: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Mr. Sujoy Bhowmik

Designation: Assistant Professor

Department: Electrical Engineering

School: School of Engineering

Research Area: Power Electronics Converter, PWM Rectification, Active Power Factor Correction

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: FSyc_ZUAAAAJ

Orchid ID: 0000-0002-7165-0807

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B. Publication details:
1. Conference proceedings/ Conference paper:

Sl. No.	Name of the Conference	Title of the paper	Month & Year of Publication	Author(s) Name	National/ International	doi number (if any)	ISSN/ISBN no.
1.	IEEE 3rd International Conference on Control, Instrumentation, Energy & Communication (CIEC)	V/f Control of PMSM Drive fed from PR Current Controller Based Single-Phase AFE Rectifier	March, 2024	A. Mitra, S. Bhowmik and S. Chowdhury	International	10.1109/CIEC59440.2024.10468398	979-8-3503-1370-3
2.	IEEE 3rd International Conference on Control, Instrumentation, Energy & Communication (CIEC)	Analysis of Active Power Transfer to Grid from a Specific EV – A V2G Technology	March, 2024	S. Bhowmik, S. Chowdhury and A. Mitra	International	10.1109/CIEC59440.2024.10468540	979-8-3503-1370-3
3.	2024 IEEE International BIT Conference (BITCON)	A Universal Design of Flyback Converter for Isolated Gate Drive Power	May, 2025	A. Mitra, S. Bhowmik, S. Mukherjee, P. Dutta, B. Kundu and D. Saha	International	10.1109/BITCON63716.2024.10984643	979-8-3315-1839-4

		Supply					
4.	2024 IEEE International BIT Conference (BITCON)	ZSI, Q-ZSI and SL-QZSI - A Comparative Performance Analysis	May, 2025	S. Bhowmik, A. Mitra, S. Mukherjee and K. Banerjee	International	10.1109/BITCON63716.2024.10984474	979-8-3315-1839-4

2. Publications in SCI/Scopus indexed Journals:

Sl. No	Name of the Journal (mention SCI/scopus)	Title of the paper	Month & Year of Publication	Author(s) Name (Highlight the corresponding and 1st author in every article)	doi number	Issue No. &Volume No.	Page no.	ISSN of the journal

3. Book chapter:

Sl. No.	Title of the book	Publishers	Author(s) Name (Highlight the corresponding and 1st author in every article)	Year	ISBN No.	doi no. (if applicable)
1.	Power Devices and Internet of Things for Intelligent System Design (Chapter: Performance Improvement of Closed-Loop Sepic by ZVS and Its Protection)	Wiley	Sujoy Bhowmik, Arkendu Mitra, Sudhangshu Sarkar, Pallav Dutta, Subhra Mukherjee, Kamalika Banerjee	2025	9781394 311576	10.1002/978139431 1613.ch16
2.	Power Devices and Internet of Things for Intelligent System Design (Chapter: Comparative Analysis Between PI and Model Predictive Torque-Flux Control of VSI-Fed Three-Phase Induction Motor Under Variable Loading Conditions)	Wiley	Sujoy Bhowmik, Pritam Kumar Gayen, Arkendu Mitra	2025	9781394 311576	10.1002/978139431 1613.ch1
3.	Electrical Engineering Developments in Recent Years	Swami Vivekananda University	Sujoy Bhowmik	2024	978-93-340-1849-3	
4.	Future Energy Resources	Swami Vivekananda University	Sujoy Bhowmik	2024	978-93-340-6874-0	
5.	Advances in computational solutions:Integrative approaches and applications	Integrated Publications	Sujoy Bhowmik	2024	978-93-5834-625-1	https://doi.org/10.62 778/int.book.450
6.	Recent Advancements in Computational Intelligence and Design Engineering	CRC Press, Taylor & Francis	Sujoy Bhowmik	2024	978-10-3298036-2	DOI:10.1201/97810 035 96745

4. Text/Reference book published from reputed national/international publishers:

Sl. No.	Title of the Text/Reference book	Publishers	Author(s) Name (Highlight the corresponding and 1st author in every article)	Year	ISBN No.	doi no. (if applicable)

5. Project granted:

Sl. No	Sponsoring Agency	Name of the project	Duration		Amount in Lakhs	PI/ CO-PI
			Starting Month & Year	Ending month & Year		

6. Consultancy Project Grant:

Sl No.	Project title	Funding Agency	Duration	Completed (yes/no)	Sanctioned amount (in Rs.)	PI and CO-PI (if any)

7. Patent/IPR granted:

Sl. No.	Name of the patent	Name of the applicant	Name of the inventor	Date of File	Date of Publication	Whether Granted (yes/no); If yes, Date of Grant	Application No.

8.