

Faculty Profile

Faculty Name	Mitu Sehgal
Designation	Assistant Professor
Qualification	Ph.d*, M.Tech, B.Tech
Email	Mitu.it@piet.co.in
Area of Interest	IoT, ML
Work Experience (Total)	
<ul style="list-style-type: none"> ● Teaching 	14 years
<ul style="list-style-type: none"> ● Research 	
<ul style="list-style-type: none"> ● Industry 	
<ul style="list-style-type: none"> ● Others 	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Computer Graphics, Cloud Computing, Operating System, Analysis and Design of Algorithms, Data Science with R Programming, Software Engineering, Broadband Communication (BBC), Data warehouse and data mining (DWDM), Data Structure, FCPC, Data & Digital Communication (DDC), Management information system (MIS), Computer Networks
Membership of Professional Bodies	
Research Publications	
<ul style="list-style-type: none"> ● Research Papers UGC-CARE 	
<ul style="list-style-type: none"> ● Research Papers SCOPUS 	05
<ul style="list-style-type: none"> ● Research Papers WoS/SCI/ABDC 	
<ul style="list-style-type: none"> ● List of Publications 	<ol style="list-style-type: none"> 1.Comparative Study on Energy-Efficiency for Wireless Body Area Network using Machine Learning Approach 2.Machine learning Techniques for Heart Diseases Prediction 3.Intelligent Hybrid Model for Energy-Efficiency on WBAN 4.Handover in IPV6 in its optimization techniques: a survey

	<p>5. An Approach to Artificial Intelligent System for Tourism Industry</p> <p>6. Impact of Big data analytics in E-commerce in India</p> <p>7. An empirical analysis of Cyber Crimes, their prevention measures, and laws in India</p> <p>8. An Approach to Criminal Suspect Prediction Software using Machine Learning Classifiers</p>
Book and Chapter Publications	
<ul style="list-style-type: none"> ● Books Authored published by 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 	02
<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 	<p>1. Heart Diseases Prediction Utilizing a Machine Learning System, As Well As Future Prediction Using Virtual Reality</p> <p>2. Splitter with Cryptographic Model for Cloud Data Transmission Security</p>
Patents	04
<ul style="list-style-type: none"> ● Published 	03
<ul style="list-style-type: none"> ● List of published patent(s) 	<p>1. Published a Patent entitled “Remote control based secured smart phone using IOT”.</p> <p>2. Published a Patent entitled “System and Method for Routing Electric Vehicle from Current Position to Destination Using Artificial Intelligence”.</p>

	3. Published a Patent entitled “Intelligent Healthcare Insurance Data Analytics System For Personalized Coverage Assessment”
<ul style="list-style-type: none"> ● Filed 	01
<ul style="list-style-type: none"> ● List of filed patent(s) 	Granted a UK Patent entitled “AI Based Plant Extract Analysing Device to Identify Disease”
PhD Guidance	NO
<ul style="list-style-type: none"> ● Degree Awarded 	
<ul style="list-style-type: none"> ● Thesis Submitted 	
M.Tech. Guidance	NO
<ul style="list-style-type: none"> ● Degree Awarded 	
<ul style="list-style-type: none"> ● Thesis Submitted 	
Research Project	NO
<ul style="list-style-type: none"> ● List of Research project 	
Consultancy	NO
<ul style="list-style-type: none"> ● List of Consultancy 	
Awards & Honours	
<ul style="list-style-type: none"> ● List of Awards & Honours 	Got Best paper award (“Machine Learning Techniques for Heart Disease Prediction”) in International conference on Innovation, Research and Challenges in Emerging Technologies (IRCET-2021).
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	NO
<ul style="list-style-type: none"> ● International (Abroad) 	
<ul style="list-style-type: none"> ● International (Within Country) 	
<ul style="list-style-type: none"> ● National 	
<ul style="list-style-type: none"> ● List of published papers 	
Organizing National Conference/ International Conference/ FDP/STTP	03 conference 12 FDP

<ul style="list-style-type: none"> List of Conference/FDP/STTP committee 	<ol style="list-style-type: none"> 1. Conference Co-Chair in International Conference on Intelligent Systems: Approaches, Technologies, and Network - 2023 held in PIET, samalkha in Dec 2023. 2. Co-Convenor in International Conference on Applied Science, Engineering & Technology (WCASET-22) held in PIET, samalkha March-2022. 3. Worked as Organizing Committee member in International Conference on Innovation, Research and Challenges in Emerging Technologies held in PIET, samalkha in Nov.,2021.
<p>Social Contributions and Sports</p>	
<ul style="list-style-type: none"> List of Social Contributions and Sports 	