

SRES', Sanjivani College of Engineering, Kopargaon
(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information			
Name of Teaching Staff: Mr. Manoj Saha			
Designation: Assistant Professor			
Department : Electrical Engineering			
Date of joining : 20/08/2025			
E Mail ID :		sahamanojelect@sanjivani.org.in manojisaha666@gmail.com	
Contact No:		+91- 7008242847	
Education Details			
Qualification	Specialization with Class or Grade	University	Year
B. Tech	Electrical Engineering	Biju Patnaik University of Technology, Rourkela	2017
M. Tech	Power System Engineering	Biju Patnaik University of Technology, Rourkela	2019
Ph. D	Electrical Engineering	National Institute of Technology, Durgapur, India	2025 (Pursuing)
Total experience in years:			
Teaching:		0 Years	
Industry:		2	
Research and Publications (from 2022 onwards)			
Journals Paper			
<ol style="list-style-type: none"> 1. Saha, M., Thakur, S. S., & Bhattacharya, A. (2024). Bilevel planning of electric vehicle charging station and battery swapping station considering real-time uncertainty. International Journal of Green Energy, 21(12), 2724–2752. Doi-https://doi.org/10.1080/15435075.2024.2326063 (SCIE, IF-4.0)-<i>Published</i> 2. M.Saha, S.S. Thakur and A. Bhattacharya,” Hybrid Differential Evolution- Prairie 			

Dog Optimization Algorithm Approach for Optimal Scheduling of Battery Swapping Charging Station Considering uncertainty”, Journal of Energy Storage 112,115494 (2025), Elsevier. Doi- <https://doi.org/10.1016/j.est.2025.115494> (SCIE, IF-9.8)-
Published

3. **M.Saha**, S.S. Thakur and A. Bhattacharya, B.Dey” Profit Maximization of Distribution Network Stakeholders Facilitating EV Demands with Adaptive Demand Side Management Policies”, IEEE Open Journal of Industry Applications, IEEE-
Communicated
4. **M.Saha**, B.Dey A. Bhattacharya, S.S. Thakur,” Profit Maximization of Distribution Network Stakeholders Adapting Demand Side Management under False Data Injection Attack”., Special Issue on Industrial Automation and Intelligent Process Control (IAPC), IEEE Transactions on Industry Applications, IEEE-*Digest Submitted*

Papers presented in conferences

1. Nayak, M.R., **Saha, M.**, Nayak, C.K. (2020). Optimal Participation of Hybrid Renewable Energy Sources in Standalone Microgrid. Intelligent Computing, Information and Control Systems. ICICCS 2019. Advances in Intelligent Systems and Computing, vol 1039. Springer, Cham. Doi- https://doi.org/10.1007/978-3-030-30465-2_17-*Published*
2. **M. Saha**, S. S. Thakur and A. Bhattacharya, "Optimal Scheduling Strategy for Swapped Battery Station of Electric Vehicle by Human Felicity Algorithm," 2022 IEEE 6th International Conference on Condition Assessment Techniques in Electrical Systems (CATCON), Durgapur, India, 2022, pp. 427-431, doi: 10.1109/CATCON56237.2022.10077699.- *Published*
3. **M. Saha**, S. S. Thakur and A. Bhattacharya, "Optimal EV Charging and Battery Swapping Station Allocation with Traffic-Aware Energy Loss Minimization Using Butterfly Optimization Algorithm," 2023 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Bhubaneswar, India, 2023, pp. 01-06, doi: 10.1109/SeFeT57834.2023.10245972.- *Published*
4. **M. Saha**, S. S. Thakur and A. Bhattacharya, "Optimal Scheduling of Electric Vehicles: Leveraging Grid-to-Vehicle (G2V) and Vehicle-to-Grid (V2G) Prices: A Game-Theoretic Approach," 2023 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Bhubaneswar, India, 2023, pp. 1-6, doi: 10.1109/SeFeT57834.2023.10245871.- *Published*
5. **M. Saha**, S. S. Thakur, S. Mukhopadhyay A. Bhattacharya, " Game-Theoretic based Double Auction Framework for Optimal Allocation of Electric Vehicles and Charging Station Scheduling" 2025 International Conference on Power Electronics and Energy (ICPEE), IEEE, Bhubaneswar, India, 2025- *Accepted*
6. V. Dound, **M. Saha**, A. Bhattacharya, S. S. Thakur " Detection of False Data Injection Attacks in the Presence of EV Charging Station and Battery Swapping Station", 2025 International Conference on Power Electronics and Energy (ICPEE), IEEE, Bhubaneswar, India, 2025- *Accepted*

Research Profile URL	
Google Scholar	https://scholar.google.com/citations?user=DIBb6LcAAAAJ&hl=en
Scopus	NA
Orcid	0009-0002-4762-995X
Other Research Details	
Ph D Guide ?Give field & University:	Nil
Ph Ds/ Projects Guided:	Nil
Books Published	Nil
IPRs/Patents	Nil
Professional Memberships:	Nil
Interaction with professional institutions	Nil
Consultancy Activities	

Duration	Title of Activity	Issued Organization	Amount
---	---	---	---
Grants fetched			
Duration	Title	Issued Organization	Amount
---	---	---	---
Awards			
<ul style="list-style-type: none"> Received Best Paper Award at SEFET 2023 for the conference paper titled "<i>Optimal Scheduling of Electric Vehicles: Leveraging Grid-to-Vehicle (G2V) and Vehicle-to-Grid (V2G) Prices: A Game-Theoretic Approach</i>". Reviewed over 30 international conference papers across reputed conference platforms. Keys are mentioned below. <ul style="list-style-type: none"> ❖ 2023 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT 2023) ❖ International conference on computational intelligence and smart technologies in electrical engineering (CISTEE-2023) ❖ Intelligent Electrical System and Industrial Automation (Kolkata, India) ❖ IEEE International Conference on Smart Power Control and Renewable Energy 2024 (Rourkela, India) ❖ 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET) (Hyderabad, India) ❖ The 4th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (Male, Maldives) ❖ International Conference on Electrical and Computer Engineering Researches (Gaborone, Botswana) ❖ 3rd International Conference on Data Science and Information System (ICDSIS - 2025) (Hassan, India) ❖ 1st International Conference on Intelligent Computing and Knowledge Extraction (ICICKE - 2025) (Bengaluru, India) ❖ The 5th International Conference on Electrical, Computer and Energy Technologies (Paris, France) 			

<ul style="list-style-type: none"> ❖ 3rd International Conference on Data Science and Network Security (ICDSNS-2025) (Tiptur, India) ❖ International Conference on Data Analytics and Insights (Kolkata, India) ❖ Conference on Circuit, Power and Intelligent System, 2023 (Bhubaneswar, India) ❖ Signal Processing Communication Power and Embedded System (Paralakhemundi, India) • Served as a peer reviewer for more than 5 international journals. • Awarded IEEE Geoscience and Remote Sensing Society (GRSS) Membership for professional excellence and contribution to research. • Nominated as IEEE Student Branch Core Member at NIT Durgapur for demonstrating leadership and active involvement in organizing technical activities. • Editorial board member of the book series "<i>Futuristic Trends in Renewable & Sustainable Energy</i>", successfully edited and prepared for publication by IIP International Publishers, Michigan, USA. 			
FACULTY DEVELOPMENT PROGRAMMES ATTENDED (from 2022 onwards)			
Name of the FDP / Workshop	Organization	Duration	Month-Year
Typhoon HIL & MGIT-EEE-Online One Day Faculty Development Program Invitation	Mahatma Gandhi Institute of Technology, Hyderabad, India	1 day	July - 2022
5-Day Faculty Development Program on Data Science	MIT School of Computing in Association with SAS	5 days	September - 2024
Faculty Development Program (FDP) on "Shaping a Data Science Curriculum for the 21st Century: Unleashing the Potential of Big Data Management, Machine Learning, and Artificial Intelligence"	MIT School of Computing, MIT ADTU, Pune	5 days	September - 2024

Faculty development program on “Harnessing Python for Data Science: Mastering Libraries and Frameworks for Advanced Analysis	Dept. of Information Science and Engineering, NMIT, Bangalore	10 days	May - 2024
Faculty Development Program on The Phygital Experience – Internet of Things in Industry 4.0.	Centurion University of Technology and Management, Bhubaneswar	5 days	December - 2022
Live Online Industrial Training FDP Internship on Machine Learning and Artificial Intelligence	EduLakes Solutions LLP	6 weeks	June - 2024

SWAYAM-NPTEL COURSE (from 2018 onwards) :-NA

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
Training Program for STEM Teachers of SHRI JNVS of the Patna Region	National Institute of Technology, Durgapur	3 days	December 2024	300

INVITED LECTURES IN CONFERENCE/SEMINAR- NA

Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By

OTHER PROFESSIONAL URLS	
Personal Website	Nil
Linked In Profile	https://www.linkedin.com/in/manoj-saha-125213107/
GitHub URL	https://github.com/Kanha68/Manoj-Saha
YouTube Channel	Nil
Research gate	https://www.researchgate.net/profile/Manoj-Saha-4?ev=hdr_xprf
Academia	Nil