


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

## Staff Profile

Personal Information			
<b>Name of Teaching Staff:</b> <b>Mr Debraj Bhowmick</b>			
<b>Designation: Assistant Professor</b>			
<b>Department : Electrical Engineering</b>			
<b>Date of joining : 23/02/2022</b>			
<b>E Mail ID :</b>	bhowmickdebrajelect@sanjivani.org.in <a href="mailto:debrajbhowmick79@gmail.com">debrajbhowmick79@gmail.com</a>		
<b>Contact No:</b>	+91- 7602371068		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
B.E.	Electrical Engineering	The University of Burdwan, West Bengal	2004
M.Tech.	Power System Engineering	I.I.T. Roorkee	2011
Total experience in years:			
<b>Teaching:</b>	15+ Years		
<b>Industry:</b>	Nil		
Research and Publications (from 2022 onward)			
Nil			

Papers presented in conferences (from 2022 onwards)	
<b>Author(s), Title of Article, Name of Conference, Place, Month-Year [Download Link]</b> 1. Rushikesh A. Rajput, Devyani S. Nikam, <b>Debraj Bhowmick</b> , “PLC & SCADA for Efficient Load Management And Fault Monitoring”, 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), organized by IEEE - Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, 24-25 <sup>th</sup> February 2024. 2. <b>Debraj Bhowmick</b> , Hrushikesh V. Adling, Amol B. Kawade; Dipesh Pardeshi, “Smart Load Optimisation Overload and Short Circuit Fault Monitoring using Programmable Logic Controller & SCADA”, 4 <sup>th</sup> International Conference on Soft Computing for Security Applications (ICSCSA - 2024) organized by Dhirajlal Gandhi College of Technology, Salem, India 24-25 <sup>th</sup> September 2024. 3. Omkar Aher, Prathmesh Zagare, <b>Debraj Bhowmick</b> , “Optimizing Ventilation and Renewable EnergyWith Wind-Driven Power Generation System”, 2025 3rd International Conference on Inventive Computing and Informatics (ICICI) organized by S. E. A. College of Engineering and Technology, Bengaluru, Karnataka, India 4-6 <sup>th</sup> June 2025. 4. Bothe Ishwari, Pramod Game, <b>Debraj Bhowmick</b> , D. B. Pardeshi, “Fabrication of Windmill and Solar Laptop Mobile Charging System”, 2025 6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV) organized by Francis Xavier Engineering College, Tirunelveli, Tamil Nadu, India 17-19 <sup>th</sup> June 2025.	
Research Profile URL	
Google Scholar	Nil
Scopus	<a href="https://ieeexplore.ieee.org/document/10481895">https://ieeexplore.ieee.org/document/10481895</a> , <a href="https://ieeexplore.ieee.org/document/10917798">https://ieeexplore.ieee.org/document/10917798</a> , <a href="https://ieeexplore.ieee.org/document/11069965">https://ieeexplore.ieee.org/document/11069965</a> , <a href="https://ieeexplore.ieee.org/document/11085601">https://ieeexplore.ieee.org/document/11085601</a>
Orcid	Nil
Other Research Details	
Ph D Guide ?Give field & University:	----
Ph Ds/ Projects Guided:	—
Books Published	Nil
IPRs/Patents	Automatic Detection of Potholes using Lidar and Micro-controller.
Professional Memberships:	Nil
Interaction with professional institutions	Nil
Consultancy Activities	

Duration	Title of Activity	Issued Organization	Amount
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<b>Grants fetched</b>			
Duration	Title	Issued Organization	Amount
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<b>Awards</b>			
<b>Nil</b>			
<b>FACULTY DEVELOPMENT PROGRAMMES ATTENDED (from 2022 onwards)</b>			
Name of the FDP / Workshop	Organization	Duration	Month-Year
Outcome based Education and Examination Reforms (OBE & ER - 2022)	Bapatla Engineering College	3 days	August - 2022
Blockchain Enabled Smart Grid Market	Sanjivani College of Engineeirng, Kopargaon	2 days	August - 2022
Two Days National Workshop on Implementation of National Education Policy 2020: Research and Development	Sanjivani Arts, Commerce and Science College, Kopargaon	2 days	February - 2023
Electrical AutoCAD - 2023	Sanjivani College of Engineeirng, Kopargaon	2 days	May - 2023
VLSI to System Design: Silicon to End Application Approach	AICTE, Arm Education and STMicroelectronics (Online)	One week	July-Aug - 2023
Designing Course & Outcome Outcomes-focused Questions	Inpods (online)	1 day	August - 2023
Smart FACTs Controller in Power Transmission & Distribution	Centre of Excellence FACTs, G.H. Raisonni College of Engg. Nagpur.	One week	December - 2023

Research Paper Writing & I. P. Rights	Computer Science and Engg., A. G.Patil Institute of Technology, Solapur in association with IE(I), Solapur Centre	3 days	January - 2024
National Intellectual Property Awareness Mission	Intellectual Property Office, India	1 day	January - 2024
A Deep Dive into Artificial Intelligence (AI) and Its Application workflows using MATLAB	Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, Maharashtra	One week	July - 2024
AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research ,Ravet, Pune, Maharashtra	One week	September - 2024
Mastering Research Excellence: AI assisted Scientific Writing & High Impact Publications	R & D department of Sanjivani College of Engg., Kopargaon, Maharastra	One week	November - 2024
A GIAN course on Data-Based Systems and Control	I.I.T. Mandi	One week	April - 2025

SWAYAM-NPTEL COURSE (from 2018 onwards) :-				
Smart Grid: Basics to Advanced Technologies	Swayam Course: -NPTEL, Indian Institute of Technology Roorkee	12 weeks (3 credit)	Jan-April 2025	
Ethics in Engineering Practice	Swayam Course: -NPTEL, Indian Institute of Technology Kharagpur	08 weeks (2 credit)	Feb-April 2025	
FACULTY DEVELOPMENT PROGRAMMES ORGANIZED				
Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
Hackathon 2024	Sanjivani College of Engineering, Kopargaon	1 day	September 2024	100
INVITED LECTURES IN CONFERENCE/SEMINAR				
Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.		Organized By	
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<b>OTHER PROFESSIONAL URLS</b>	
<b>Personal Website</b>	Nil
<b>Linked In Profile</b>	<a href="https://www.linkedin.com/in/bhowmick-debraj-140b9832b/">https://www.linkedin.com/in/bhowmick-debraj-140b9832b/</a>
<b>GitHub URL</b>	Nil
<b>YouTube Channel</b>	Nil
<b>Research gate</b>	Nil
<b>Academia</b>	Nil