



BGSRP-2026 Summer Internship - List of Projects

Sr. No.	Name of the Investigator	Department	Title of the Project problem	Area of the project problem
1	Prof. Suman Kundu	Biological Sciences	Hemoglobins, blood pressure and blood substitutes.	Biotechnology
2.	Prof. Aryamav Pattnaik	Biological Sciences	A High-SEnsitivity NSP3 Reporter Platform for Rapid Screening of Therapeutics Targeting Chikungunya Virus	Molecular Virology
3	Prof. Sandip K Nandi	Chemistry	Role of phosphorylation on structure and function of <i>Mycobacterium tuberculosis</i> Hsp16.3	Biophysical chemistry & Biochemistry
4	Prof. Anjan Chattopadhyay	Chemistry	Quantum Mechanical Studies on the reaction pathways of some biologically important N-oxide systems of Imine	Computational Chemistry
5	Prof. Mainak Banerjee	Chemistry	Mechanochemical C-H bond activation for chalcogenation of heterocycles.	Synthetic methodology (green synthesis)
6	Prof. Mainak Banerjee	Chemistry	Design and synthesis of imidazo-pyridine-based drug scaffolds: their green synthesis and antimicrobial studies	Drug Discovery
7	Prof. Amrita Chatterjee	Chemistry	Development of a Solid-Phase Colorimetric Diagnostic Kit for Urinary Tract Infections	Organic chemistry and sensor development
8	Prof. Saurav Bhattacharya	Chemistry	The Design of Inorganic and Organic Frameworks-based Hybrid Materials for Electrocatalytic Applications	Inorganic and Materials Chemistry
9	Prof. Woormileela Sinha	Chemistry	Modified mesoporous materials for oxidation reactions	Inorganic Chemistry and Bioinorganic Chemistry
10	Prof Rashmi Chauhan	Chemistry	Synthesis and Characterization of Economical Conducting Fibers	Conducting Polymers
11	Prof Rashmi Chauhan	Chemistry	Graphene Functionalized Conducting Polymers for Wearable Devices	Wearable electronics

12	Prof. Prasanta Kumar Das	Physics	Neutrino Oscillation - A pathway to understand Quantum Entanglement	Quantum Mechanics & Astrophysics
13	Prof. Saranya G Nair	Mathematics	Elliptic Curves and Isogenies	Number Theory
14	Prof. Hrishikesh S Sonalikar	Electrical & Electronics Engineering	Fall Detection and Vital Signs Monitoring for Elderly and Patients	Electromagnetics, Radar
15	Prof. Tirtharaj Dash	Computer Science & Information Systems	Investigating Foundation Models for Protein Representation Learning	Computer Science, Biology
16	Prof. Shubhangi Gawli & Prof. Neena Goveas	Computer Science & Information Systems	Computer Science & Information Systems	CS&IS and Bioinformatics
17.	Prof. Arfat Ahmad Sofi	Economics & Finance	Spatial Interactions, Productivity Change, and Structural Dynamics	Spatial Economic Growth
18	Prof. R. L. Manogna	Economics & Finance	Climate change impacts and food security: A study of Asian economies	Food security, climate risk, agricultural innovation.
19	Prof. Mohan Kumar Bera	Humanities & Social Sciences	Study of Water, Sanitation and Hygiene (WASH) access for disabled people in flood affected areas in India	WASH, Disability and Disaster