

## FACULTY PROFILE

Name of Teaching Staff	Aastha Sharma			
Designation	Assistant Professor			
Department	CSE			
Date of joining the Institution	10 feb 2025			
College ID	F893			
Qualifications	M.Tech.(CSE), B.Tech.(IT)			
Total Experience in Years (Should not be repeated)	<b>Teaching (Excluding Research)</b> 0	<b>Industry</b> 0	<b>Research</b> 0	<b>Others</b> -
No. of Papers Published in Journals	<b>National</b> 0		<b>International</b> 1	
No. of Papers Published in Conferences	<b>National</b> 1		<b>International</b> 10	
Area of Specialization	Machine Learning and Deep Learning			
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>
Research Guidance (Number of Students)				
Books Published/IPRs (Books Details- Title/ISBN/Publisher/Year)	<ol style="list-style-type: none"> <li>1. Agarwal, K., Khare, O., Sharma, A., Prakash, A., &amp; Shukla, A. K. (2024). Artificial Intelligence in a Distributed System of the Future. <i>Decentralized Systems and Distributed Computing</i>, 317-335.</li> <li>2. Sharma, A. (2023). <b>Artificial Intelligence in a Distributed System of the Future</b>, <i>Decentralized Systems and Distributed Computing</i>, CRC Press, Taylor &amp; Francis Group</li> <li>3. Sharma, A., Upadhyay, D., Sharma, S. (2024), Parallel Computing Models and Architecture. Decentralized system and Next Generation Internet, Distributed and Parallel computing: principle, Design, Application, Scrivener, Wiley online Library.</li> </ol>			
Projects Carried Out				
Courses Taught	<b>Under Graduate</b> B.Tech.		<b>Post Graduate</b>	
Patent (Filed/Granted)	<b>Title:</b> A CAPSULE CHIP AND METHOD FOR WORKING <b>Status:</b> Published <b>Application No.:</b> 202311078806  <b>Title:</b> AI-ENABLED SYSTEM FOR MOOD RECOGNITION OF PET ANIMAL" <b>Status:</b> Published			

	<p><b>Application No.:</b> 202311073618</p> <p><b>Title:</b> A SYSTEM AND METHOD FOR DECENTRALIZED CLOUD STORAGE WITH AUTONOMOUS</p> <p><b>Status:</b> Published</p> <p><b>Application No.:</b> 202511036221</p> <p><b>Title:</b> IOT-ENABLED SMART PRECISION AGRICULTURE SYSTEM FOR REAL-TIME CROP HEALTH</p> <p><b>Status:</b> Published</p> <p><b>Application No.:</b> 202511015534A</p> <p><b>Title:</b> MACHINE LEARNING-BASED ADAPTIVE SHELTER FRAMEWORK FOR QUICK SETUP</p> <p><b>Status:</b> Published</p> <p><b>Application No.:</b> 202511042252</p> <p><b>Title:</b> INTEGRATED AIR PURIFICATION DEVICE FOR TWO-WHEELER HELMETS</p> <p><b>Status:</b> Published [GRANTED PATENT]</p> <p><b>Application No.:</b> 6447842</p>
Professional Memberships	IEEE - Membership Number – 99251104, Uttar Pradesh Section
Grants Fetched/ Awards	
Technology Transfer	