF INTEREST/RESEARCH**

- Electrical Machines & Power Systems
- Power Quality and Protection Aspects of Microgrid

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## **ACHIEVEMENTS**

- Secured an All India Rank of 655 (96.2 percentile) in GATE-2007
- Received 2nd Prize in Technical Model Contest at Integral University, Lucknow

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## **SOFTWARE SKILLS**

- **Document Creation:** Microsoft Office
- **Simulation Tools:** MATLAB/Simulink

- **Programming Languages:** C, C++
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## REFERENCES

- **Dr. R.K. Singh**  
Professor, Department of Electrical Engineering, IIT BHU Varanasi  
Email: [rksingh.eee@iitbhu.ac.in](mailto:rksingh.eee@iitbhu.ac.in) Ph: 9451890026
  - **Dr. Omhari Gupta**  
Assistant Professor, Department of Electrical Engineering, NIT Jamshedpur  
Email: [omhari.ee@nitjsr.ac.in](mailto:omhari.ee@nitjsr.ac.in) Ph: 9455414453
  - **Dr. Irfan Ahmed Mir**  
Senior Technical Officer, CIPET Balasore, Odisha  
Email: [irfanmir@cipet.gov.in](mailto:irfanmir@cipet.gov.in) Ph: 9929444230
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## Declaration:

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I hereby declare that the information provided above is correct to the best of my knowledge.

**Place:** Dhanbad, Jharkhand

**Date:**25/06/2024

**SANJAY PAL**

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