RRI PhD Programme 2024

Student Requirement

SI. No.	Name of the Faculty	Designation	No. of Students on Rolls	Student requirement for 2024						
				Theory	Experiment	Probable area of research				
Astronomy & Astrophysics (A&A) Group: Requirement is 2										
1	Mayuri S Rao	Associate Professor-I	1		1	Instrumentation and Analysis of RF experiments for cosmology				
2	Saurabh Singh	Associate Professor	1		1	Precision Cosmology				
	Light & Matter Physics (LAMP) Group: Requirement is 7									
3	Urbasi Sinha	Professor-I	1		3	Photonic quantum information, quantum computing, quantum imaging and quantum communications				
4	Sadiq A Rangwala	Professor-II	4		1	Ion Trapping with cold neutral atoms, to study ion atom interactions.				
5	Saptarishi Chaudhuri	Associate Professor-II	6		3	Quantum Mixtures				
	Soft Condensed Matter Physics (SCM) Group: Requirement is 11									
6	Arun Roy	Professor-I	1		2	 Electromechanical properties of soft matter Self-organised structure in liquid crystals 				
7	Gautam V. Soni	Associate Professor-II	4		2	 Mechanical nature of biological cells Force measurements in molecular interactions 				
8	Pramod Pullarkat	Professor-I	4		2	 Active & Passive mechanical responses of axons Optical Tweezer studies on biological systems 				

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	Soft Condensed Matter Physics (SCM) Group: Requirement is 11									
9	Ranjini Bandyopadhyay	Professor-II	4		2	Active fluidisation, granular segregation				
10	Sayantan Majumdar	Associate Professor-II	4		1	Shear thickening and jamming in dense suspensions				
11	Rituparno Mondal	Associate Professor-I	0	2		 Exploring the physics of odd granular liquid, made of active frictional spinner at high density Investigating rheological response and aging in a non- reciprocal solid where the underlying pairwise (effective) interactions break Newton's third law 				
		Theoretical I	Physics (TF	P) Group: R	Requirement	is 8				
12	Sanjib Sabhapandit	Professor-II	1	1		Non equilibrium Stat mech and Stochastic Processes				
13	Dibyendu Roy	Associate Professor-II	3	2		Quantum Chaos, Topological Systems				
14	Shovan Dutta	Assistant Professor	0	2		Collective quantum phenomena				
15	Sumati Surya	Professor-II	0	2		Discrete Quantum Gravity				
16	Kartik Prabhu	Associate Professor-II	0	1		QFT and gravity				

Number of Vacant PhD Positions for Admissions-2024 :

GROUP	THEORY	EXPERIMENTAL			
A & A	0	2			
LAMP	0	7			
SCM	2	9			
ТР	8	0			
Total	10	18			
No. of Total Vacancies from both the streams (10+18)					