

List of Projects for PRL's Summer Internship program 2020			
Sr No	Name	Division	Short Title of the Project (one student per faculty will be selected. Multiple project titles does not mean that the concerned faculty will take more than one trainee)
1	Dr. Veeresh Singh	A&A	Study of X-ray emission in Active galaxies
2	Prof. Sachindra Naik	A&A	Accretion Powered X-ray Binary Pulsars
3	Dr. Lokesh Kumar Dewangan	A&A	Observational study of massive star formation
4	Dr. Mudit Srivastava	A&A	Studies of Symbiotic Stellar Systems through Data Analysis
5	Dr. Manash Ranjan Samal	A&A	1) Understanding motion of stars in star clusters with the GAIA mission. 2) Understanding how and where stars form in molecular cloud complexes.
6	Dr. Shashikiran Ganesh	A&A	Some aspects of characterization of near infrared astronomical instrumentation
7	Dr. Rajesh Kushawaha	AMOPH	1. Study the interaction of femtosecond laser pulses with nanoparticle 2. Study of Femtosecond Laser Induced Filamentation
8	Dr. Naveen Chauhan	AMOPH	Fading in single grains of feldspar
9	Prof. B. K. Sahoo	AMOPH	1. Quantum Computation 2. Higher-order isotope shift
10	Dr. Goutam K Samanta	AMOPH	Stability study of an optical parametric oscillator
11	Dr. Neeraj Rastogi	GSDN	Characterization of Atmospheric Aerosols
12	Dr. Amzad Hussain Laskar	GSDN	Temporal variations in the stable water isotopes in some Himalayan and peninsular Indian rivers
13	Dr. Sanjeev Kumar	GSDN	Application of Stable Isotopes in Earth System Science
14	Dr. Arvind Singh	GSDN	Palaeoclimate studies using oxygen isotopes
15	Dr. M.G.Yadava	GSDN	Radiocarbon dating of ground water
16	Dr. Vineet Goswami	GSDN	Application of Inverse Modelling to Earth system processes
17	Dr. A K Sudheer	GSDN	Distribution of Dissolved Rare Earth Elements in Arabian Sea

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18	Dr. Anil Shukla	GSDN	1. Permian-Triassic transition in Kashmir and Spiti Himalaya 2. Micro-Raman spectroscopy of Indian meteorites 3. Geochemical characterization of sediments from Sukar Lake, Kachchh
19	Dr. Ravi Bhushan	GSDN	Radiocarbon dating of Marine microfossils for chronology.
20	Dr. Amitava Guharay	SPASC	Characteristics of the atmospheric tides in the middle atmosphere
21	Dr. Ravindra Pratap Singh	SPASC	1. Understanding Atmospheric waves through observations 2. Physics of airglow
22	Dr. Dr Lokesh Sahu	SPASC	Importance of reactive trace gases in climate change
23	Dr. Narendra Ojha	SPASC	Global atmospheric modeling with focus over India
24	Dr. Som Kumar Sharma	SPASC	1. Atmospheric Cloud Characteristics and their Association with Rainfall 2. Study of Ozone and Atmospheric Water Vapor over Western Indian Region
25	Prof. S. Ramachandran	SPASC	Aerosol Characteristics over Urban Regions
26	Dr. Partha Konar	THEPH	Particle cosmology
27	Prof. Srubabati Goswami	THEPH	Neutrino Oscillation Physics
28	Dr. Ketan Patel	THEPH	Neutrino flavour oscillation using wave packet approach
29	Dr. Satyajit Seth	THEPH	Quarks and Gluons at the Large Hadron Collider
30	Dr. Navinder Singh	THEPH	Drude model of electrical conductivity from Callen--Welton formalism.
31	Prof. Dr. Nandita Srivastava	USO	On the Prediction of Magnetic Field Vectors of Interplanetary Coronal Mass Ejections