

1	Name of Faculty	Dr. Madhulika Das	
2	Designation	Assistant Professor	
3	Nature of Job/Appointment	Regular	
4	Date of Joining	09 – 01- 2023	
5	E-mail	<a href="mailto:madhulikadas_eee@cbit.ac.in">madhulikadas_eee@cbit.ac.in</a>	
6	Education Qualifications	Name of the Degree	Class
	Ph. D	PhD (Control System)	Awarded
	PG	M. E. (Control System).	First
	UG	B. Tech. (EE)	First
7	Work Experience		
	Teaching	06Years	
	Research	0 year	
	Industry	0 year	
	Others	-----	
8	Area of Specialization	Control System	
9	Professional Memberships	IEEE	
10	Responsibilities held at Institution Level	--	
11	Responsibilities held at Department Level	--	
12	Research Guidance	--	
13	Awards Received	--	
14	Courses Handled at Under Graduate / Post Graduate Level.	Control System, Basic Electrical Engineering, Electrical circuit Theory and analysis, Power Electronics	
15	No. of Papers Published	National Journals – 02	International Journals – 04
		National Conference – --02	International Conference –05
16	Projects Carried out	--	
17	Patents	02	
18	Technology Transfer	--	
19	Invited Speaker	--	
20	No. of Books/Chapter Published with details	02	
21	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).	<ol style="list-style-type: none"> <li>1. Participated in National Level One Week Faculty Development Programme (Hybrid) on “National Education Policy 2020 - Challenges in implementation in Higher Education” organized by Department of EEE, IT and Physics, Chaitanya Bharathi Institute of Technology, Hyderabad 18th March 2024 to 23rd March 2024</li> <li>2. participated in One week online FDP on “Quality Education through OBE” organized by Chaitanya Bharathi Institute of Technology(Autonomous), Gandipet, Hyderabad- 500 075, Telangana, India., in association with IEEE Education Society Student Branch Chapter CBIT during 22nd - 27th January 2024</li> <li>3. Participated in online short term course On “Recent Trends</li> </ol>	



in Modeling and Control of Dynamical Systems (RTMCDS-2023)" organized by Department of Electrical Engineering from June 23-27, 2023.

4. Participated in the AICTE Recognized Faculty Development Programme on Big Data Applications in Electrical Engineering Conducted by Electrical Engineering Department from 20/02/2023 to 24/02/2023
5. Participated in Teqip III sponsored One-week e-FDP on "Materials for Semiconductor Devices and PV Modules", organized by CoE in Advanced Materials Research, IEEE PES-SSIT, Department of Electrical and Electronics Engineering in association with FET MJP, Rohil khand University, Bareilly, U.P. 8th -13th March 2021.
6. Participated in One-week FDP program on "Smart Tools and Methodologies for Academic Research" Organized by Automation and Robotics and Mechatronics Department of Sharad Institute of Technology. 25<sup>th</sup> to 29<sup>th</sup> December, 2022.
1. Krishna Kumar, Madhulika Das and Amrendra Kumar Karn' ANFIS robust control application and analysis for load frequency control with nonlinearity, Journal of Electrical Systems and Information Technology 11, Article number: 65 (2024)
2. Muzaffar Naveed, Prof. Alivelu M Parimi, Prof. Sandip S. Deshmukh, and Dr. Madhulika Das Optimization of Peer-to-Peer Energy Trading in Microgrids: A Multi-Criteria Approach Incorporating Dynamic Pricing, User Preferences, Load Combinations, and RES" , Fourth International Conference on Emerging Frontiers in Electrical and Electronic Technologies , 2024
3. Madhulika Das , Muzaffar Naveed, Abhishek Toluva SOLAR SAVIOUR: AN ARDUINO-BASED FIREFIGHTING VEHICLE , International Journal of Scientific Research in Engineering and Management (IJSREM) , 2024
4. A.Sathish Kumar,Vankadara Sampath Kumar, Dr.N.Joshna, Dr.Madhulika Das and Y.Rambabu A HP-ETDM Model for Achieving Carbon Neutrality in Industrial Energy, 2023 IEEE International Conference on Multidisciplinary Research in Technology and Management, 2023
5. Madhulika Das "Designing Optimal Controller for Linear Multi-Input Multi- Output Uncertain Systems via Second Order Sliding Mode", International Journal of Electronics, Electrical and Computational System IJEECS ISSN 2348-117X Volume 7, Issue 3 March 2018.
6. Madhulika Das and Vinay Kumar Jadoun, "Stabilization of Chaotic Systems Using Robust Optimal Controller", Intelligent Computing Techniques for Smart Energy Systems, Springer Lecture Notes in Electrical Engineering 607, 2020.
7. 2.Akanksha Kalia, Shikar Sharma, Saurabh Kumar Pandey, Vinay Kumar Jadoun and Madhulika Das,"Comparative Analysis of Speaker Recognition System based on Voice Activity Detection technique, MFCC and PLP features" Intelligent Computing Techniques for Smart Energy Systems, Springer Lecture Notes in Electrical Engineering 607, 2020.

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