



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

Sri Venkateswara College
(University of Delhi)

NAAC Grade A+

IQAC

SRIVIPRA 2023

Date: 18.06.24

The bonafide students of Sri Venkateswara College who are interested in pursuing the SRIVIPRA Internship Programme are required to go through the circulated flyer regarding SRIVIPRA 2024 and the list of projects given below. The students shall then fill in the Google form link: <https://forms.gle/XUhiYPHd1sVwSZpj9> on or before 25th June 2024. While filling the form, students can select their preferences for a maximum of two projects, which can be from their own department or any other department. The final project wise list of allocated students shall be displayed on 29th June 2024.

(Dr. Haokam Vaiphei)

(Dr. P. Jayaraj)

Conveners
SRIVIPRA 2024

SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI
SRI VENKATESWARA COLLEGE INTERNSHIP IN RESEARCH & ACADEMICS
(SRIVIPRA)

List of Projects 2024
Last Date of Submission of Preference: 25th June 2024

SRIVIPRA CODE	FACULTY MENTOR	DEPARTMENT	TITLE OF THE PROJECT
SVP-2401	Dr. K. Murali Mohan Achari	Chemistry	In silico Molecular Docking studies of Selective Heterocycles
SVP-2402	Dr. Rahul	Electronics	Artificial Intelligence and Machine learning- Driven Real Time Power Quality Fault Detection System
SVP-2403	Dr. Ram Kishore Yadav	Hindi	लोक साहित्य के विविध रूप
SVP-2404	Dr. P. Devaki	Mathematics	Fluid flows
SVP-2405	Dr. Manvi Singh	English	Navigating Caste, Religion, and Dissent in the Indian Context
SVP-2406	Dr. Shikha Gulati	Chemistry	Cutting-Edge Progress in Nanosensors: Enhancing Environmental and Health Monitoring
SVP-2407	Dr. T. Vasantha	Chemistry	Protein folding studies by biophysical techniques
SVP-2408	Dr. Amarjeet Singh & Dr. P. Jayaraj	Zoology	Comparative studies of whole mount staining of bones and cartilage of selected bony fishes
SVP-2409	Ms. Laishram Saya Devi	Chemistry	Polyacrylates based Nanomaterials as Promising Candidates for Biomedical Applications
SVP-2410	Prof. Anant Pandey	Physics	Synthesis of radiation dosimeters
SVP-2411	Prof. Vartika Mathur	Zoology	Comparison of endophytes following the application of fertilizers or pesticides in agricultural plants
SVP-2412	Dr. Nandita Narayanasamy	Biochemistry	Assessment of Biological efficacy of polyherbal formulation versus single herb extracts against allergic rhinitis.
SVP-2413	Dr. Y. Veera Manohara Reddy	Chemistry	Next Generation of Nanobiosensors
SVP-2414	Dr. Ravindra Varma Polisetty & Dr. Nimisha Sinha	Biochemistry	MicroRNA data analysis in Glioblastoma tumors
SVP-2415	Prof. Veena Budhraj	Statistics	Impact of Climate Change on Cropping Patterns and Crop

			Production in India: A District level Analysis
SVP-2416	Dr. Main Pal & Dr. Pankaj Kushwaha	Physics & Department of Physical Sciences (ISSER, Mohali)	Characteristics of Accreting Sources in the Universe
SVP-2417	Dr. Narender Kumar	Physics	1) Developing a code using Particle-in-cell simulations to understand the intense laser-plasma interactions. 2) Co-propagation of different profile of laser beams in a plasma and Nonlinear channel formation / self-focusing. 3) Terahertz radiation generation by Nonlinear mixing of 2 lasers in a plasma channel in the presence of a density ripple. 4) Terahertz radiation generation by Nonlinear mixing of 2 lasers in n-InSb semiconductor in the presence of magnetic field.
SVP-2418	Dr. Amrita Singh	Botany	Exploring the Diversity and Distribution of Phytoplasma (a phytopathogenic mollicute affecting diverse plant species) associated diseases causing significant yield losses globally
SVP-2419	Dr. Chandra Sekhar	Chemistry	Pyridine-Based Donor Dye in Dye Sensitized SolarCells
SVP-2420	Dr. Pooja Sharma	English	Digital meets Folk: Impact on Folklife and Narratives
SVP-2421	Dr. Amit Kumar	Mathematics	Exploring Nonlinear PDEs: Analytical Solutions and Mathematical Techniques
SVP-2422	Mr. Ajit Singh	Commerce	Topics: 1. Neuromarketing Strategies to Assess Advertising Impact on Consumer Buying Behavior in the FMCG Sector 2. Neuromarketing Techniques for Evaluating the Influence of Advertising on Consumer Purchasing Decisions in the FMCG Sector
SVP-2423	Dr. P. Jayaraj	Zoology	Understanding Ocular Carcinoma Using the CAM Assay
SVP-2424	Dr. Rangarajan T. M.	Chemistry	In Silico Investigation of Novel Molecules on various targets of Plasmodium falciparum

SVP-2425	Dr. Sudhakar Yadav	Mathematics	Mathematical modelling and their application in biomathematics
SVP-2426	Dr. Neelam Kumari	Chemistry	Rasayana: Exploring the Chemical Heritage of India
SVP-2427	Dr. Pooja	Chemistry	Investigating the Neuro-Enzyme Targeting Abilities of Small Heterocyclic Compounds: A Novel Approach to Neurodegenerative Disease Treatment
SVP-2428	Dr. Anuj Kumar	Mathematics	Green Supply Chain Systems Under Certain Conditions
SVP-2429	Dr. Nimisha Sinha & Dr. Vandana Malhotra	Biochemistry	Identification of potential inhibitors against the PPE/PE family of Mycobacterial proteins using in silico approach
SVP-2430	Dr. Amrita Sharma	English	Tracing the Cultural Histories: Exploring Creativity through Real Life Narratives
SVP-2431	Dr. Hina Yadav	Electronics	Develop an AI chatbot based on data science and natural language processing
SVP-2432	Prof. Sharda Pasricha	Chemistry	Desymmetrization Strategies in Organic Synthesis
SVP-2433	Dr. Krishnakumar S	Economics	Global Banking in the First Quarter of the Current Century
SVP-2434	Dr. Muthabathula Prajna	Botany	Study on Plant Parasitic Nematode-responsive defence genes
SVP-2435	Dr. Pamil Tayal & Dr. Aditi kothari Chhajer	Botany	Nanotechnology for fungal pathogen management
SVP-2436	Dr. Guduru Krishna Kumar	Botany	Endophyte-Mediated Abiotic Stress Tolerance in Plants: A Sustainable Way for Crop Improvement
SVP-2437	Dr. Shantanu Mandal	Botany	A crosstalk between plant hormone and mycorrhization for the amelioration of biotic stress in plants.
SVP-2438	Dr. Sukrat Sinha	Zoology	An attempt to elucidate emerging pathogens
SVP-2439	Dr. Pragya Gahlot & Dr. Rekha Yadav	Chemistry	Experimental and theoretical study of functionalized nano zeolite for their catalytic applications
SVP-2440	Dr. C. Sreenivasa Reddy	Zoology	Production of chelated minerals through Lactobacillus
SVP-2441	Dr. Rakhi Narang	Electronics	Design and Analysis of a 3D Printer.

SVP-2442	Dr. Hari Singh	Electronics	Study and Design of Bio Sensor
SVP-2443	Sidhartha Taritla & Dr. Nandita Narayanasamy	Biochemistry	Drosophila as a model organism to study the effects of starvation.
SVP-2444	Dr. Shefali Shukla	Chemistry	Supramolecular Innovations: Unveiling Their Advantages in Disease Treatment
SVP-2445	Dr. Madhu Raina	Botany	Cytological study of some angiospermic species
SVP-2446	Dr. Nish Bohra	Mathematics	Exploring some Special functions in the field of Complex Analysis
SVP-2447	Dr. Sheebani Goswami	Economics	Sutras of Wealth, Price and Taxes: Economic Wisdom from Ancient India
SVP-2448	Dr. Sindhu Mani Bag	Commerce	Insolvency & Bankruptcy Code 2016: Its Impact on Capital Market.
SVP-2449	Dr. Vinita Kapoor & Dr. Rakhi Narang	Chemistry & Electronics	Computational Studies on some organic and inorganic compounds for photo-voltaic applications
SVP-2450	Dr. Pooja Gokhale & Dr. Vinita Kapoor	Botany & Chemistry	QSAR studies on medicinally important plant-based metabolites
SVP-2451	Dr. Sarika Yadav	Biochemistry	Salivary Amylase as biomarker for sleep debt
SVP-2452	Dr. Tarakeswara Rao Kaviti	Electronics	Air pollution prediction with AI and ML: a case study of Indian cities
SVP-2453	Dr. Tarakeswara Rao Kaviti & Dr. Ravindra Varma Polisetty	Electronics & Biochemistry	Emerging trend in data analytics: a literature review
SVP-2454	Dr. Anjali S. Nawani & Dr. Amarjeet	Zoology	Microplastic effects on reproductive health
SVP-2455	Dr. Satheesh Perumalla	Sociology	Understanding changed livelihood patterns with tourism hot spots.
SVP-2456	Dr. Dipika	Statistics	Health issues between migrant and non - migrant students of Delhi: A comparative study
SVP-2457	Dr. Haokam Vaiphei	Political Science	The Politics of India-Myanmar Border Fencing
SVP-2458	Dr. Sumit Raj	Zoology	Drug Designing: In silico identification and docking of ligands with target proteins
SVP-2459	Dr. Devendra Malapati & Mr. Yogesh Malhotra	Commerce & Economics	Impact of Bankruptcy and Insolvency Code on Economical Performance of banks in India: An Empirical Study

SVP-2460	Prof. Lalita Josyula & Dr. Nandita Narayanasamy	Electronics & Biochemistry	Prevalence of food and pollen allergies in Southeast Asia: A meta-analysis study
SVP-2461	Prof. Lalita Josyula	Electronics	A Review on Properties & Technology of Gallium Oxide as a promising Semiconductor for Robust Applications
SVP-2462	Dr. Abhishek Malhotra	Economics	Studying the impact of infrastructure development on the country's economic activity (GDP)
SVP-2463	Dr. Robin Suyesh	Environmental Sciences	Anurans: Breeding Biology and Communication
SVP-2464	Dr. Ram Lal Awasthi	Physics	Computation of certain processes in Particle Physics



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