# FACULTY PROFILE

**1. Name:** Anuj Kumar Pandey

**2. Department:** Electrical Engineering

**3. Email id:** *akp.ee@bitsindri.ac.in*

**4. Phone Number:** 8745900309

**5. Office Address:** E-64, Department of EE, BIT Sindri

**6. Qualification:** Ph.D.(pursuing)

| S. No | **Degree (UG, PG, PhD)** | **Specialization** | **Institute** |
|---|---|---|---|
| 1 | Ph.D. (pursuing) | Electrical Engineering | NIT Durgapur |
| 2 | M. Tech | Power Electronics and Drives | NIT Jamshedpur |
| 3 | B. Tech | Electrical & Electronics Engineering | NIET Greater Noida |

**7. Area of Specialization:** Power Electronics, Renewable Energy, Multilevel Inverter, Microgrid.

**8. Subjects Taught:** Power Electronics, Network Theory, Non-Conventional Energy Sources, HVDC.

**9. Teaching Experience:**

| **Sl. No.** | **Position held** | **Name of Organization** | **From** | **To** |
|---|---|---|---|---|
| 1 | Assistant Professor | BIT Sindri | 02-01-2018 | Till Date |

**10. Publications:**

**I) International Conference:**

| **Sl no** | **Title of Paper** | **Name of the Conference** | **DOI** | **Publication Year** | **Pages** |
|---|---|---|---|---|---|
| **1** | MPPT Control of Hydrokinetic Energy Conversion System | Intelligent Communication, Control and Devices | DOI: 10.1007/978-981-16-1510-8_22 | 2021 | 207-216 |
| **2** | Discovering Biomarkers in Parkinson's Disease Using Module Correspondence and Pathway Information | International Conference on Mathematics and Computing | DOI: 10.1007/978-981-15-8061-1_20 | 2020 | 249-261 |

**II) International Journals**

| Sl. No. | Title of the Paper | Name of the Journal | DOI | Volume | Pages |
|---|---|---|---|---|---|
| **1** | Determining crucial genes associated with COVID-19 based on COPD Findings | Computers in Biology and Medicine | DOI: 10.1016/j.compbiomed.2020.104126 | 128 | 104-126 |

**11. Conference/ Workshop/Seminar/ Organized**

| Sl. No. | Title of Seminar / Conferences / Short – term Courses | Name of Coordinator | Funding / Sponsoring Agency | Date of Seminar / Conferences / Short – term Courses | No. of Participants |
|---|---|---|---|---|---|
| **1** | Innovations for Sustainable Energy Systems [ISES 2019] | Anuj Kumar Pandey | The Institution of Engineers (India), CSIR- CIMFR Dhanbad & TEQIP III BIT Sindri | 21st September 2019 | 50 |

**12. Symposium/ Workshop/Seminar/ Attended**

| Sl. No. | Title of Symposium/ Workshop/Seminar/ Short – term Courses | Date | Organizing Institute |
|---|---|---|---|
| **1.** | MATLAB & Its Application in Electrical Engineering at NIET Gr Noida | 19th Feb to 5th March 2011 | NIET Greater Noida |
| **2.** | Sustainable Development and Advances in Power Electronics (SDAPE-2016) | 12th -14th November 2016 | NIT Jamshedpur |
| **3.** | Faculty induction workshop | 6-10 February 2018 | IIT Kharagpur under TEQIP III |
| **4.** | Outcome based education (and) accreditation | 16-17 March 2018 | TEQIP III at B.I.T. Sindri |

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|---|---|---|---|
| **5.** | ANN and Deep Learning | $11^{th}$-$15^{th}$ June 2018 | Electronics and ICT Academics by MeitY, Govt. of India at B.I.T. Sindri. |
| **6.** | Advancement and application of soft computing in Electrical Systems | $13^{th}$-$17^{th}$ July 2018 | Electronics and ICT Academy, NIT Patna & Department of Electrical Engineering by MeitY, Govt. of India at B.I.T. Sindri. |
| **7** | FDP on AI and Machine Learning organized at during | December 2018. | Electronics and ICT Academy, NIT Patna & Department of Electrical Engineering by MeitY, Govt. of India at B.I.T. Sindri. |
| **8** | Advanced industrial automation using PLC & SCADA, | 1 Nov - 5 Nov, 2018 | Jointly organised by Dept. of ECE and Dept. of EE, BIT Sindri |
| **9** | FDP on Robotics & AI | June, 2019 | Electronics and ICT Academy, NIT Patna & Department of Electrical Engineering by MeitY, Govt. of India at B.I.T. Sindri |
| **10** | FDP on Advanced Pedagogy & Digital Tool | June 2019 | IIT Kharagpur under TEQIP III |
| **11** | FDP on Era of Digital Transformation | July 2019 | BIT Sindri |
| **12** | Two week FDP on Digital Transformation in Teaching Learning Process | April 2020. | IIT Bombay under TEQIP III |
| **13** | FDP on Free Open Source Tools for Education and Research | July 2020 | IIT Bombay |
| **14** | Capability Development Programme on E Learning Program on "Power System Earthing" | June 2020 | TATA Power |
| **15** | Short term course on “Single-Phase Transformer less inverter using MATLAB” in Platform. | August 2020 | UDEMY |
| **16** | Excellence in Communication | 25th Feb. to 04th Mar. 2021 | IIM Bodhgaya |

**13. NPTEL/SWAYAM/ATAL Courses Attended**

| S.No | Name of Course | Duration | Date | Organising Institute |
|---|---|---|---|---|
| **1.** | Introduction to Smart Grid | 8 Week | June-Sept (2019) | IIT R |
| **2.** | DC Microgrid | 8 Week | June-Sept (2019) | IIT R |
| **3.** | Power Quality Improvement Technique | 8 Week | Jan-Apr (2020) | IIT R |
| **4.** | Advance power electronics and Control | 8 Week | Jan-Apr (2020) | IIT R |
| **5.** | Distributed energy system modelling and control<br><br>(AICTE Training And Learning (ATAL) Academy) | 5 Days | 2021-06-21 to 2021-06-25 | GOVERNMENT ENGINEERING COLLEGE, BHARUCH. |

**14. Project Experience:**

| Sl. No. | Funding Agency | Position | Description | Funding Amount |
|---|---|---|---|---|
| **1** | AICTE-MHRD (Collaborative Research Scheme Project under MHRD funded by TEQIP III) | Co-PI | Developing Machine learning Techniques for prioritization of disease biomarkers in human beings | Rs. 5,30,000/- |