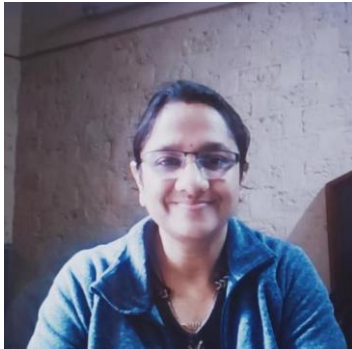


FACULTY PROFILE

Name of Teaching Staff		Dr. Vani Bhargava				
Designation		Associate Professor				
Department		Electrical & Electronics Engineering				
Date of joining the Institution		28 th February 2007				
Date of Birth	25/03/1980	College ID	F062			
Qualifications with Class/Grade		UG Bachelor of Engineering		PG Master of Engineering	PhD Grid Integration of Renewable Energy and its Economics	
		Percentage /CGPA 76.5% 1 st Div with Hons.		Percentage /CGPA 83% 1 st Div with Hons.	Awarded	
Total Experience in Years (Should not be repeated)		Teaching (Excluding Research)		Industry	Research	Others
		19				
No. of Papers Published in Journals		National		International		
		1		5		
No. of Papers Published in Conferences		National		International		
		-		27		
Area of Specialization		Power Electronics, Grid Integration of DG, Renewable Energy, Electric Vehicles Charging Infrastructure				
PhD Guide? Give field & University		Field		University		
		-		-		
No. of PhDs/Projects Guided		PhDs Ongoing	PhDs Completed	Projects at Master level (Ongoing)	Projects at Master level (Completed)	
		-	-	1	10	
Research Guidance (Number of Students)		More than 10 (PG Level)				
Books Published/IPRs (Books Details- Title/ISBN/Publisher/Year)		-				
Projects Carried Out		Ongoing: AI based Design and Development of Power Train for a Low-Cost, Eco-friendly Electric Vehicle driven by Switched Reluctance Motor.				
Courses Taught		Under Graduate		Post Graduate		

	Electrical Machines, Power Electronics, Power System , 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:	1. A System and Method for Smart, Solar-Powered Ironing with AI and Blockchain Monitoring. Application No. 202511047976 & Publication Date:30/05/2025. 2. Smart helmet system. Application No. 202411068283 & Publication Date: 27/09/2024 3. System for integrating electric vehicles with a power grid. Application No. 202411068279 & Publication Date :27/09/2024. 4. Smart electric vehicle charging station systems. Application No. 202611054116, Publication Date: 05/05/2026 5. IoT-based dual-mode firefighting robotic device, Application No. 202511068176, Publication Date: 08/08/2025	
Professional Memberships	IEEE, Power & Energy Society, Industry Application Society, Women in Engineering Affinity Group	
Grants Fetched / Awards	-DSIR Financial Grant for International Conference -AKTU Financial Grant for Conference Funding -UP-CST Project funding	
Professional Roles & Major Institutional Engagements:	- Faculty Co-Ordinator Electric Vehicle Centre of Excellence - Organizing Secretary: International Conference on Advancements & Key Challenges in Green Energy & Computing, AKGEC2023, AKGEC2024, AKGEC2026 - College IQAC team member - Advisor IEEE Power & Energy Society Student Branch Chapter - Advisor Industry Application Society Student Branch Chapter - Advisor IEEE Women in Engineering Student Branch Affinity Group	