

Name Bharti Thakur
Designation Assistant Professor
Date of Joining 26 July, 2018
Qualification B.Tech (Electrical Engg.)
M.Tech(Power System & Drives)
Area of interest Power System, Drives
Teaching Experience 9+ Years
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Publications:

International/National Journals:

1. “Fuzzy Controller Based Current Harmonics Suppression Using Shunt Active Filter With PWM Technique ,International Journal of Electrical Engineering & Technology (IJEET), 2013/1,162-170
2. “Power quality improvement by suppression of current harmonics using Hysteresis Controller”, International Journal of Recent Technology and Engineering (IJRTE) Volume 2 Issue 2, 186-191
3. “Interval Type-2 Fuzzy based Performance of Dynamic Voltage Restorer for Compensation of Voltage Sag” in design engineering Journal, ISSN (0011-9342),Issue-3 ,Page 29-38 (SCOPUS INDEXED)
4. “Comparative Analysis of PI controller, fuzzy logic controller and interval type 2 fuzzy based performance of DVR for compensation of voltage sag/swell” ,JUSST, ISSN:1007-6735 UGC CARE GROUP –II APPROVED AND SCOPUS ACTIVE JOURNAL .
5. “Performance analysis of SRF based PI controller and fuzzy controller on DVR for compensation of voltage sag and swell” ,UGC approve journal IJERA (International journal of engineering research and application).
ISSN: 2248-9622, Volume-11,issue-9, September 2021.
6. “ Improved Performance of a Grid Connected Inverter with Two PV Array Input Under Different Environment Conditions using Adaptive Neuro Fis Based Control, International Journal of Advanced Engineering and Nano Technology (IJAENT), ISSN: 2347-6389, Volume-10, Issue-10, October 2023
7. Verma, D., & Thakur B. (2024), Comparative evaluation of conventional fuzzy and type-2 fuzzy controllers to offset sag and swell in voltage for power quality Improvement. In Journal of Electrical Systems (JES), Vol 20-9s,pp. 2837-2847, ISSN 1112-5209

International / National Conferences Attended:

1. “Analysis of Various Topologies for Voltage Sag Compensation of Dynamic Voltage Restorer” 2019 3rd IEEE , International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE) 466-471
2. “Automatic Generation Control of Two Area Power System with SMES”, National Conference on Recent Developments In Control, Automation And Power Engineering, 2013 RDCAPE 2013 ISBN 978-93-81563-91-3
3. “Superconducting Magnetic Energy Storage System for Power System Applications”, National Conference on Recent Developments In Control, Automation And Power Engineering, 2013 RDCAPE 2013 ISBN 978-93-81563-91-3
4. “Compensation of Voltage Sag and Swell using DVR Based on Synchronous Reference Frame Theory” in International Conference on Advances in Sustainable Energy, Environment and Engineering (ICASEE-2021), 16-17 APRIL 2021.
5. “Transforming India’s Electricity Grid: A Study on Modernisation and Sustainable Energy Integration” in Transforming Lives Through Adoption of SDGs: Role of Higher Education Institutions (TLASH-2024), May 30-31 2024.

Short Term Courses/ Workshops/Seminar Attended:

Sr. No.	Title	Organized by	Session
1.	Hands on Training on Design and Fabrication of PCB (WORKSHOP)	JCBUST, YMCA, Fbd	18-24 July 2019
2.	Graphics and animation for instructional material development (STC)	NITTR, Chandigarh	11-15 February 2019
3.	Digital Transformation in Teaching Learning Process (STC)	NPIU, IIT, Bombay	6- 22 April 2020
4.	Choice Based Credit System (FDP)	NITTR,Chd (YMCAUST,Fbd)	11-13 March 2020
5.	Building Motivation and nurturing opportunities: Post COVID -19	JCBUST, YMCA,FBD	20 June,2020
6.	Artificial intelligence , Machine learning and robotics	JCBUST, YMCA, Fbd	19 June,2020
7.	Thingworx Platform	JCBUST, YMCA, Fbd	22 june 2020
8.	Green Technology	JCBUST, YMCA, Fbd	18-20July 2020
9.	Digital circuit implementation using “ZYNQ FPGA IC” by AICTE (FDP)	ATAL SPONSORED	16-20 September 2020
10.	AutoCAD for Engineers with PLC Basics (STTP)	JCBUST, YMCA, Fbd	25 June-2 July 2021

11.	Electric Vehicle Technologies(STC)	JCBUST, YMCA, Fbd	7-11 August 2023
12.	Advancing Renewable Energy Technologies for Sustainable E-Mobility (FDP)	JCBUST, YMCA, Fbd	29 jan- 3 Feb 2024

Project Supervision:

- 1.** B.Tech Minor Project supervisor

Additional Duties in University/Department

- 1.** Department lecture series coordinator.
- 2.** Department sessional Co-coordinator.
- 3.** Department Alumni lecture series Co-coordinator.
- 4.** Department feedback Co-coordinator.
- 5.** Representative from Electrical Engineering department in NAD DIGILOCKER JCBUST.
- 6.** Participation in University admission process.
- 7.** Worked as departmental ISO representative.