

Annasaheb Dange College of Engineering and Technology, Ashta
Faculty Profile (Detailed)

Name of the Teaching Staff	:	Mrs. Madhuri J Siddharapu																																	
Designation	:	Assistant Professor																																	
Parent Department	:	Computer Science and Engineering [Internet of Things and Cybersecurity including Blockchain Technology]																																	
Date of Birth	:	25/07/1985																																	
Date of Joining the Institution	:	13/06/2022																																	
Email ID	:	madhuri_iot@adcet.in																																	
Contact Number	:	8884099505																																	
Address	:	Sundar Nivas, Samatha Nagar, Old Haripur Road, Miraj - 416410																																	
Google Scholar Link	:	https://scholar.google.com/citations?user=J-KipNYAAAAJ&hl=en																																	
Scopus Link	:	https://www.scopus.com/authid/detail.uri?authorId=60547025700																																	
Web of Science Link	:	--																																	
ORCID Link	:	https://orcid.org/0009-0008-8243-0069																																	
Vidwan Link	:	https://vidwan.inflibnet.ac.in/profile/654388																																	
ResearchGate Link:	:	https://www.researchgate.net/profile/Madhuri-Siddharapu/research																																	
Qualifications with Class / Grade	:	<table><tr><th>Academic Credentials</th><th>Duration</th><th>University/Board</th><th>Marks</th><th>Grade</th></tr><tr><td>PhD</td><td>Pursuing</td><td>VIT, Bhopal University</td><td>--</td><td>--</td></tr><tr><td>M.Tech.</td><td>2015 -17</td><td>KLE Technological University, Hubballi</td><td>9.11 (CGPA)</td><td>FCD</td></tr><tr><td>B.E.</td><td>2005-09</td><td>B.V.B. College of Engineering and Technology, Hubli</td><td>60 %</td><td>FC</td></tr><tr><td>PUC</td><td>2002-04</td><td>P.C. Jabins Science college Hubli</td><td>55.33%</td><td>SC</td></tr><tr><td>SSLC</td><td>2001</td><td>Sacred Heart Convent High School, Hubli</td><td>87.68%</td><td>FCD</td></tr></table>				Academic Credentials	Duration	University/Board	Marks	Grade	PhD	Pursuing	VIT, Bhopal University	--	--	M.Tech.	2015 -17	KLE Technological University, Hubballi	9.11 (CGPA)	FCD	B.E.	2005-09	B.V.B. College of Engineering and Technology, Hubli	60 %	FC	PUC	2002-04	P.C. Jabins Science college Hubli	55.33%	SC	SSLC	2001	Sacred Heart Convent High School, Hubli	87.68%	FCD
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Total Experience in Years	:	<table><tr><th>Organization</th><th>Designation</th><th>From</th><th>To</th><th>Total</th></tr><tr><td>Annasaheb Dange College of Engineering and Technology, Ashta.</td><td>Assistant professor</td><td>June 2022</td><td>Till date</td><td>4 years</td></tr><tr><td>Walchand College of Engineering, Sangli</td><td>Assistant professor</td><td>July 2018</td><td>May 2022</td><td>3 years</td></tr><tr><td>Dr. J. J. Magdum Polytechnic, Jaysingpur.</td><td>Lecturer</td><td>Jan 2014</td><td>April 2014</td><td>4 months</td></tr><tr><td>Dr. J. J. Magdum Polytechnic, Jaysingpur.</td><td>Lecturer</td><td>July 2011</td><td>April 2012</td><td>10 months</td></tr><tr><td></td><td></td><td></td><td>Total</td><td>8 Years</td></tr></table>	Organization	Designation	From	To	Total	Annasaheb Dange College of Engineering and Technology, Ashta.	Assistant professor	June 2022	Till date	4 years	Walchand College of Engineering, Sangli	Assistant professor	July 2018	May 2022	3 years	Dr. J. J. Magdum Polytechnic, Jaysingpur.	Lecturer	Jan 2014	April 2014	4 months	Dr. J. J. Magdum Polytechnic, Jaysingpur.	Lecturer	July 2011	April 2012	10 months				Total	8 Years
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Papers Published in Journals	:	--																														
Papers Presented in Conferences	:	1. Hybrid CNN-Transformer and YOLOv8-Based Robust Real-Time Object Detection for Autonomous Vehicles, IEEE, 2025 Innovations in Power and Advanced Computing Technologies (i-PACT) 2. Multimodal AI Health Assistant with Sign Language Recognition, Vitals Monitoring, and Medical LLM Integration, International Conference on Recent Trends in Engineering and Technology (ICRTET 2026) 3. Shesecure: An RF and GPS Based Distress Response Framework Using Smart Poles, International Research Journal on Advanced Engineering Hub (IRJAEH) 4. Blockchain-Based Security Mechanism for Vehicle-to-Everything (V2X) Communication,, 2025 IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS). 5. A Machine Learning Approach to Object Detection for Free Path Navigation, Hinweis Third International Conference on Advanced Research in Engineering and Technology, 6. IoT- Enabled Smart Parking System with Real-Time Image Processing and Mobile Integration Using Raspberry Pi, Hinweis Third International Conference on Advanced Research in Engineering and Technology. 7. Optimizing Object Detection in Autonomous Vehicles Using YOLOv11 and Hybrid Deep Learning Approaches. 5th International Conference on Signal and Data Processing [ICSDP]																														
Area of Specialisation	:	Internet of Things , Machine Learning, Microcontrollers																														
Title of PhD Thesis	:	Object Detection in Autonomous Vehicles using Machine Learning																														
Name of PhD Supervisor	:	Dr. Soumitra Nayak																														
PhD Guide? Give field & University.	:	--																														

PhDs / Projects Guided	:	</			
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	2.	5 Day Online FDP on Inculcating Universal Human Values (UHV) in Technical Education	10th to 14th October 2022	Online (AICTE)
	3.	Designing and Modelling of IoT, AI and ML Systems.	1st to 5th August 2022	Online (AICTE, ATAL, Arm, & STMicroelectronics)
	4.	Professional Development Program on Implementation of NEP-2020 for University and College Teachers	21- 31 Dec 2022	IGNOU
	5.	12-week FDP on 'Microprocessor and Microcontroller'	Jan-Apr 2023	Swayam-NPTEL
	6.	IP Awareness Training Program under National Intellectual Property Awareness Mission	10 Jan 2023	Annasaheb Dange College of Engineering and Technology, Ashta
	7.	FDP on Cyber Security and Ethical Hacking	26/08/2024 to 30/08/2024	Department of Information Technology, D Y Patil College of Engineering, Akurdi.
	8.	Faculty Development Program on Recent Trends in Renewable Energy and Distributed Generation	19/08/2024 to 24/08/2024.	AICTE Training and Learning (ATAL)
	9.	FDP on New Horizons in Artificial Intelligence	8-12 Jan 2024	Dept of AIDS, Jansons Institute of Technology, Coimbatore
	10.	FDP on AI- Assisted Scientific Writing and Publishing	23-24 Feb 2024	Annasaheb Dange College of Pharmacy, Ashta
	11.	FDP on Internet of Things	1 Month	SkillDzire
	12.	FDP on Transforming Education: AI Trends	6-10 Jan 2025	ADCET
	13.	FDP on Advanced Machine Learning using Python with Green Technology under skills4Future Program	6-11th Jan 2025	ADCET
	14.	Data Analytics Using Power BI	28th July 2025 to 01st August 2025	Atria Institute of Technology (AIT), Autonomous, Bangalore, Karnataka.
	15.	FDP on Cybersecurity '25	30th Jan 2025	ExcelR Edtech Pvt. Ltd and ADCET, Ashta
	16.	Cyber Security	14-20 feb 2025	ExcelR Edtech Pvt. Ltd and ADCET, Ashta
	17.	Agentic AI : The next evolution in intelligent systems	5th Dec 2025	AIDS Dept, ADCET
	18.	FDP on Machine Learning	17-Mar-2025 To 31-Mar-2025	SkillDzire
	19.	FDP on Outcome Based Education & Accreditation	2-6 Jan 2026	WCE, Sangli
	20.	FDP on High performance computing and AI	19-23 Jan 2026	At DKTE, Ichalkaranji sponsored by CDAC, Pune
NPTEL Course/ MOOC	:	1. Introduction To Internet Of Things 2. Introduction To Industry 4.0 And Industrial Internet Of Things 3. Accreditation and Outcome Based Learning 4. Microcontrollers and Microprocessors		

Additional responsibilities held at the Institute Level	:	1. Mini Project Coordinator 2. Women Empowerment Cell Coordinator
Additional responsibilities held at the Departmental Level	:	1. Academic Coordinator 2. BOS Member Secretary 3. DIQAC Convenor 4. PAC Convenor 5. Expert Member for CSE [IOT & CSBT] Dept for Question Paper Quality Scrutiny Committee
Subjects Taught	:	Operating System, Microcontrollers, Internet of Things, Machine Learning, Computer Organisation and Architecture, Computer Networks, Data Communication
Special Achievement	:	Gold Medalist in Mtech [Digital Electronics] from KLE Technological University, Hubballi

Mrs. Madhuri J Siddharapu
Assistant Professor
CSE [IOT & CSBT]