



FACULTY PROFILE

Name	Dr.Rajkumar M Vadgave
Employee ID	AIET103
Designation	Associate Professor and HOD of E & CE
Educational Qualification	Ph.D.
Area of Specialization	Wireless Sensor Networks
Department	Electronics and Communication Engineering
Date of Joining to AIET	01-07-2026
Total Experience in years	Teaching :13 Research: 5
E-mail	rajkumarv074@gmail.com

Details of Educational Qualification

Degree	Specialization	Passed out year	University
Ph.D.	Wireless Sensor Networks	2025	VTU Belagavi
M.Tech	Communication Systems	2013	VTU Belagavi
B.E.	Electronics and Communication Engineering	2011	VTU Belagavi

Research Details

Research Areas	Wireless Sensor Networks, Communication System
Google scholar ID	rajkumarv074@gmail.com
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h-index (scopus)	5
i10 index	1

Papers Published in Journals

Sl. No	Title of the paper	Year of Publication	Journal Name	DOI
1	Advanced spatial adaptive channel estimation for efficient mmWave communication	December-2024	Bulletin of Electrical Engineering and Informatics	10.11591/eei.v13i6.8304
2.	Adaptive Random Spatial based Channel Estimation(ARSCE) for millimeter wave MIMO System	2022	International Journal of Computer Networks and Communication (IJCNC)	https://doi.org/10.5121/ijcnc.2022.14106
3.	Optimized cluster based energy aware Routing (OCEAR) to prolong network lifetime in WSNs	2025	International Journal of Wireless and Mobile networks (IJWMN)	DOI:10.5121/ijwmn.2025.17401
4.	Adaptive Random Spatial based Channel Estimation(ARSCE) for wideband mm wave MIMO System	2021	IEEE	https://doi.org/10.1109/ICEECCO T52851.2021.9707943

Papers Presented in Conferences

Sl. No	Title of the paper	Name of the Conference	Date of Conference	Place of Conference
1	Adaptive Random Spatial based Channel Estimation(ARSCE) for wideband mm wave MIMO System	ICEECCOT	December-2021	Mysuru
2.	Comparative analysis of energy efficient dynamic multi cluster routing algorithm with leach protocol for wireless sensor network	RTEMS	April-2022	LAEC Bidar
3.	Performance analysis of energy efficient dynamic multi cluster routing algorithm for wireless sensor network	AIECCT	11-12, August 2021	GNDEC Bidar
4.	Energy Efficient Dynamic Multi cluster Routing Algorithm for Wireless Sensor Network	IJCA	July-2013	Navi Mumbai

Awards

Sl. No	Name of the Award	Year	Awarding Organization
1.	Best Conference Paper Award	2022	LAEC Bidar

Faculty Development Program (FDP)/Student Development Program (SDP)/Conference organized

Sl. No	Name of the program	FDP/SDP/Conference	Period	
			From	To
1.	National Conference On Recent Trends IN Engineering and Management Studies (RTEMS) at LAEC Bidar	Conference	12-04-2021	13-04-2021
2	Faculty development program on “Teaching Methodologies” conducted at VNEC Shorapur	FDP	13-01-2018	16-01-2018

Past positions

Sl. No	Designation	Organisation	Period	
			From	To
1	Associate Professor	BKIT, Bhalki	01-01-2026	27-06-2026
2	Assistant Professor	BKIT, Bhalki	01-08-2023	31-12-2025
3	Assistant Professor	LAEC, Bidar	03-12-2021	31-07-2023
4	Assistant Professor	VNEC, Shorapur	01-07-2013	01-12-2021