

Name	Sudip Halder	
Designation	Assistant Professor	
Department	Electrical Engineering	
Date of Joining the Institute	16/07/2024	
Education	PhD (Electrical Engg.), Pursuing in VNIT Nagpur, 2024	
	M. Tech (Electrical Engineering), NIT Patna, 2013	
	B. Tech (Electronics and Instrumentation Engg.), W.B.U.T. , 2009	
Areas of Interest / Research Interest	Condition Monitoring of Electrical Machines Power System Optimization	
Email	sudip.halder@famt.ac.in	
Academic Appointments		
Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 16/07/2024 to till date	Assistant Professor
University of Engineering and Management, Jaipur	From 12/08/2014 to 01/07/2019	Assistant Professor
Shree Ganapati Institute of Technology, Ghaziabad	From 20/08/2013 to 25/06/2014	Assistant Professor
Total Experience – 6		

Papers Published

Papers Published in National / International Journals - 8

International Journals

1. Sudip Halder, Bimal Kumar Dora, and Sunil Bhat. An enhanced path finder algorithm for the estimation of the stator current envelope to detect rotor bar breakage in an induction motor. *Measurement*, page 114317. Elsevier, 2024. (SCIE)
2. Bimal Kumar Dora, Sunil Bhat, Sudip Halder, and Ishan Srivastav. A solution to multi objective stochastic optimal power flow problem using mutualism and elite strategy based pelican optimization algorithm. *Applied Soft Computing*, page 111548. Elsevier, 2024. (SCIE)
3. Sudip Halder, Sunil Bhat, and Bimal Dora. Start-up transient analysis using cwt and ridges for broken rotor bar fault diagnosis. *Electrical Engineering*, volume 105, pages 221–232. Springer, 2023. (SCIE)
4. Bimal Kumar Dora, Abhishek Rajan, Sourav Mallick, and Sudip Halder. Optimal reactive power dispatch problem using exchange market based butterfly optimization algorithm. *Applied Soft Computing*, volume 147, page 110833. Elsevier, 2023. (SCIE)
5. Sudip Halder, Bimal Kumar Dora, and Sunil Bhat. An enhanced pathfinder algorithm based mcsa for rotor breakage detection of induction motor. *Journal of Computational Science*, volume 64, page 101870. Elsevier, 2022. (SCIE)
6. Sudip Halder, Sunil Bhat, Daria Zychma, and Pawel Sowa. Broken rotor bar fault diagnosis techniques based on motor current signature analysis for induction motor—a review. *Energies*, volume 15, page 8569. MDPI, 2022. (SCIE)
7. Sudip Halder, Sunil Bhat, and Bimal Kumar Dora. Inverse thresholding to spectrogram for the detection of broken rotor bar in induction motor. *Measurement*, volume 198, page 111400. Elsevier, 2022. (SCIE)
8. Sudip Halder, Sunil Bhat, and Bimal Dora. Prediction of broken rotor bar in induction motor using spectral entropy features and tlbo optimized svm. *Turkish Journal of Electrical Engineering and Computer Sciences*, volume 30, pages 1962–1979, 2022. (SCIE)

Papers Presented/Published in National/ International Conferences - 5

1. Bimal Kumar Dora, Sunil Bhat, Sudip Halder, and Manoranjan Sahoo. Solution of reactive power dispatch problems using enhanced dwarf mongoose optimization algorithm. In *2023 International Conference for Advancement in Technology (ICONAT)*, pages 1–6. IEEE, 2023.
2. Bimal Kumar Dora, Sunil Bhat, Sudip Halder, and Ishan Srivastava. A solution to the techno-economic generation expansion planning using modified remora optimization algorithm. In *2022 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)*, pages 1–8. IEEE, 2022.

3. Bimal Kumar Dora, Sunil Bhat, Sudip Halder, and Ishan Srivastava. A solution to the techno-economic generation expansion planning using enhanced dwarf mongoose optimization algorithm. In 2022 IEEE Bombay Section Signature Conference (IBSSC), pages 1–6. IEEE, 2022.
4. Sudip Halder, Sunil Bhat, Chirabrata Bhaumik, and Raj Rakshit. Stator inter-turn fault diagnosis in permanent magnet synchronous motor. In 2020 IEEE First International Conference on Smart Technologies for Power, Energy and Control (STPEC), pages 1–6. IEEE, 2020.
5. Sudip Halder, Angshuman Khan, Uttam Narendra Thakur, and Souvik Saha. Design and analysis of temperature control system using conventional pi and advanced ann controllers. In 2018 International Conference on Computing, Power and Communication Technologies (GUCON), pages 4–8. IEEE, 2018.

Awards / Honors / Prizes / Achievements

Scored among top 5% in NPTEL online course of Control Engineering

Selected for the award of scholarship in National Scholarship Examination

Awarded 5th prize in a District Science Seminar

Number of Workshops, Seminars, STTPs, FDPs Attended – Write total no. of Workshops, Seminars, STTPs, FDPs here

STTP / FDPs

1. Online short-term course on Noise and Vibration Monitoring of Mechanical Systems, IIT Indore.
2. NPTEL-AICTE online Faculty Development Program on Advance Power Electronics and Control, IIT Roorkee.
3. NPTEL-AICTE online Faculty Development Program on Advanced Linear Continuous Control System, IIT Roorkee.
4. Faculty Development Program on Research Methodology, UEM Jaipur.
5. Faculty Development Program on Teaching Methodology, UEM Jaipur.

Conferences and Seminars

1. 3rd International Conference on Internet of Things and connected technologies, MNIT Jaipur.

Two Week or One Week Workshops

1. Five Days e-Workshop on LaTeX, GITAM, Bengaluru. July 2021

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1	EEC302 / Electrical Circuit Analysis	SE/EE/3rd	
2	EEC504/Electromagnetic Field and Wave	TE/EE/5th	