: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Mr Avik Datta

Designation: Assistant Professor

Department: Electrical Engineering

School: School of Engineering

Research Area: Control System

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: _37BjvYAAAAJ Orchid ID: 0000-0003-4633-9192

Scopus ID 57192256102 Vidwan ID 163717

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	ESDA2020	Effect and Utilization of Leakage Inductance on the Performance of Multi-zone and Multi-load Half-Bridge Inverter Based Induction Heating System	January 2020	Kallol Bhaumik, Avik Datta, Pradip Kumar Sadhu	International	10.1007/978-981-15-5089-8_5	
2	ESDA2020	Autonomy Oriented Computation for Direct AC- AC Cascaded Boost Converter	January 2020	Titas kumar Nag, Avik Datta, Pradip Kumar Sadhu	International	10.1007/978-981-15-5089-8_58	

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
1	Archives of Electrical Engineering (AEE).	A Closed-Loop Power Controller Model of Series-Resonant-Inverter-Fitted Induction Heating System	July 2016	Dr. Palash Pal, Debabrata Roy, Avik Datta, Atanu Banerjee, Pradip Kumar Sadhu	10.1515/aee-2016-0058	Volume 64, Issue 4	827-841	1427-4221

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	Synergy in Science and Engineering An Integrative Approach	AkiNik Publications	**Rituparna Mitra**, Avik Datta, Suvraujjal Dutta, Promit Kumar Saha, Rituparna Mukherjee and Susmita Dhar Mukherjee	2024	978-93-6135-058-0	
2	Advances in computational solutions: Integrative approaches and applications	Integrated Publications	**Rituparna Mitra**, Avik Datta, Promit Kumar Saha, Titas Kumar Nag, Susmita Dhar Mukherjee, Suvraujjal Dutta	2024	978-93-5834-625-1	
3	Recent Advancement In Computational Intelligence and Design Engineering	Routeledge Publication (Taylor & Francis)	**Rituparna Mitra**, Avik Datta, Titas Kumar Nag, Promit Kumar Saha, Rituparna Mukherjee, Susmita Dhar Mukherjee	2024	9781032980362	
4	Frontiers of Engineering Innovation: Interdisciplinary Approaches and Applications	Bluerose Publication	Rituparna Mukherjee, Susmita Dhar Mukherjee, Avik Datta, **Rituparna Mitra**	2024	978-93-6452-860-3	

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)
1	Advancement of Power Electronics Abridgement with Power Quality Issues	SVU	**Dr. Rituparna Mitra**, Dr. Rituparna Mukherjee, Avik Datta	2013	978-93-5967-749-1	
2	Electrical Engineering Developments in Recent Years	SVU	**Dr. Rituparna Mitra**, Dr. Rituparna Mukherjee, Mr. Avik Datta, Ms. Arunima Mahapatra, Mr. Suvraujjal Dutta, Mr. Sujoy Bhowmik, Mr. Titas Kumar Nag	2024	978-93-340-1849-3	
3	Future Energy Resources	SVU	**Dr. Rituparna Mitra**, Dr. Rituparna	2024	978-93-340-	

			Mukherjee, Mr. Avik Datta, Ms. Arunima Mahapatra, Mr. Suvraujjal Dutta, Mr. Sujoy Bhowmik, Dr. Suryendu Dasgupta		6874-0	

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.
1	A High Frequency Fly-Back Multizone Resonant Inverter with AC Input Source for Multi-Area Induction Heating	INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD	Prof. (Dr.) Pradip Kumar Sadhu, Kallol Bhaumik, Avik Datta, Palash Pal, Avijit Chakraborty, Titas Kumar Nag	04/01/2016	29/01/2016	Yes, 15/12/2023	201631000136
2	SOLAR INDUCTION HEATING SYSTEM USING HIGH FREQUENCY HYBRID RESONANT INVERTER UNDER VSI MODE	INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD	Paromita Sadhu, Achintya Goswami, Pradip Kumar Sadhu, Sarat Kumar Panda, Avik Datta and Ananyo Bhattacharya	14/11/2017	17/05/2019	Yes, 16/06/2022	201731040658

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