

SRI VENKATESWARA COLLEGE

UNIVERSITY OF DELHI

SRI VENKATESWARA COLLEGE INTERNSHIP IN RESEARCH & ACADEMICS

(SRIVIPRA)

Last Date of Submission of Preference: **18th June, 2026**

LIST OF SRIVIPRA PROJECTS 2026

SRIVIPRA PROJECT CODE	FACULTY MENTOR(S) & DEPARTMENTS	TITLE OF THE PROJECT	PRE-REQUISITE/ ELIGIBILITY CONDITIONS
SVP-2601	Ram Lal Awasthi (Physics)	Physics applications of ML and QML	Consideration by invitation only.
SVP-2602	Dr. Pragya Gahlot (Chemistry)	Docking of fusion protein (eg. SARS-CoV-2 Spike): DFT Approach to Viral Entry Inhibition	Basic knowledge of computational chemistry software
SVP-2603	Dr. Pooja Gokhale Sinha (Botany) and Dr. Vinita Kapoor (Chemistry)	Analysis and Documentation of Environmental Consciousness in the Vedas: A Study of Thought, Practice, and Climate Relevance	NA
SVP-2604	Dr. Shikha Gulati (Chemistry) and Dr. Laishram Saya Devi (Chemistry)	Synthesis and Multifunctional Applications of MOF-Based Nanoplatfoms for Environmental Remediation and Healthcare Applications	NA
SVP-2605	Dr Pooja Sharma (English)	Pan-Indian Folk Continuities: Shared Motifs in Regional Traditions	NA
SVP-2606	Dr. Rahul (Electronics)	AI-Based Deepfake Detection System Using Vision Transformers	Python programming & Basic Machine Learning
SVP-2607	Prof. Nandita Narayanasamy (Biochemistry) and Dr Aditi Chajjar (Botany)	Isolation and characterization of endophytes from steam distilled aqueous extracts of peppermint, cumin, turmeric and caraway as a possible therapy for IBS	Studying any LifeScience course

SVP-2608	Dr. Amrita Sharma (English)	Digital Humanities and Text Mining: Analyzing Algorithmic Interpretations of Literature	NA
SVP-2609	Dr. Hina Yadav (Electronics)	Agentic AI for Personalized Student Learning	Good Hands-on Experience on 1. Python tools, Libraries 2. Machine Learning tools 3. Basic AI tools
SVP-2610	Dr. K. Murali Mohan Achari (Chemistry) and Prof. Sharda Pasricha (Chemistry)	Advances in the Synthesis of Biologically Active Heterocycles	Knowledge in "Name reactions" and "Mechanistic Approaches in Organic Chemistry"
SVP-2611	Prof. Ram Kishore Yadav (Hindi)	Rajyogi Bharthari me Chitrit Jeewan	NA
SVP-2612	Dr. P. Devaki (Mathematics)	Fluid flows in a tube/ channel	Knowledge in solving differential equations
SVP-2613	Dr. Pooja (Chemistry)	Exploration of Antioxidant Activity in Synthesized Heterocyclic Compounds through Multiple Radical Scavenging Assays	Botany, Chemistry, Biochemistry or Biological Science students required
SVP-2614	Prof. Vartika Mathur (Zoology)	To identify and compare microbial isolates using morphological and biochemical characterization	Basic understanding of the relevant subject area and willingness to learn research techniques. Good communication skills and sincere interest in academic/research work. Ability to work in a team and follow project guidelines.
SVP-2615	Dr. Ravindra Varma Polisetty (Biochemistry)	A review of microRNAs in Glioblastoma Stem cells	NA
SVP-2616	Dr. Sindhu Mani Bag (Commerce)	Insolvency & Bankruptcy Code 2016: Its Impact in Capital Market	NA
SVP-2617	Dr. Abhishek Malhotra (Economics)	Assessing Waste Economics to Develop Sustainable Trail Tourism in Himachal Pradesh	Basic understanding of Public Finance
SVP-2618	Prof. Anant Pandey (Physics)	Simulation based radiation dosimetry	Physics Hons. students
SVP-2619	Dr. Nimisha Sinha (Biochemistry) and Dr. Vandana Malhotra (Biochemistry)	In vitro validation and evaluation of computationally identified efflux pump inhibitors for inhibition of biofilm formation in Mycobacterium smegmatis	Students should be aware of basic biology with information about some advanced concepts in microbiology, molecular biology
SVP-2620	Dr Hari Singh (Electronics)	Design and Simulation of Wearable Antenna for Biomedical and Health Monitoring Applications.	NA

SVP-2621	Dr. Meena Bisht (Chemistry)	Capture and conversion of carbon dioxide using alternative green solvents	NA
SVP-2622	Dr. Jitendra Veer Kalra (Hindi) and Dr. Ravindra Kumar Upadhyay (Chemistry)	इक्कीसवीं शती के हिन्दी सिनेमा में सामाजिक - सांस्कृतिक मूल्य-बोध	NA
SVP-2623	Dr. Satheesh Perumalla (Sociology)	Occupational Castes in Transition: Commercialisation and Corporatisation Across Indian States	Students should have proficiency to read and write in English language.
SVP-2624	Mr. D. Brahma Reddy (Economics)	Survey of Literature on Subsidies	NA
SVP-2625	Dr. Urmi Bhattacharyya (Sociology)	Reading Belongingness, Emotion and Mobility in Urban Spaces	Preferably students from social sciences and humanities, with basic knowledge about pertinent theoretical perspectives and research methodology.
SVP-2626	Dr. Rakhi Narang (Electronics)	Emerging materials for energy storage and harvesting applications	Basic Knowledge of Semiconductor material Physics
SVP-2627	Dr. S. Krishnakumar (Economics) and Dr. Rakhi Narang (Electronics)	Technology and Economics: Data and AI in the Contemporary World	NA
SVP-2628	Prof. Nandita Narayanasamy (Biochemistry) and Dr. Nimisha Sinha (Biochemistry)	Purification and Characterization of Pectate Lyase Allergens from Morus alba(pollen) and Cicer arietinum (chickpea grain)	Studying in any Life Science course
SVP-2629	Dr. P. Jayaraj (Zoology)	Development of Cost-Effective Chick Chorioallantoic Membrane (CAM) Assay Model for studying Ocular carcinomas and Evaluation of MUC1 expression	Students of B.Sc Zoology/ Biochemistry/ Biological Science/ Life Sciences
SVP-2630	Dr. Amit Kumar (Mathematics)	Exploring Solitons in Nonlinear Science	Students having basic knowledge of ordinary and partial differential equations, calculus, and programming/mathematical computation are encouraged to apply. An interest in nonlinear dynamics, wave phenomena, and mathematical modeling will be beneficial.
SVP-2631	Dr. Jitendra Veer Kalra (Hindi) and Dr. Arun Kumar Bhardwaj (Hindi)	भारत - विभाजन की विभीषिका और हिन्दी साहित्य में उसकी अभिव्यक्ति	NA

SVP-2632	Dr Hina Yadav (Electronics)	AI-Assisted Intelligent Antenna Design and Beam-Management for Next-Generation 5G/6G Wireless Networks: A Machine-Learning Driven Approach Aligned with India's National AI Mission	Students should have: 1. Basic knowledge of Electromagnetic Theory 2. Excellent knowledge of Python Libraries 3. Foundation of Machine Learning and Artificial Intelligence Tools
SVP-2633	Dr. Thoti Vasantha (Chemistry)	Bridging Porosity and Responsiveness: A Study of Phase Transitions in MOF–Thermoresponsive Polymer Assemblies	Student/s should have theoretical knowledge in: 1. Characterization techniques such as Dynamic Light Scattering (DLS), Scanning Electron Microscopy (SEM), Transmission Electron Microscopy (TEM), XRD etc. 2. Metal Organic Frameworks (MOF's) and their recent studies
SVP-2634	Dr. Pamil Tayal (Botany)	A Comprehensive Nutritional Audit and Demographic Health Risk Assessment of Packaged Beverages in Delhi NCR	NA
SVP-2635	Dr. Harshvardhan Meena (Chemistry); Dr. Neelam Kumari (Chemistry) and Dr. Nagendra Kumar Kalaparathi (Statistics)	Next Generation Wearable Nanobiosensors Based on MXenes and Laser Induced Graphene for Real Time Health Monitoring and Disease Detection	NA
SVP-2636	Prof. Om Prakash (Zoology) and Dr. Preeti Khandelwal (Zoology)	Strengthening fish immunity against disease caused by Aeromonas hydrophila through feed fortification.	Life Sciences only
SVP-2637	Dr. Chetan (Statistics) and Dr. Namita Pandey (Political Science)	Environmental Effect and Socio-Economic Status: An Impact Analysis with Gender Perspective among the Jaunsari Tribe of the Garhwal Hills	NA
SVP-2638	Dr. Manoj Thakur (Botany)	Biochemical characterisation of the YbjD protein of Escherichia coli	NA
SVP-2639	Dr. Padma Priyadarshini (Sociology) and Dr. Shruti Mathur (Commerce)	Beauty, Entertainment and Food Influencers in India's Gig Economy: Marketing Strategy, Illusionary Relationships and the Shaping of Consumer Culture	NA

SVP-2640	Dr. Laishram Saya Devi (Chemistry)	Biopolymer-Assisted Nanohybrid Platforms for Sustainable Wastewater Remediation	NA
SVP-2641	Ms. Angel Josy Lakra (Commerce)	Surviving the Margins: A Grounded Theory of Legitimacy, Stigma, and Boundary work	Students must be ready to travel for field interviews and good communication skills.
SVP-2642	Mohini Yadav (Commerce)	Impact of AI-assisted Learning Tools on Self-Regulated Learning and Academic Performance among Undergraduate Students	NA
SVP-2643	Dr Sarika Yadav (Biochemistry)	Assessing the correlation between lifestyle related factors and nutritional deficiency in young adults	Basic knowledge of biology
SVP-2644	Dr. Sumit Raj (Zoology) and Dr. Jamakala Obaiah (Zoology)	AI based Drug Designing: In silico identification of Potential Inhibitors by Protein Ligand Docking and Simulation	NA

While filling the form, kindly note that you can select your preferences for a maximum of two projects, which can be from your own department or any other department.



(Dr. Rakhi Narang)



(Dr. Urmi Bhattacharyya)

Convenors

SRIVIPRA 2026