

Name of Faculty **Dr.Mahmood Shaik**
 Designation Asst. Professor
 Nature of Job/Appointment Contract
 Date of Joining 15-07-2024
 E-mail mahmoodshaik_eee@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph.D	Doctor of Philosophy (Power System) IIT Jodhpur	Awarded
PG	M.Tech., (High Voltage Engineering)	First Class Distn.
UG	B.Tech., (Electrical & Electronics Engineering)	First Class Distn.
Work Experience		
Teaching	3.5 Years	
Research	7.5 Years (Doctoral + Post doc)	
Industry	3 Years	
Others	--	
Area of Specialization	Power System Protection, Microgrid, Renewable Energy, Signal processing and Machine learning Application to Power System..	
Professional Memberships	> IEEE Member	
Responsibilities held at the Institution Level:	> Disciplinary squad duties-2024	
Responsibilities held at the Department Level:	> Attendance statements, activity points and class Incharge for V Sem D2 Class	
Research Guidance:	> B.E/B.Tech Dissertations – 2 > M.E/ M.Tech Dissertations – 0	
Awards Received:	1. Awarded MHRD fellowship through GATE for Masters degree during 2010-2012. 2. Awarded PHD VSS fellowship by MIETY for Doctoral program during 2015-2020.	
Courses Handled at Under Graduate / Post Graduate Level.:	1. Basic Electrical Engineering. 2. Circuit Theory. 3. High Voltage Engineering. 4. Microprocessors and Microcontrollers 5. Microcontroller and its applications, 6. Basic Electrical Engineering Lab, MPMC lab, Power Systems Lab, Electrical Machines Lab, Power Electronics Lab.	
No. of Papers Published	National Journals – None National Conference – None	International Journals – 3 International Conference – 5
Projects Carried out	None	
Patents/Technology Transfer	None	
Invited Speaker	None	

No. of Books/Chapters Published with details

None

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (**Attended and/or Organized**).

1. Attended an online FDP of 1 week on the topic "Solar Vehicles Design and Implementation-SVDI(2024)" during 23-28 September, 2024 organized by AnnantGyan Knowledge and Skills pvt limited. Resource Person: Dr. Avik Bhattacharya, IIT BHU.
2. Attended a one day workshop on "Stela 5.0: AI Teaching, Product Design insights and Collaborative Development strategies" organized by ECE Department, CBIT, Hyderabad on 18 July 2024.
3. Attended workshop on "Electric Vehicle Development" using Ansys at Mahindra University organized by IET on-campus Student chapter.
4. Completed Summer school on Machine learning SSML-2017 from July 18-29, 2017 organized at IIT Jodhpur, Rajasthan.
5. Completed STC on "Application of Custom Power Devices for Power Quality Improvement" from 06th October -08th October, 2016 at MNIT Jaipur, Rajasthan.
6. Attended workshop on HVDC, FACTS and Intelligent Control Techniques, HVDC-FACTS ICT 2006, BEC Bapatla, AP.
7. Attended workshop on Electrical Systems and Power Components, ESPC 2013, SACET Chirala, AP.

Details of Journal Publications/Conferences (**National and International**)

International Journals :

1. Shaik, Mahmood, Abdul Gafoor Shaik, and Sandeep Kumar Yadav. "Hilbert-Huang transform and decision tree based islanding and fault recognition in renewable energy penetrated distribution system." *Sustainable Energy, Grids and Networks (Elsevier)* (2022): 100606.
2. M. Shaik, S. K. Yadav and A. G. Shaik, "An EMD and Decision Tree-Based Protection Algorithm for the Solar PV Integrated Radial Distribution System," in *IEEE Transactions on Industry Applications*, vol. 57, no. 3, pp. 2168-2177. (2021)
3. Chawda, Gajendra Singh, Abdul Gafoor Shaik, Mahmood Shaik, Sanjeevikumar Padmanaban, Jens Bo Holm-Nielsen, Om Prakash Mahela, and Palanisamy Kaliannan. "Comprehensive review on detection and classification of power quality disturbances in utility grid with renewable energy penetration." *IEEE Access* 8 (2020): 146807-146830.

International Conferences :

1. M. Shaik, A. G. Shaik and S. K. Yadav, "S-Transform Based Protection Scheme for Distribution System Integrated with Solar Power Plant," 2019 2nd International Conference on Smart Grid and Renewable Energy (SGRE), Doha, Qatar, 2019, pp. 1-6.
2. M. Shaik, S. K. Yadav and A. Gafoor Shaik, "Fast Protection Scheme For Distribution System using Hilbert-Huang Transform," 2019 IEEE 16th India Council International Conference (INDICON), Rajkot, India, 2019, pp. 1-4.
3. M. Shaik, S. K. Yadav and A. G. Shaik, "Distribution Feeder Protection Using Uncorrelated Symmetrical Dot Patterns," TENCON 2019 - 2019 IEEE Region 10 Conference (TENCON), Kochi, India, 2019, pp. 1875-1880.
4. M. Shaik, S. K. Yadav and A. G. Shaik, "An EMD Based Protection Scheme for Distribution System," 2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), Delhi, India, 2018, pp. 17-22.
5. M. Shaik, M. N. Rao and S. A. Gafoor, "A wavelet based protection scheme for distribution networks with Distributed Generation," 2012 International Conference on Emerging Trends in Electrical Engineering and Energy Management (ICETEEEM), Chennai, India, 2012, pp. 33-37.