

### Faculty Profile

<b>Faculty Name</b>	Mr. Vishal Jain
<b>Designation</b>	Assistant Professor
<b>Qualification</b>	Ph.D*, M.Tech, B.Tech
<b>Email</b>	vishaljain.ece@piet.co.in
<b>Area of Interest</b>	Signal Processing, Radio Over Fiber
<b>Work Experience (Total)</b>	
<ul style="list-style-type: none"> <li>• Teaching</li> </ul>	12
<ul style="list-style-type: none"> <li>• Research</li> </ul>	2
<ul style="list-style-type: none"> <li>• Industry</li> </ul>	4
<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>	P.G. : Digital Signal Processing, Information Theory and Coding, VLSI Signal Processing U.G.: Signal & System, Digital Signal Processing, Control System, Electromagnetic Wave Theory. Antenna & Wave Propagation, Microwave Engineering, Information Theory and Coding
<b>Membership of Professional Bodies</b>	
<b>Research Publications</b>	
<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>	1
<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>	Review on Nonlinearity Effect in Radio over Fiber System and its Mitigation, Journal of Optical Communication
<b>Book and Chapter Publications</b>	
<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>	
<ul style="list-style-type: none"> <li>• Publication of Chapter in Edited Books</li> </ul>	
<ul style="list-style-type: none"> <li>• Editor of Book by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Editor of Book by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Translation Work of Book</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Book and Chapter Publications</li> </ul>	
<b>Patents</b>	
<ul style="list-style-type: none"> <li>• Published</li> </ul>	

<ul style="list-style-type: none"> <li>List of published patent(s)</li> </ul>	
<ul style="list-style-type: none"> <li>Filed</li> </ul>	1
<ul style="list-style-type: none"> <li>List of filed patent(s)</li> </ul>	A Novel System for Category based Content recommendation using Artificial Intelligence(AI) and Neuro Linguistic Programming (NLP) and method thereof, Application No. 202111022160
<b>PhD Guidance</b>	
<ul style="list-style-type: none"> <li>Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>Thesis Submitted</li> </ul>	
<b>M.Tech. Guidance</b>	
<ul style="list-style-type: none"> <li>Degree Awarded</li> </ul>	5
<ul style="list-style-type: none"> <li>Thesis Submitted</li> </ul>	
<b>Research Project</b>	
<ul style="list-style-type: none"> <li>List of Research project</li> </ul>	
<b>Consultancy</b>	
<ul style="list-style-type: none"> <li>List of Consultancy</li> </ul>	
<b>Awards &amp; Honours</b>	
<ul style="list-style-type: none"> <li>List of Awards &amp; Honours</li> </ul>	<ol style="list-style-type: none"> <li>Honored for Judgment in AICTE and MHRD event Smart India Hackathon-2019</li> <li>Best Teacher award in PIET in Year 2017</li> </ol>
<b>Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference</b>	
<ul style="list-style-type: none"> <li>International (Abroad)</li> </ul>	
<ul style="list-style-type: none"> <li>International (Within Country)</li> </ul>	3
<ul style="list-style-type: none"> <li>National</li> </ul>	
<ul style="list-style-type: none"> <li>List of published papers</li> </ul>	<p>[1] "Intermodulation Distortion Analysis In Radio-Over-Fiber Networks With Single Side Band Modulation," International Conference on Communication &amp; Electronics, ICCE-2012, KIET, Ghaziabad.</p> <p>[2]"Performance Improvement Techniques For Radio Over Fiber System: An Overview" International Conference on Intelligent Computing and Communication (ICICC-2020) at SSCBS, Delhi India in Feb-2020.</p> <p>[3]"Analytical and Simulative Modeling of RoF System with Intensity Modulation Including Fiber Dispersion Effect" International Conference on Intelligent Computing and Communication (ICICC-2020)</p>

	at DSU Bangalore, India in Sept-2020.
<b>Organizing National Conference/ International Conference/ FDP/STTP</b>	
<ul style="list-style-type: none"><li>• List of Conference/FDP/STTP committee</li></ul>	
<b>Social Contributions and Sports</b>	
<ul style="list-style-type: none"><li>• List of Social Contributions and Sports</li></ul>	