

FACULTY PROFILE

Name of Teaching Staff			DR. NITISHA SHRIVASTAVA				
Designation			Assistant Professor				
Department			Electrical and Electronics Engineering				
Date of joining the Institution:			28 th August 2023				
Date of Birth	26/07/1975	College ID	F823				
Qualifications with Class/Grade			UG B.E. (Electrical and Electronics Engineering) Karnatak University	PG M.Tech (Electronics Instrumentation and Control Engineering) U.P. Technical University	PhD Topic: Design and Analysis of fractional order differ-integrators NSIT, Delhi University		
			First class	First class	Completed		
Total Experience in Years (Should not be repeated)			Teaching (Excluding Research)	Industry	Research	Others	
			24		3.5		
No. of Papers Published in Journals			National		International		
			-		06		
No. of Papers Presented in Conferences			National		International		
			-		14		
Area of Specialization			Electronics Instrumentation and Control Engineering				
PhD Guide? Give field & University			Field		University		
			-		-		
No. of PhDs/Projects Guided			PhDs Ongoing	PhDs Completed	Projects at Master level		
			-	-	-		
Research Guidance (Number of Students)			No. of Papers Published in National Journals	No. of Papers Published in National Conferences	No. of Papers Published in International Journals	No. of Papers Published in International Conferences	
			-	-	-	-	
Books Published/IPRs (Books Details- Title/ISBN/Publisher/Year)			-				
Projects Carried Out			-				
Courses Taught			Diploma	Post Diploma	Under Graduate	Post Graduate	Post Graduate Diploma
					Digital Signal Processing, Network Analysis and Synthesis, Sensor and Instrumentation, Control System, Electrical Engineering Programming: Python, LabVIEW, MATLAB, OrCAD Capture PSpice	Advance Signal Processing,	

Patent (Filed/Granted)	1. IOT based polythene separator device from garbage, 2023 (399038-001) 2. Smart shopping cart system with AI-powered Navigation, checkout, and personalized recommendations, 2024 (202411063055) 3. AI-powered electrical concept explanation and circuit analysis assistant with adaptive multi-modal learning system, 2024 (202411081678) 4. A system and a method for wearable fall detection and automated emergency alert, 2025 (202511009639) 5. AI based cloud-integrated IOT system and method for industrial parameter monitoring, fault prediction and automated control, 2026 (202611020917)
Professional Memberships	IETE, IEEE
Grants Fetched / Awards	
Interaction with Professional Institutions	1. Invited Speaker 1. On the topic “Fractional Order Systems and Industrial Control” Springer International Conference on Industrial Internet of Things and Smart Manufacturing, (IoTsm 2018), Imperial College London, London, United Kingdom, 2018. 2. Attended IEEE HardTech Summit 1. Attended IEEE HardTech Summit 2017 hosted by IEEE Region 10 Young Professionals at Universiti Kebangsaan Malasiya, Malasiya on 4th November 2017. 3. MOOCs video lectures on AKTU official website 1. Developed and recorded complete MOOCs modules for the subject – “Control System Engineering”, B. Tech (Electronics & Communication/ Electronics & Instrumentation Engineering) Dr APJ Abdul Kalam Technical University, Lucknow • Sample recording: AKTU Lucknow website: https://youtu.be/45W5NSck_JY, https://youtu.be/x6cSs7jH9kY, https://youtu.be/IDplrTvXCDE 4. NPTEL Top Performing Mentor 1. Recognized as Top Performing Mentor for the NPTEL Online Certification course – Control Engineering, Jan-April 2019. 5. NPTEL Certificate of Appreciation 1. NPTEL Online Certification course • Basic Electric Circuits, Jul-Dec 2019 • Programming, Data Structures and Algorithms using Python, Jul-Sept 2022 • Automatic Control, Jan-April 2024 • Research Methodology, Jul-Sept 2024 • Design Thinking – A Primer, Jan-April, 2026 6. COURSERA Certificate of Appreciation 1. Coursera (Duke University) Online Certification course – Introduction to Machine Learning, April 2021 7. Reviewer 1. International Journals • Journal of Intelligent and Fuzzy Systems – IOS Press • IEEE Transactions on Circuits and Systems II 2. International Conferences • IEEE TENCON 2016, Singapore 2016 • Springer SIGMA 2018, New Delhi, India 2018 • IEEE AKGEC 2024, IEEE AKGEC 2026, Ghaziabad, India
Technology Transfer	