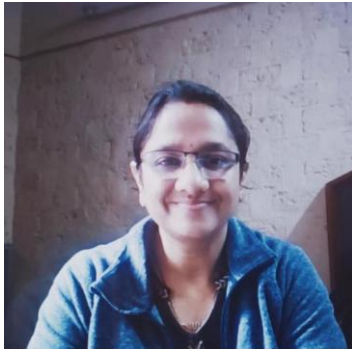


## FACULTY PROFILE

Name of Teaching Staff		Dr. Vani Bhargava				
Designation		Associate Professor				
Department		Electrical & Electronics Engineering				
Date of joining the Institution		28 <sup>th</sup> February 2007				
Date of Birth	25/03/1980	College ID	F062			
Qualifications with Class/Grade		UG (Degree Name) Bachelor of Engineering		PG (Degree Name ) Master of Engineering	PhD	
		Percentage /CGPA <b>76.5% 1<sup>st</sup> Div with Hons.</b>		Percentage /CGPA <b>83% 1<sup>st</sup> Div with Hons.</b>	Awarded	
Total Experience in Years (Should not be repeated)		Teaching (Excluding Research)		Industry	Research	Others
		18				
No. of Papers Published in Journals		<b>National</b>		<b>International</b>		
		3		6		
No. of Papers Published in Conferences		<b>National</b>		<b>International</b>		
		-		25		
Area of Specialization		Power Electronics, Grid Integration of DG, Renewable Energy, Electric Vehicles Charging Infrastructure				
PhD Guide? Give field & University		<b>Field</b>		<b>University</b>		
		-		-		
No. of PhDs/Projects Guided		<b>PhDs Ongoing</b>	<b>PhDs Completed</b>	<b>Projects at Master level (Ongoing)</b>	<b>Projects at Master level (Completed)</b>	
		-	-	1	10	
Research Guidance (Number of Students)						
Books Published/IPRs (Books Details- Title/ISBN/Publisher/Year)						
Projects Carried Out		Ongoing: AI based Design and Development of Power Train for a <b>Low-Cost, Eco-friendly</b> Electric Vehicle driven by Switched Reluctance Motor.				
Courses Taught		<b>Under Graduate</b>		<b>Post Graduate</b>		

	Electrical Machines, Power Electronics, Smart Grid, Special Electrical Machines, Network Analysis and Synthesis, Energy Science & Engineering	Power Converters, Advanced Electric Drives, Smart Grids, Non -Conventional Energy Resources
Patent Published:	<ol style="list-style-type: none"> <li>1. A System and Method for Smart, Solar-Powered Ironing with AI and Blockchain Monitoring. Application No. 202511047976 &amp; <b>Publication Date:30/05/2025.</b></li> <li>2. Smart helmet system. Application No. 202411068283 &amp; <b>Publication Date: 27/09/2024</b></li> <li>3. System for integrating electric vehicles with a power grid. Application No. 202411068279 &amp; <b>Publication Date :27/09/2024.</b></li> </ol>	
Professional Memberships	IEEE, PES, IAS, WIE, PELS	
Grants Fetched / Awards	DSIR Financial Grant for International Conference	
Technology Transfer		