

IQAC
SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)

introduces

SRI-VIPRA

Venkateswara Internship Program for
Research in Academics (VIPRA)

AN UNDERGRADUATE SUMMER
INTERNSHIP PROGRAM
in June -July 2019

PLAN YOUR PATH THE RIGHT WAY

Research Areas

Robotics

Heritage Walks

Photography

Proteomics

Plant Microbe Interactions

Tuberculosis

Computational Biology

2-3 weeks of internships under faculty mentors .

Open to all undergraduate students.

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Apply by May 25,2019

Contact : Dr. Ravindra Varma Polisetty

**SRI –VENKATESWARA INTERNSHIP PROGRAM
FOR RESEARCH IN ACADEMICS
(SRI-VIPRA 2019)**

Preface

Sri Venkateswara Internship Program for Research in Academics (SRI-VIPRA) is a summer research-training program initiated by Internal Quality Assurance Cell (IQAC) of Sri Venkateswara College in the year 2019. The main goal of this program is to encourage undergraduate students towards research. The main goal of SRI-VIPRA is to make students to think critically, design experiments and come out with innovative solutions useful for society.

Several research projects are going on in various disciplines that are funded by government funding agencies like Department of Biotechnology (DBT), Department of Science and Technology (DST) and Science and Engineering Research Board (SERB). Sri Venkateswara College is one of the recognized colleges in the country with DBT Star status. Availability of competent human resource and infrastructure support has facilitated the genesis of SRI-VIPRA. Under SRI-VIPRA Program, students are given an opportunity to work under a chosen faculty mentor during summers or break period. Supervised guidance is provided to students in all disciplines of Sciences, Humanities and Commerce. Multidisciplinary projects are encouraged to provide skill set beyond the core strength of the individual students. The students are encouraged to submit a report of their findings and upon successful completion of the SRI-VIPRA program and subsequently students receive a certificate of completion from the College. The information about the projects under SRI-VIPRA for the session June 2019 - August 2019 is provided in this report.



Dr. Ravindra Varma Polisetty
Coordinator
SRI-VIPRA 2019



Dr. N. Latha
Coordinator, IQAC

Dated : 24-11-2019

List of mentors and students participants in SRI-VIPRA 2019 (June 2019-August 2019)

S.No	Name of the Mentor	Department	Project Title	Name of the student	Course Name
1	Dr. Anant Pandey	Physics	A Study on the Properties of Thermoluminescent Materials	Mrunmoy Jena	B.Sc. (Hons) Physics
				Shriya Agarwal	B.Sc. (Hons) Physics
				Rochi Sharma	B.Sc. (Hons) Physics
2	Dr. Abhishek Chandra	Environmental Sciences	Carbon Sequestration Potential of Trees & Soil in Delhi ecosystem	Krishnapriya Nair	B.Sc. (Hons) Biochemistry
				Suminder Kaur	B.Sc. Life Science
				Ruchi Kumari	B.Sc. Life Science
3	Dr. Amit Vashista	Botany	Molecular characterization of bacterial endosymbionts of oriental fruit fly, <i>Bactrocera dorsalis</i>	Sajid Khan	B.Sc (Hons) Botany
				Rinki Baisoya	B.Sc (Hons) Botany
4	Dr. N Latha	Biochemistry	In silico study of Dengue virus proteins	Sushmita Sahoo	B.Sc. (Hons) Biochemistry
5	Dr. Manoj Giri	Physics	Protein-dye spectroscopic studies	Jassika Gupta	B.Sc. (Hons) Zoology
				Aakash Verma	B.Sc. (Hons) Physics
				Sejal Chandna	B.Sc. (Hons) Physics
6	Dr. Nandita Narayansamy	Biochemistry	Standardization of antioxidant, anti-inflammatory and anti-bacterial assays to assess polyherbal formulation as a mode of treatment for allergic rhinitis	Chhavi Dua	B.Sc. (Hons) Biochemistry
				Manjulika Bharti	B.Sc. (Hons) Biochemistry
				Ayushi Kumari	B.Sc. (Hons) Biochemistry
				Kumari Akanksha	B.Sc. (Hons) Biochemistry
7	Dr. Nimisha Sinha	Biochemistry	To study geotactic and phototactic behavioral responses of <i>Drosophila melanogaster</i> against different stimuli and their interpretation	Nishanthi Ramesh	B.Sc. (Hons) Biochemistry
				Sonal Gupta	B.Sc. (Hons) Biochemistry

8	Dr. Om Prakash	Zoology	Fish Immunology	Vaibhav Sharma	B.Sc. (Hons) Zoology
				Amit Bhatt	B.Sc. (Hons) Zoology
				Shivam, Sahil	B.Sc. (Hons) Zoology
				Abhilasha Singh	B.Sc. (Hons) Zoology
9	Dr. Pooja Ghokhale	Botany	Soil Organic Carbon Potential of Sri Venkateswara College campus	Renuka	B.Sc. (Hons) Botany
				Arti Dandriyal	B.Sc. (Hons) Botany
				Ashlesha Manta	B.Sc. (Hons) Botany
10	Dr. Rakhi Narang	Electronics	Simulation based investigation of nanoscale MOSFET	Sumedha Singh	B.Sc. (Hons) Electronics
				Mukul Basu	B.Sc. (Hons) Electronics
11	Dr. Ravindra Varma Polisetty	Biochemistry	Analysis of human plasma protein sample using polyacrylamide gel electrophoresis	Kartikey Saxena	B.Sc. (Hons) Zoology
				Vani Srinivasan	B.Sc. (Hons) Biological Sciences
12	Dr. Richa Misra	Zoology	Exploring microbiome: integrating concept in microbial diversity, bioinformatics and physiology	Priyanshi Sharma	B.Sc. (Hons) Biological Sciences
13	Dr. Robin Suyesh	Environmental Sciences	Habitat Partitioning and Ecology of the sympatric amphibians of Delhi-NCR	Anand Bedgujar	B.Sc Life Sciences
				Bhawna Yadav	B.Sc. (Hons) Zoology
14	Dr. Vandana Malhotra	Biochemistry	Molecular Biology of Mycobacterium tuberculosis	Atal Vats	B.Sc. (Hons) Biochemistry
				Gantavya	B.Sc. (Hons) Biochemistry
15	Dr. Varthika Mathur	Zoology	Endophyte extraction	Arsha Liz M Jos	B.Sc. (Hons) Zoology