


Title	Mr.	First Name	<b>SANDEEP</b>	Last Name	<b>RANA</b>	
Designation	Assistant Professor					
Dept. Name	Electronics & Communication Engineering					
Address:	ECE Department, G.B. Pant Institute of Engineering & Technology, Pauri Garhwal-246194					
Phone No.	9997059553					
Email	1.srana231@gmail.com			2.		
Web Page (if any)	-----					
Subjects Taught	<p><b>UG Level:</b> Network Analysis and Synthesis, Communication System, Digital Signal Processing, Analog Electronics, Electromagnetic Field Theory, Probability Theory &amp; Stochastic Process, Multimedia Communication</p> <p><b>PG Level:</b> Voice and Data Network, Advance Digital Signal Processing</p>					
Areas of Interest/Specialization	Electronic Circuits for HF and Microwave frequency					
Experience (in years)	Total	07				
	Industry	0.5 year				
	Teaching	6.5 year				
	Research	----				
Educational Qualifications	UG	B.Tech.from Graphic Era University, Dehradun in 2012 with 82.3%				
	PG	M.Tech.from Delhi Technological University, New Delhi in 2014 with 80.5%				
	Doctorate	Pursuing from IIT Roorkee				
	Any other					
Research Publications in Journals	<ol style="list-style-type: none"> <li>1. M. Rani, K.S.Bhatia, H.Singh, H.Kaur, N. Gupta, <b>S.Rana</b>, “Synthesis and analysis of hexagonal ferrite for microwave absorption application in X-band”, Journal of Optoelectronics and Advanced Materials vol. 24, No. 7-8, July – August 2022, p. 402 – 409.</li> <li>2. K. Kumawat, <b>S. Rana</b>, A. Sharma, “Design and Implementation of PID controller for second order plant and comparison of its performance with Fuzzy Logic based Controller”, International Journal of Electronic and Electrical</li> </ol>					

	Engineering (ISSN 0974-2174), Volume7, Number 1, pp.19-24, 2014.		
Papers Published in Conference Proceedings	<p>1. <b>S. Rana</b>, A. K. Kumawat and P. Kumar, “A Universal Current Mode KHN Biquad Filter using Voltage Differencing Current Conveyor,” IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), p.1-5, 2016. DOI: <a href="https://doi.org/10.1109/ICPEICES.2016.7853506">10.1109/ICPEICES.2016.7853506</a></p> <p>2. <b>S. Rana</b>, A. K. Kumawat and P. Kumar, “Dual output Voltage Differencing Buffered Amplifier based Wave Active filter,” IEEE UP Section I International Conference on Electrical Computer and Electronics (UPCON), p.1-6,2015. DOI: <a href="https://doi.org/10.1109/UPCON.2015.7456736">10.1109/UPCON.2015.7456736</a></p>		
Books Authored/Book Volume Chapters	-----None-----		
No. of Conferences	National	Attended	Organized
		None	None
	International	02	02
Research Guidance	Awarded	PG	Doctorate
		None	None
	Undergoing	None	None
Research Projects	Completed	None	
	Undergoing	None	
Awards & Distinctions	Awarded with <b>Best Paper Award</b> for the research paper titled “ <b>Dual output Voltage Differencing Buffered Amplifier based Wave Active filter</b> ,” in IEEE UP Section International Conference on Electrical Computer and Electronics (UPCON-2015) held at Indian Institute of Information Technology Allahabad (IIIT-A), India.		
Administrative Assignments Handled	<ol style="list-style-type: none"> <li>Institute NIRF committee member</li> <li>Student Branch Advisor of IEEE student Branch Chapter.</li> <li>Member of Departmental BOS committee</li> <li>Department GATE committee coordinator</li> <li>Advance Simulation Lab incharge (OiC)</li> <li>Member of various “Josh-2019 (An annual Sport program) Committees</li> </ol>		
Association with Professional Bodies	<ol style="list-style-type: none"> <li>Member of IEEE</li> </ol>		
Any other Achievements	<ul style="list-style-type: none"> <li>Qualified <b>ESE 2018 (Mains) and ESE 2019 (Prelims)</b> conducted by <b>UPSC</b>.</li> <li>Qualified GATE ECE 2018, 2019 with <b>99.4%<sup>ile</sup></b> and <b>99.1%<sup>ile</sup></b> respectively.</li> <li><b>AIR 2</b> in Rajasthan Rajya Vidhyut Utpadan Nigam Limited recruitment exam for Engineer (Control &amp; Instrumentation).</li> <li>Qualified <b>ISRO</b> Scientist/Engineer ‘SC’ 2017 written examination.</li> <li>Qualified <b>UGC NET</b> (for <b>JRF and Assistant Professor</b> both) in <b>Electronic Science</b></li> </ul>		

	held on June 2015.
--	--------------------