

## FACULTY PROFILE

1. **Name:** Anuj Kumar Pandey
2. **Department:** Electrical Engineering
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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, Space Vector Modulation.
8. **Subjects Taught:** Power Electronics, Network Theory, Non-Conventional Energy Sources, HVDC, Advanced Power Electronics.

### 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	Pag es
1	Imaginary Coordinate System Based Space Vector Pulse Width Modulation of a Cascaded H-Bridge Multilevel Inverter	11th National Power Electronics Conference (NPEC)	10.1109/NPEC57805.2023.10385005	2024	
2	Grid Interfaced Solar Water Pumping System	IEEE 2nd International Symposium on	10.1109/iSSSC56467.2022.10051595	2022	

	Using Induction Motor Drive	Sustainable Energy, Signal Processing and Cyber Security (iSSSC)			
3	MPPT Control of Hydrokinetic Energy Conversion System	Intelligent Communication, Control and Devices	10.1007/978981-16-1510-8_22	2021	207-216
4	Discovering Biomarkers in Parkinson's Disease Using Module Correspondence and Pathway Information	International Conference on Mathematics and Computing	10.1007/978981-15-8061-1_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.combiomed.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	21 <sup>st</sup> 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	19 <sup>th</sup> Feb to 5 <sup>th</sup> March 2011	NIET Greater Noida
2.	Sustainable Development and Advances in Power Electronics (SDAPE-2016)	12 <sup>th</sup> -14 <sup>th</sup> 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
5.	ANN and Deep Learning	11 <sup>th</sup> -15 <sup>th</sup> 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 <sup>th</sup> -17 <sup>th</sup> 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

<b>10</b>	FDP on Advanced Pedagogy & Digital Tool	June 2019	IIT Kharagpur under TEQIP III
<b>11</b>	FDP on Era of Digital Transformation	July 2019	BIT Sindri
<b>12</b>	Two week FDP on Digital Transformation in Teaching Learning Process	April 2020.	IIT Bombay under TEQIP III
<b>13</b>	FDP on Free Open Source Tools for Education and Research	July 2020	IIT Bombay
<b>14</b>	Capability Development Programme on E Learning Program on "Power System Earthing"	June 2020	TATA Power
<b>15</b>	Short term course on “Single-Phase Transformer less inverter using MATLAB” in Platform.	August 2020	UDEMY
<b>16</b>	Excellence in Communication	25th Feb. to 04th Mar. 2021	IIM Bodhgaya

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

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

**14. Project Experience:**

<b>Sl. No</b>	<b>Funding Agency</b>	<b>Position</b>	<b>Description</b>	<b>Funding Amount</b>
<b>1</b>	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/-