Faculty Profile

Name	Dr. Anagha Vijaysinha Rajput
Designation	Assistant Professor
Department	Electronics & Telecommunication Engineering
Email	avrajput@pict.edu
Phone	+91 7530006604

Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D.	Vellore Institute of Technology	2021
M.Tech (Communication)	Vellore Institute of Technology	2010
B.E. (Electronics & Telecommunication Engineering)	SVERI's College of Engineering Pandharpur	2008

Professional Experience

Sr. No.	Designation & Institute	Duration
1	Assistant Professor at Department of Electronics and Telecommunication Engineering, Pune Institute of Computer Technology, Pune	08/2021 – till date
2	Assistant Professor at Department of Electronics Engineering, Walchand Institute of Technology, Solapur	07/2012 - 04/2016
3	Assistant Professor at Department of Electronics and Telecommunication Engineering, Lovely Professional University, Phagwara, Punjab.	08/2010 – 05/2011
4	Project Trainee at Central Research Laboratory (CRL-BEL), Bharat Electronics Limited, Bengaluru.	09/2009 – 05/2010

Research Publications

Sr. No.	Title	Publication/Conference
1	DDoS Attack Detection and Mitigation Technique	PICT's International Journal of Engineering and

		Technology, 2024
2	Early Detection of Abnormal Lung Condition based on Deep Learning Model	PICT's International Journal of Engineering and Technology, 2024
3	FCM clustering and FLS based CH selection to enhance sustainability of wireless sensor networks for environmental monitoring applications	Ambient Intelligence and Humanized Computing, Springer, 2021
4	A cluster leader selection algorithm to enhance the lifetime of scalable wireless sensor network	Journal of Circuits, Systems and Computers, World Scientific, 2021
5	Fuzzy-based clustering scheme with sink selection algorithm for monitoring applications of wireless sensor networks	Arabian Journal for Science and Engineering, Springer, 2020
6	Fuzzy logic–based distributed clustering protocol to improve energy efficiency and stability of wireless smart sensor networks for farmland monitoring systems	International Journal of Communication Systems, Wiley, 2020
7	Scalable and sustainable wireless sensor networks for agricultural application of Internet of things using fuzzy-c-means algorithm	Sustainable Computing: Informatics and Systems, Elsevier, 2019
8	A fuzzy logic based pico serving node placement for 5G ultra dense networks	International Journal of Advanced Science and Technology, SERSC, 2019
9	Clustering techniques of wireless sensor networks for Internet of things	Journal of Engineering and Applied Sciences, ARPN, 2018
10	Energy conservation of sensor nodes using LMS based prediction model	International Journal of Science and Research, 2016

Books Published

Sr. No.	Title	Publisher & Year
1	A Survey: Network Attack Detection and Mitigation Techniques	Lecture Notes in Networks and Systems (Springer book series), 2024
2	Lung Disease Detection Based on Deep Learning Techniques: A Review	Lecture Notes in Networks and Systems (Springer book series), 2024
3	Smart monitoring of farmland using fuzzy-based distributed wireless sensor network	Emerging Technologies for Agriculture and Environment, Lecture Notes on Multidisciplinary Industrial Engineering (Springer book series), 2020

Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
1	NEP 2020 Orientation & Sensitization	2024
2	Innovative Pedagogical Practices and ICT enabled Teaching Learning	2024
3	Transformation in healthcare: Smart technologies	2023
4	Future Trends in 5G & 6G: Challenges, Architecture & Applications	2023
5	Inculcating Universal Human Values in Technical Education	2022
6	Implementation of NEP2020 for University and College Teachers	2022
7	MATLAB and LABVIEW	2022
8	Qualitative and Quantitative Approaches for Quality Assurance through performance indicators in Engineering Institutions	2022
9	Outcome based Pedagogic Principles for Effective Teaching	2022
10	Effective Engineering Teaching in Practice	2022

Awards & Recognitions - Nil

Sr. No.	Award/Recognition	Year

Areas of Interest

Sr. No.	Area
1	Wireless Sensor Networks
2	Wireless communications and networks