


## STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr.	First Name	Anjana	Last Name	Bagga	
Designation		Assistant Professor				
School /Dept. Name		University School of Basic and Applied Sciences				
Address:		BFR-207, B-block, USBAS				
Phone No.		Office	011-25302404			
		Residence	(optional)			
		Mobile	(optional)			
Email		1. anjana.bagga@ipu.ac.in		2. anjana.bagga@gmail.com		
Web Page (if any)		----				
Subjects Taught		<p><i>B.Tech</i> : Physics I (BA 111), Physics II (BA 110)</p> <p><i>M.Tech</i> : Mathematical Physics (BAEP-601), Statistical Physics (BAEP-607, BAEP-604), Computational Physics Lab (BAEP-652, BAEP-751), Minor and Major projects</p> <p><i>Pre Ph.D course offered</i> : Fundamentals of nanoelectronics, Introduction to MATLAB and Computational methods</p>				
Areas of Interest/Specialization		Mesoscopic condensed matter physics-optical and transport properties of semiconductor nanostructures, nanostructured thermoelectric materials, solar cells				
Experience (in years)		Total	16 years			
		Industry	0 years			
		Teaching	15 years			
		Research	16 years			
Educational Qualifications		UG	Bachelor of Science: Physics, Chemistry, Mathematics; Delhi University			
		PG	Master of Science: Physics; Indian Institute of Technology, Delhi			
		Doctorate	Ph.D Physics Thesis title : Electronic and Optical Properties of III - V Nitride Based Quantum Dots			
		Any other	Postdoctoral fellow :University of Manitoba(2005-2006)			

Research Publications in Journals (last 5 years)	<p>1) Anjali Panwar, Vikas Malik and Anjana Bagga, "Theoretical Investigations Of Interfacial Scattering Effects On Thermoelectric Properties Of Bulk Nanostructured PbTe System", MRS Advances, vol. 3(24) pp. 1329-1334, January 2018.</p> <p>2) Sandeep Mishra, Anjana Bagga, Anu Venugopalan, "Probing entanglement dynamics via quantum coherence for two strongly interacting particles in a double-well", Journal of Physics. A: Mathematical and Theoretical., vol. 51, pp. 455303-455324, October 2018.</p> <p>3) Anjali Panwar, Vikas Malik, S Neeleshwar, Anjana Bagga, "Probing the path for achieving a broad temperature plateau of the figure of merit in thermoelectric nanocomposite materials", Nanotechnology, vol. 31 (3), pp. 035405-035412, October 2019.</p>
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Papers Published in Conference Proceedings (last 5 years)	-----			
Books Authored/Book Volume Chapters	-----			
No. of Conferences	National	Attended		Organized
		2		
	International	3		
Research Guidance	Awarded	PG	M. Phil	Doctorate
		1		
	Undergoing			1
Research Projects	Completed	3 (FRGS)		
	Undergoing			
Awards & Distinctions	GATE, NET(JRF)			
Administrative Assignments Handled	<i>Member of the following Committees :</i> Academic Program Committee (APC), School Research Committee (SRC), Research Advisory Committee(RAC), PhD Admission Committee, M.Tech(EP) Program Committee Member, Admission Committee, Co-organizer of Science day Celebrations, Academic Coordinator of Basic and Applied Sciences Research Scholars (BARS) forum, Maintenance of Computational Lab.			

Association with Professional Bodies	-----
Any other Achievements	-----