



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research
Ravet, Pune**



Academic Year: 2021 - 22

Faculty Profile



Name of Faculty:	MADHURI HUSAN BADOLE		
Qualification :	M.E. (WCC), PhD(CSE) Pursuing		
Designation :	Assistant Professor		
Department :	Computer Engineering		
Date of Joining :	1 st July 2016		
Experience :	Teaching : 8 yr Industry: - Research: -		
Research Areas / Area of Specialization	Vehicular Ad-hoc Network, Artificial Intelligence, Machine Learning		
Courses / Subjects Taken:	Fundamentals of Data Structure, Data Structure and Algorithm, Data Mining and Ware housing.		
IPR :	Title	Docker No./ Diary No.	Registered /Filed
	Improved Teaching Learning Process	10711/2021-CO/L	Registered
	OBE Based Academic Planning and Implementation Manual	L-106372/2021	Registered
	To achieve constant speed through VANET	672/2018-CO/L	Registered
	Voice based product tracking system in mall for customers	683/2018-CO/L	Registered
	Computer Network lab manual with programs and output	903/2018-CO/L	Registered
	Sign Language Mediator	11681/2021-CO/L	Filed
	Colour changing game using python and GUI application Tkinter	15291/2021-CO/L	Filed
	System for self-cooling for four wheeler	CBR Number : 27077	Filed
Research Publications :	-		
Journal Publications:	Year	Title of Paper	Published in
	2014	Protocol design for an	IJAIEM

		efficient Gateway Discovery & Dispatching for Vehicular Ad Hoc Network	
	2014	Performance evaluation of an efficient cloud-assisted gateway discovery for vehicular ad hoc network	IJAFRC
	2017	Evaluation Based On the Efficient Selection of Cloud-Assisted Gateway for VANET	IJRASET
	2017	Smart Attendance Monitoring System using Raspberry PI	IJRASET
	2018	An Android Application to Find Efficient Way for Courier Services	IJRASET
	2019	3-Level Authentication for Bank Locker Security	ISROSET
	2019	Automatic Collection and Segregation of Domestic Solid Waste using IoT	IJAST
	2020	Intelligent Music Player Based on Emotions	IJRTE
	2021	Real-Time Age and Gender Simulation using ResNet CNN	HTL
	2021	SIGN LANGUAGE MEDIATOR	HTL
Conference Publications:	Year	Title of Paper	Published in
	2020	Analysis of an efficient gateway discovery and dispatching for Vehicular Ad-Hoc Network	IEEE Xplore
	2020	Automatic Collection and Segregation of Domestic Solid Waste using IOT	RCICD'20
	2020	Efficient authentication technique in Medical application by using Homomorphic Encryption on Finger Print and RFID Tags	IEMIS 2020
Books Publication:			
Profile Link :	Scopus Profile: - Google Scholar Profile: https://scholar.google.com/citations?hl=en&user=PRdmLAIAAAAJ&view_op=list_works&authuser=1&gmla=AJsN-F4LA2pfqJmEFMxE01B93FPFnJncmHFs-7V3H9JBMWQvxxwQhbjOFpEWRZTOAzRCokzGUf0ByqjrJRul65Dus6KODIKjDh5G1wiXeOkpqf1MZHfN0o		
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Product Developed:	-
Certifications :	<ul style="list-style-type: none"> • Introduction to User Experience Design – coursera • Develop a Company Website with Wix – coursera • The Data Scientist’s Toolbox – Coursera • Detecting and Mitigating Cyber Threats and Attacks - Coursera • Python - Spoken Tutorial • Java – Spoken Tutorial • Scilab – Spoken Tutorial
Awards/Appreciation/Achievements:	<ul style="list-style-type: none"> • University 8th Rank Holder in M.E. at R.T.M. Nagpur University. • Two times GATE Qualified in 2013 and 2018 • Part of World record for filing most copyright in one day by women.
Membership:	ACM
Industrial Training :	<ul style="list-style-type: none"> • Deep Learning Using Medical Data at Finland Labs (A unit of Revert Technology Pvt. Ltd.) • FDP on AI and ML RPG Foundation conducted by ZENSAR • FDP on AI and ML at JSPM conducted by ZENSAR
Resource Person /Expert Session/Jury Invited:	Conducted Guest Lecture on “Roadmap of Design and Analysis of Algorithms” at DYPIEMR
Workshop/FDP/STTP attended(more than a Week):	<ul style="list-style-type: none"> • 9 days FDP on JAVA organized by Spoken Tutorial Project, IIT Bombay at Zeal College of Engineering and Research ,Pune • One week FDP on Scilab organized by Department of Electronics & Telecommunication Engineering, S. B. Jain Institute of Technology, Management & Research in association with IIT Bombay • One week FDP on Introduction to Artificial Intelligence and Machine Learning organized by Department of CSE in association with CSI-Hyderabad. • The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop • Virtual Labs: Hands-on workshop • Applied Machine Learning & Its Application with Python • AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" • International Workshop on "Deep Learning" • ICTE sponsored one week STTP on “High Performance Computing Using Parallel, Distributed and Cloud Computing (HPCPDC2)
Event Organized Inter department/Inter college/ Other recognized Industry/IIT's/NPTEL/SPOKEN TUTORIAL/ etc. :	-
Event Organized in Department:	Organized Hands-on session on “Google it for Web Tools” for Faculty.
University level appointments:	-
Administrative Duties:	Department Higher study coordinator, Reservation cell coordinator.
Academics Duties:	Departmental Internal Exam coordinator, Lab Incharge, Module coordinator.
Any Other	-