

Annexure-1

SRIP 2026

S/N	Name of Faculty	Department	SRIP 2026 Project Title	Duration	No of Student	Funds	Qualifications
1	Dr. Rohan Kar	Department of Civil Engineering	Assessment of Coastal Shoreline Dynamics and Future Erosion Risk Using Satellite Remote Sensing and GIS	01 to 02 Months	1	Funded	Pursuing a graduate degree in Civil Engineering/ Remote sensing and GIS or related disciplines
2	Dr. Manoj Choudhuri	Department of Basic Science	Some Aspects of Cryptography	01 to 02 Months	2	Funded	Anyone pursuing/completed a bachelor's or master's degree in sciences or technology
			Some Aspects of Diophantine approximation	01 to 02 Months	2	Funded	Anyone pursuing/completed a bachelor's or master's degree in sciences or technology
			Introduction to Lie groups and Lie algebras	01 to 02 Months	2	Funded	Anyone pursuing/completed a bachelor's or master's degree in sciences or technology
3	Dr. Dharmendra Sadhwani	Department of Electrical and Computer Science Engineering	Role of Approximation Computing in 5G/6G and Beyond Wireless Communication Systems	21/05/2026 to 20/07/2026	1	Funded	Pursuing a graduate degree in Electrical Engineering/Electronics and Communication Engineering
			Identification of energy efficient digital modulation scheme for Wireless Communication Systems	21/05/2026 to 20/07/2026	1	Funded	Pursuing a graduate degree in Electrical Engineering/Electronics and Communication Engineering
			Reconfigurable Intelligent Surfaces in 5G/6G and beyond Communication Technologies	21/05/2026 to 20/07/2026	1	Funded	Pursuing a graduate degree in Electrical Engineering/Electronics and Communication Engineering
4	Dr. Abhishek Rawat	Department of Electrical and Computer Science Engineering	Ground Penetration Radar (GPR)	01 Month	2	One Funded + One Self Finance	Pursuing a graduate degree in Aerospace/ Electronics/Electrical/Instrumentation/Avionics/ Mechanical or related disciplines
			Drone Design	02 Months	4	Two Funded + Two Self Finance	Pursuing a graduate degree in Aerospace/ Electronics/Electrical/Instrumentation/Avionics/ Mechanical or related disciplines
5	Dr. Raghvendra Bhalerao	Department of Electrical and Computer Science Engineering	Intentio-Telo: IoT-Enabled Telerobotic Bone Biopsy System	02 months, may be extended	4	Funded	Pursuing a graduate degree in Electronics/Electrical/Instrumentation/Computer or related disciplines
6	Dr. Sumit Tripathi	Department of Mechanical and Aerospace Engineering	Theoretical and ANSYS-Based Investigation of Core-Annular Floe Behaviour for Complex Fluids in Straight and Curved Pipes	02 Months	1	Funded	Pursuing a graduate degree in Mechanical/Chemical Engineering or related disciplines
			Experimental Investigation of Droplet Impact Dynamics of Complex Fluids for Agrochemical Applications	02 Months	1	Funded	Pursuing a graduate degree in Mechanical/Chemical Engineering or related disciplines
			Development of a Droplet Generation Device for Complex Fluids	02 Months	1	Funded	Pursuing a graduate degree in Mechanical/Chemical Engineering or related disciplines
7	Dr. Rahul Kumar	Department of Electrical and Computer Science Engineering	Modelling and Simulation of High-Efficiency Solar Cells Using TCAD Tools	02 months	1	Funded	Pursuing a graduate degree in Electrical/Electronics or related disciplines
			FPGA Implementation of Approximate Arithmetic Unit for AI Inference	02 months	1	Funded	Pursuing a graduate degree in Electrical/Electronics or related disciplines
8	Dr. Ajit Kumar	Department of Mechanical and Aerospace Engineering	AI-Based Condition Monitoring and Fault Diagnosis of Drone Systems	02 months	1	Funded	Pursuing a graduate degree in Electronics/Electrical/Instrumentation/Avionics/ Mechanical or related disciplines
			Design and Development of Bio-Inspired Ornithopter Drone	02 months	1	Funded	Pursuing a graduate degree in Aerospace/ Electronics/Electrical/Instrumentation/Avionics/ Mechanical or related disciplines
			Development of Robotics and Industrial Automation Laboratory Course	02 months	1	Funded	Pursuing a graduate degree in Electronics/Electrical/Instrumentation/Avionics/ Mechanical or related disciplines
9	Dr. Kamlesh Joshi	Department of Mechanical and Aerospace Engineering	Ultra-Precision Diamond Turning of AZ31B Magnesium Alloy: Effect of Machining Parameters on Surface Roughness	02 months	1	Funded	Pursuing a graduate degree in Mechanical/Aerospace/Materials Engineering or related disciplines
			Molecular Dynamics Simulation of Nano-indentation on Magnesium Using a Diamond Indenter	02 months	1	Funded	Pursuing a graduate degree in Mechanical/Aerospace/Materials Engineering or related disciplines
10	Dr. Ajit Kumar Parwani	Department of Mechanical and Aerospace Engineering	Design and Development of carbon capture unit for diesel engine	02 months	1	Funded	Pursuing/completed graduate degree in Science/Engineering
			Design of IC engine based drones	02 months	1	Funded	Pursuing/completed graduate degree in Mechanical/Aerospace Engineering or related disciplines
			Thermal management system for Battery cooling	02 months	1	Funded	Pursuing/completed graduate degree in Mechanical Engineering or related disciplines
			Thermal comfort modeling in heatwave-prone regions	02 months	1	Funded	Pursuing/completed graduate degree in Mechanical Engineering or related disciplines
			Advanced CFD Design for Combustion Optimization in Hypersonic Scramjet Propulsion	02 months	1	Funded	Pursuing/completed graduate degree in Mechanical/Aerospace Engineering or related disciplines
11	Dr. Ganesh Iyer	Department of Mechanical and Aerospace Engineering	Semi-empirical Molecular Dynamics based reaction modelling of geopolymer concrete for low molarity activators	02 months	1	Funded	BTech (undergoing or completed) in Mechanical Engineering
	Dr. Mahesh Mungule	Department of Civil Engineering					
Total Interns					36		