

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	<ul style="list-style-type: none"> • 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

	<p>Networks</p> <ul style="list-style-type: none"> • 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
<p>Research Paper(WOS/SCI)</p>	<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 	
<p>Book and Chapter Publications</p>	
<ul style="list-style-type: none"> • Books Authored published by 	<p>Green Computing: under publication</p>

International Publishers	
<ul style="list-style-type: none"> Books Authored published by National Publishers 	
<ul style="list-style-type: none"> Publication of Chapter in Edited Books 	<u>Application of Intelligent Techniques in health-care sector</u>
<ul style="list-style-type: none"> Editor of Book by International Publishers 	
<ul style="list-style-type: none"> Editor of Book by National Publishers 	
<ul style="list-style-type: none"> Translation Work of Book 	
<ul style="list-style-type: none"> List of Book and Chapter Publications 	
Patents	
<ul style="list-style-type: none"> Published 	
<ul style="list-style-type: none"> List of published patent(s) 	
<ul style="list-style-type: none"> Filed 	
<ul style="list-style-type: none"> List of filed patent(s) 	
PhD Guidance	
<ul style="list-style-type: none"> Degree Awarded 	-
<ul style="list-style-type: none"> Thesis Submitted 	-
M.Tech. Guidance	
<ul style="list-style-type: none"> Degree Awarded 	-
<ul style="list-style-type: none"> Thesis Submitted 	-
Research Project	
<ul style="list-style-type: none"> List of Research project 	-
Consultancy	
<ul style="list-style-type: none"> List of Consultancy 	-
Awards & Honours	
<ul style="list-style-type: none"> List of Awards & Honours 	
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	

<ul style="list-style-type: none"> • International (Abroad) 	
<ul style="list-style-type: none"> • International (Within Country) 	<ul style="list-style-type: none"> • 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 Unmanned Aerial System in Geomatics 2021.
<ul style="list-style-type: none"> • National 	
<ul style="list-style-type: none"> • List of published papers 	<p>2 Journal , 12 Conference and 1 Book Chapter (details are given above)</p>

Organizing National Conference/ International Conference/ FDP/STTP	
<ul style="list-style-type: none"> • List of Conference/FDP/STTP committee 	NGCT 2016 , NGCT 2017, ICMLDE 2022, ICMLDE 2023.
Social Contributions and Sports	
<ul style="list-style-type: none"> • List of Social Contributions and Sports 	