Faculty Profile

Faculty Name	Richa Choudhary
Designation	Assistant Professor
Qualification	PhD, M.Tech, B.Tech
Email	Richa.cse-aiml@piet.co.in, richachoudhary.86@gmail.com
Area of Interest	Machine Learning, Computational sustainability, Game theory
Work Experience (Total)	12 Years
• Teaching	9 Years
• Research	4 Years
• Industry	3 Years
• Others	-
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Databases, Data structures, Programming in C , Object-oriented Programming (C++ , Java), Enterprise Java, Enterprise Information Architecture, Applied Statistics.
Membership of Professional Bodies	
Research Publications	
• Research Papers UGC-CARE	
• Research Papers SCOPUS	• Automatic speaker verification system substantiating children's dialects in school settings • Drone Technology in Waste Management: A Review • Big Data Analytics in E-Healthcare Using Hadoop and Hive • A Novel End-to-End Framework for Story Generation Using Deep Neural

	Networks
	• Investigating Lattice-Free Acoustic Modeling for Children Automatic Speech Recognition in Low-Resource Settings Under Mismatched Conditions.
	• Tiger Community Analysis in the Sundarbans
	• VAARTA: A Secure Chatting Application Using Firebase Check for updates
	• CAD Model for Biomedical Image Processing for Digital Assistance
	• Comparative Analysis of Heart Disease Prediction Using Machine Learning Algorithms
	• Retinal Optical Coherence Tomography Classification Using Deep Learning
	• Impact of 5G on the Internet of Connected Vehicles and Challenges: A Survey
Research Paper(WOS/SCI)	• Exploring tiger movement pattern according to prey context: a case study in Sundarbans region of India • A review of tiger conservation studies using nonlinear trajectory: A telemetry data approach
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Book and Chapter Publications	
• Books Authored published by	Green Computing: under pub lication

International Publishers	
• Books Authored published by National Publishers	
• Publication of Chapter in Edited Books	**Application of Intelligent Techniques in health-care sector**
• Editor of Book by International Publishers	
• Editor of Book by National Publishers	
• Translation Work of Book	
• List of Book and Chapter Publications	
Patents	
• Published	
• List of published patent(s)	
• Filed	
• List of filed patent(s)	
PhD Guidance	
• Degree Awarded	-
• Thesis Submitted	-
M.Tech. Guidance	
• Degree Awarded	-
• Thesis Submitted	-
Research Project	
• List of Research project	-
Consultancy	
• List of Consultancy	-
Awards & Honours	
• List of Awards & Honours	
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	

• International (Abroad)	
	• Presented paper "Tiger Community Analysis in the Sundarbans " at International Conference on Micro-Electronics and Telecommunication Engineering 2023. • Presented paper "Retinal Optical Coherence Tomography Classification Using Deep Learning" at International conference on Emerging Technologies in Data Mining and Information Security 2022. • Presented paper "Impact of 5G on the Internet of Connected Vehicles and Challenges: A Survey" at International conference on Soft computing: theories and applications. • Presented paper "Big Data Analytics in E-Healthcare Using Hadoop and Hive" at International conference on Futuristic Trends in Networks and Computing Technologies 2021. • Presented poster for the paper "Drone Technology in Waste Management: A Review" at International Conference on International Conference on Unmanned Aerial System in Geomatics 2021.
• International (Within Country)	
• National	
• List of published papers	**2 Journal , 12 Conference and 1 Book**

	Chapter (details are given above)
Organizing National Conference/ International Conference/ FDP/STTP	
• List of Conference/FDP/STTP committee	**NGCT 2016 , NGCT 2017, ICMLDE 2022, ICMLDE 2023.**
Social Contributions and Sports	
• **List of Social Contributions and Sports**	