


Name:	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 20px;"> Dr. Mohammad Sartaj </div>  </div>														
Past Experience	<ul style="list-style-type: none"> ▪ Assistant Professor, Imperial College of Engineering & Research, JSPM University, Pune (Mar 2025 – Jun 2025) ▪ Assistant Professor, Sharad Institute of Technology, Kolhapur (Dec 2024 – Feb 2025) ▪ Guest Faculty, Guru Gobind Singh Indraprastha University, Delhi (Aug 2024 – Nov 2024) ▪ Research Scholar (CSIR SRF), Aligarh Muslim University (Apr 2019 – Mar 2022) 														
Current Job	Tenured Faculty														
Department	Electrical Engineering														
Post	Assistant Professor														
Date of Joining	26/06/2025														
Qualification	<ul style="list-style-type: none"> • Ph.D. in Electrical Engineering (Aligarh Muslim University, 2024) • M.Tech. in Power Systems and Drives • B.E. in Electrical Engineering 														
E-mail	mdsartaj@ee.vjti.ac.in														
Area of Research	<ul style="list-style-type: none"> • Electric Drives • Multiphase Electrical Machines • Self-Excited Induction Generators (SEIG) • Sensorless Control (PLL, SOGI) • Power Electronics Multilevel Inverters 														
Subjects Taught	<ul style="list-style-type: none"> • Basic Electrical Engineering • Electric Circuits • Electrical Machines • Electric Drives • Electrical Machine Design • High Performance Electric Drives • Modeling of Electrical Machines 														
Publications	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">Journal Publication</th> <th colspan="2">Conference Publication</th> </tr> <tr> <th>International</th> <th>National</th> <th>International</th> <th>National</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> <td>6</td> <td></td> </tr> </tbody> </table>			Journal Publication		Conference Publication		International	National	International	National	2		6	
Journal Publication		Conference Publication													
International	National	International	National												
2		6													
Guidance															
Workshop Organized															
Conference Organized															
Seminar Organized															
Training Organized															
Workshop Attended	<ul style="list-style-type: none"> • Embedded System Control using Arduino (AMU, 2018) 														

	<ul style="list-style-type: none"> • Power Converter Design with EMC/EMI (IIT Ropar, 2018)
Conference Attended	<ul style="list-style-type: none"> • IEEE UPCON • IEEE STPEC • IEEE PESGRE • IEEE i-PACT • IEEE PIECON • International Conference on Renewable Power
Seminar Attended	Innovation and Research Methodologies (AMU, 2018)
Training Attended	<ul style="list-style-type: none"> • EV Technologies based on Power Electronics and Drives (IIT Delhi, 2019) • DSP for Power Electronic Converters (AMU, 2019) • Solar PV Rooftop Training (2018) • Typhoon HIL Training (2024–2025)
Collaboration/Interaction with the outside world	Established collaborative research network with academicians and researchers from reputed institutions, including Aligarh Muslim University and other engineering institutes, focusing on power electronics, electric drives, and renewable energy systems. Contributions include joint publications, patent development, and participation in IEEE conferences.
Online courses completed	Typhoon HIL Certificate 2.0
Research Proposal Written	
National Conference Attended	
International Conference Attended	6
National Papers Presented	
International Papers Presented	6
Editors of Books	
Chapters Published	
Patent filled	IHX Type 25-Level Electrical Power Inverter (Indian Patent, 2024)
Membership of Professional Body	IEEE
Years of experience	