

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

Ph.D

Name of the Degree
Doctor of Philosophy (Power System)
IIT Jodhpur

Class

Awarded

PG

M.Tech., (High Voltage Engineering)

**First Class
Distrn.**

UG

B.Tech., (Electrical & Electronics
Engineering)

**First Class
Distrn.**

Work Experience

Teaching

4.3 Years

Research

7.5 Years (Doctoral + Post doc)

Industry

3 Years

Others

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Area of Specialization

Professional Memberships

IEEE Member

Responsibilities held at the Institution Level:

Disciplinary squad and Anti Ragging duties.

Responsibilities held at the Department Level:

Class Incharge for VII Sem EEE D2.

Research Guidance:

B.E/B.Tech Dissertations – 2 (Completed), 2 (In Progress)

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.

1. Basic Electrical Engineering.
2. Signals and Systems.
3. Electrical Circuit Analysis/ Circuit Theory.
4. High Voltage Engineering.
5. Microprocessors and Microcontrollers
6. Microcontroller and its applications
7. Basic Electrical Engineering Lab, MPMC lab, Power Systems Lab, Electrical Machines Lab, Power Electronics Lab.

National Journals – **None** International Journals – **4**

No. of Papers Published

National Conference – **None** 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.	<p>1. Attended a two-week online FDP on the topic "Digital Transformation in Power System: AI, Blockchain & Cybersecurity (DTPS-2025)" jointly organized by Electronics and ICT Academy, NIT Patna & Dayalbagh Educational Institute, by the Ministry of Electronics and Information Technology (MeitY), Government of India from 18th August – 30th August 2025.</p> <p>2. 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.</p> <p>3. 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.</p> <p>4. Attended workshop on "Electric Vehicle Development" using Ansys at Mahindra University organized by IET on-campus Student chapter.</p> <p>5. Completed Summer school on Machine learning SSML-2017 from July 18-29, 2017 organized at IIT Jodhpur, Rajasthan.</p> <p>6. Completed STC on "Application of Custom Power Devices for Power Quality Improvement" from 06th October -08th October, 2016 at MNIT Jaipur, Rajasthan.</p> <p>7. Attended workshop on HVDC, FACTS and Intelligent Control Techniques, HVDC-FACTS ICT 2006, BEC Bapatla, AP.</p> <p>8. Attended workshop on Electrical Systems and Power Components, ESPC 2013, SACET Chirala, AP.</p>
Other Training (Attended and/or Organized).	

Details of Journal Publications/ Conferences (National and International)

International Journals :

1. S. K. N B, S. Madichetty, C. Pannella, P. Kumar and **M. Shaik**, "An Innovative Islanding Detection Algorithm for Grid Tied Inverter Utilizing In-Circuit Magnetic Characteristics of Inductors in LCL Filters," in CPSS Transactions on Power Electronics and Applications, vol. 10, no. 1, March 2025.
2. **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.
3. **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)
4. 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.