### **FACULTY PROFILE**

1. Name: Anuj Kumar Pandey

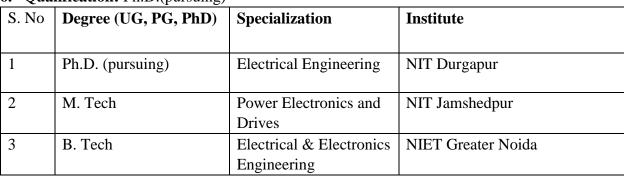
**2. Department:** Electrical Engineering

**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)



- **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	From	To
		Organization		
1	Assistant Professor	BIT Sindri	02-01-2018	Till Date

#### 10. Publications:

### I) International Conference:

Sl	Title of Pa	aper		Name of the	DOI	Publication	Pag
no				Conference		Year	es
1	Imaginary	Co	ordinate	11th National Power	10.1109/NPEC578	2024	
	System	Based	Space	Electronics	05.2023.10385005		
	Vector	Pulse	Width	Conference (NPEC)			
	Modulatio	on of a C	ascaded				
	H-Bridge	M	ultilevel				
	Inverter						
2	Grid In	terfaced	Solar	IEEE 2nd	10.1109/iSSSC564	2022	
	Water P	umping	System	International	67.2022.10051595		
				Symposium on			



	Using Induction Motor	Sustainable Energy,			
	Drive	Signal Processing and			
		Cyber Security			
		(iSSSC)			
3	MPPT Control of	Intelligent	10.1007/978981-	2021	207-
	Hydrokinetic Energy	Communication,	16-1510-		216
	Conversion System	Control and	8_22		
		Devices			
4	Discovering	International	10.1007/978981-	2020	249-
	Biomarkers in Parkinson's	Conference on	15-8061-		261
	Disease Using Module	Mathematics and	1_20		
	Correspondence and	Computing			
	Pathway Information				

## II) International Journals

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

## 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 Particip ants
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	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)	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
5.	ANN and Deep Learning	11th-15th 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	13th-17th 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  (AICTE Training And Learning (ATAL) Academy)	5 Days	2021-06-21 to 2021-06- 25	GOVERNMENT ENGINEERING COLLEGE, BHARUCH.

14. Project Experience:

Sl. No	<b>Funding Agency</b>	Positi on	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/-