



# GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

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आज़ादी का  
अमृत महोत्सव

"A State University established by Govt. of NCT of Delhi"

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OFFICE OF THE DIRECTOR (RESEARCH & DEVELOPMENT CELL)

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L.No. GGSIPU/RDC/2024/2392

Dated: 30.04.2024

**Subject:** List of Vacant slots to be filled under Ph.D Programmes for the academic session 2024-25.

**Ph.D.**

University School of Basic & Applied Sciences

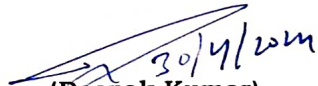
S.No	Name of Recognized Supervisor	Designation	Discipline in which the supervisor has been recognized	Specialization	Number of Slots to be filled in 2024-2025
1	Dr. Anirban Dandapat	Assistant Professor (USAR)	Chemistry	Development of multifunctional nanocomposites for various applications including water/air purification, catalysis, photocatalysis, sensing, water splitting etc.	02
2	Dr. Sushobhan Chowdhury	Assistant Professor (USAR)	Chemistry	Photosynthesis, Electrosynthesis, Catalysis, Synthesis of molecules of therapeutic use	04
3	Dr. Mahesh Chand	Assistant Professor (USAR)	Chemistry	Bio-organic Chemistry, Synthetic Organic Chemistry, Heterocyclic Chemistry, Natural Product Chemistry	04
4	Dr. Pooja Rana	Assistant Professor (USAR)	Chemistry	Synthesis and utilization of Hierarchical nanostructures for organic transformations, photocatalysis, water treatment, fuel generation and CO2 capture.	04
5	Dr. Ritu Aggarwal	Assistant Professor (USAR)	Physics	Experimental high energy physics, Bayesian Analysis of particle data, Machine learning in particle physics.	02
6	Dr. Bhanu Prakash Joshi	Assistant Professor (USAR)	Physics	Experimental condensed matter physics, Spintronics, Low temperature physics, Nanomaterials, Superconductors, semiconductors, Topological materials. Single crystal growth, thin films. Sub-Kelvin electrical transport and magnetisation measurements, E-Beam Lithography upto 20 KeV, Scanning Electron Microscopy, Atomic force microscopy and X-Ray diffraction: Analysis and measurements, Artificial intelligence in the condensed matter physics.	04
7	Dr. Deepak Tripathi	Assistant Professor (USAR)	Physics	Laser Plasma Interaction, Terahertz Radiation, Harmonic Generation, Self Focusing, Fusion Energy and Medical Physics	04

8	Dr. Rubiya Banoo	Assistant Professor (USAR)	Physics	Atmospheric Physics, Atmospheric Aerosols, Measurement of atmospheric parameters, Atmospheric process Modeling, Receptor Models	04
9	Dr. Ruchika Sehgal	Assistant Professor (USAR)	Mathematics	Portfolio Optimization, Data-Driven Robust Portfolio Selection	02
10	Dr. Atti Singh	Assistant Professor (USAR)	Mathematics	Optimal portfolio trading, Portfolio optimization, Execution price dynamics	02
11	Dr. Jyoti	Assistant Professor (USAR)	Mathematics	Mathematical Programming Problem, Optimization Problem, Operation Research	02

  
**(Dr. Zubair Ahmed Khan)**  
 Associate Director (RDC)

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2. Guard File.

  
**(Deepak Kumar)**  
 Section Officer (RDC)