

### Faculty Profile

<b>Faculty Name</b>	Ms. Roshni Jha
<b>Designation</b>	Assistant Professor
<b>Qualification</b>	M.Tech, B.Tech
<b>Email</b>	roshni.cse-et@piet.co.in
<b>Area of Interest</b>	Artificial Intelligence, Data Science
<b>Work Experience (Total)</b>	6.5yr
<ul style="list-style-type: none"> <li>• Teaching</li> </ul>	6.5yr
<ul style="list-style-type: none"> <li>• Research</li> </ul>	
<ul style="list-style-type: none"> <li>• Industry</li> </ul>	
<ul style="list-style-type: none"> <li>• Others</li> </ul>	
<b>Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level</b>	B.Tech, BCA, B.Com Principles of Programming Language, Reinforcement learning, Internet of Things
<b>Membership of Professional Bodies</b>	NO
<b>Research Publications</b>	03
<ul style="list-style-type: none"> <li>• Research Papers UGC-CARE</li> </ul>	
<ul style="list-style-type: none"> <li>• Research Papers SCOPUS</li> </ul>	03
<ul style="list-style-type: none"> <li>• Research Papers WoS/SCI/ABDC</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Publications</li> </ul>	<ol style="list-style-type: none"> <li>1. A review on multi-path Routing algorithm to balance energy consumption in wireless sensor network</li> <li>2. Energy efficient multipath routine protocol based on particle swarm optimization for WSN</li> <li>3. Energy efficient particle Swarm optimization based Multipath Routing in WSN</li> </ol>
<b>Book and Chapter Publications</b>	NO
<ul style="list-style-type: none"> <li>• Books Authored published by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Books Authored published by National Publishers</li> </ul>	

• Publication of Chapter in Edited Books	
• Editor of Book by International Publishers	
• Editor of Book by National Publishers	
• Translation Work of Book	
• List of Book and Chapter Publications	
<b>Patents</b>	NO
• Published	
• List of published patent(s)	
• Filed	
• List of filed patent(s)	
<b>PhD Guidance</b>	NO
• Degree Awarded	
• Thesis Submitted	
<b>M.Tech. Guidance</b>	NO
• Degree Awarded	
• Thesis Submitted	
<b>Research Project</b>	NO
• List of Research project	
<b>Consultancy</b>	NO
• List of Consultancy	
<b>Awards &amp; Honours</b>	NO
• List of Awards & Honours	
<b>Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference</b>	
• International (Abroad)	
• International (Within Country)	
• National	

<ul style="list-style-type: none"> <li>List of published papers</li> </ul>	<ol style="list-style-type: none"> <li>1. A review on multi-path Routing algorithm to balance energy consumption in wireless sensor network</li> <li>2. Energy efficient multipath routine protocol based on particle swarm optimization for WSN</li> <li>3. Energy efficient particle Swarm optimization based Multipath Routing in WSN</li> </ol>
<p><b>Organizing National Conference/ International Conference/ FDP/STTP</b></p>	<p>1 Conference, 1 FDP</p>
<ul style="list-style-type: none"> <li>List of Conference/FDP/STTP committee</li> </ul>	<ol style="list-style-type: none"> <li>1. Organizing Committee member in International Conference on Intelligent Systems: Approaches, Technologies, and Network -2023 held in PIET, samalkha in Dec 2023.</li> <li>2. Attended FDP on Application of Machine Learning Technique in Sustainable Technology (AMLST-2024)</li> </ol>
<p><b>Social Contributions and Sports</b></p>	
<ul style="list-style-type: none"> <li>List of Social Contributions and Sports</li> </ul>	