

STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Prof	First Name	Anu	Last Name	Venugopalan	
Designation	Professor and Dean					
School /Dept. Name	University School of Basic & Applied Sciences					
Address:						
Phone No.	Office	(011)25302400/40/402/410				
	Residence	(optional)				
	Mobile	(optional)				
Email	anu@ipu.ac.in			anu.venugopalan@gmail.com		
Web Page (if any)	http://www.ipu.ac.in/usbas/ProfAnuVenugopalan.pdf					
Subjects Taught	Physics-I, Physics-II, Physics Lab-I, Physics Lab-II, The Physics of Information Technology, Quantum Information and Computation, Computational Methods with MATLAB, Material Science					
Areas of Interest/ Specialization	Foundations of Quantum Mechanics, Quantum Information, Confined Quantum Systems, Quantum Coherence and Decoherence					
Experience (in years)	Total	26 Years				
	Industry	None				
	Teaching	21 years				
	Research	30 years				
Educational Qualifications	UG	BSc.(Physics, Chemistry Maths)				

	PG	MSc (Physics) University of Roorkee (now IIT Roorkee)
	Doctorate	PhD (Physics) Jawaharlal Nehru University, new delhi
	Any other	Post Doctoral Fellow - TIFR, Mumbai Post Doctoral fellow - PRL. Ahmedabad
Research Publications in Journals (last 5 years)		<p>1. <i>Decoherence and visibility enhancement in multipath interference</i> Sandeep Mishra, Anu Venugopalan, and Tabish Qureshi Phys Rev. A 100, 042122 – Published 28 October 2019</p> <p>2. <i>Comparing coherence measures for X states: Can quantum states be ordered based on quantum coherence?</i> Sandeep Mishra, Kishore Thapliyal, Anirban Pathak & Anu Venugopalan Quantum Information Processing volume 18, Article number: 295 (2019)</p> <p>3. <i>Monitoring decoherence via measurement of quantum coherence</i>, Anu Venugopalan, Sandeep Mishra, Tabish Qureshi, Physica A: Statistical Mechanics and its Applications, 516 (2019) 308-316</p> <p>4. <i>Probing entanglement dynamics via quantum coherence for two strongly interacting particles in a double-well</i>, Sandeep Mishra, Anjana Bagga, Anu Venugopalan, Journal of Physics A: Mathematical and Theoretical, 51(45), 455303 (2018)</p>

Papers Published in Conference Proceedings (last 5 years)	None			
Books Authored/Book Volume Chapters	<p>EDITOR OF BOOK</p> <p>Identities in South Asia: Conflicts and Assertions Eds. Vivek Sachdeva, Queeny Pradhan, Anu Venugopalan, 1st Edition, Routledge India (2019,London,) DOI: https://doi.org/10.4324/9780429031953</p> <p>BOOK CHAPTER Measurement in Quantum Mechanics: Decoherence and the Pointer Basis, Anu Venugopalan, in Measurements in Quantum Mechanics, ed. Mh. Reza Pahlavani, Publisher: InTech, (February 2012,) ISBN 978-953-51-0058-4</p>			
No. of Conferences	National	Attended		Organized
		More than 20		
	International	10 (approx)	1	
Research Guidance	Awarded	PG	M. Phil	Doctorate
		10 (approx)	NA	One
	Undergoing	—	—	—
Research Projects	Completed	One		
	Undergoing	One		
Awards & Distinctions	—			

Administrative Assignments Handled	Dean, University School of Basic & Applied Sciences Chairperson/Member of University level Committees
Association with Professional Bodies	—
Any other Achievements	—