



SRI VENKATESWARA COLLEGE

University of Delhi

NAAC Accredited "A" Grade (2016), DBT Star College Status (2016)

NIRF Rank # 14 (2020), NIRF #11(2021)

Benito Juarez Road
Dhaura Kuan, New Delhi -110021
Phone: 91 11-24118590
Fax: 911124118535
Webpage: www.svc.ac.in
Email: principal@svc.ac.in

DVV CLARIFICATION

CRITERIA 1

1.3.3 Percentage of students undertaking project work/ field work/ internship (Data for the latest completed academic year)

1.3.3.1 Number of students undertaking project work/ field work/ internship

HEI Input:

672

Findings of DVV

- 1) Provide list of students undertaking the field project/ internship program-wise in the last completed academic year along with the details of title, place of work, etc.
- 2) Provide internship completion certificate/ project work completion certificate from the organization where internship/ project was completed along with the duration.

C. Shula Liddy

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- 3) Provide report of the field visit/ permission letter from the competent authority.

Response of HEI

- 1) List of the students undertaking the project work along with the title during the last academic year has been signed and uploaded

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

Project Report of 2021-22: SVP-2102

Climate Change: Socio-economic Analysis of Individual Carbon Footprint



**IQAC
Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi –110021**

C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**



SRIVIPRA PROJECT 2021

Title: "Climate Change: Socio-economic Analysis of individual Carbon footprint"

Mentors:

Dr. Pooja Gokhale Sinha <i>Assistant Professor</i> <i>Department of Botany</i>	
Dr. Pooja Jain <i>Assistant Professor</i> <i>Department of Commerce</i>	

List of students under the SRIVIPRA Project

S. No	Name of the student	Course	Photo
1.	Aarushi Jugran	B. Sc. (H) Mathematics	
2.	Gargi Virmani	B. Sc. (H) Mathematics	

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2

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3.	Govind Goyal	B. Com.(H)	
4.	Harshita Bhati	B. Sc. (H) Botany	
5.	Hrithik Bhatt	B. Com.(H)	
6.	Minal	B. Sc. (H) Botany	
7.	Navya Simran Chhabra	B. Com.(H)	
8.	Neha Gupta	B. A.(H) Economics	

Signature of Mentors



Pooja Jain

C. Sheela Reddy

Dr. Pooja Gokhale Sinha


Dr. Pooja Jain

Certificate

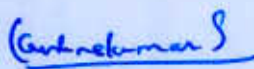
This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2102 titled "**Climate Change: Socio-economic Analysis of individual Carbon Footprint**". The participants have carried out the research project work under our guidance and supervision from 1st July 2021 to 28th August 2021. The work carried out is original and carried out in an online mode.



Dr. Pooja Gokhale Sinha



Dr. Pooja Jain



Coordinators



Principal



4

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**SRI VENKATESWARA INTERNSHIP PROGRAM
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Project Report of 2021: SVP-2103

**“Social Media Marketing:
Prospects for New Businesses”**




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University of Delhi
Dhaura Kuan
New Delhi -110021

Name of Mentor: Dr. Neha Singhal Name of Department: Commerce Designation: Assistant Professor	
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SRI-VIPRA PROJECT 2021

Title: Social Media Marketing: Prospects for New Businesses

List of students under the SRI-VIPRA Project

S.No	Name of the student	Course	Photo
I	Ananya Chawla	B. Com Honours	

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2	Anisha Bansal	B. Com Honours	
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3	Guncha Sachdeva	B. Com Honours	
4	Isha Sah	BA(Hons) Economics	
5	Manan Bajaj	B. Com Programme	

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6	Pratap Manavendra Singh	B. Com Programme	
7	Mehak Jain	B. Com Honours	
8	Nadia Samad	B. Com Honours	
9	Narayan Sharma	B. Com Honours	

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10	Shreya Katiyar	B. Com Honours	
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Neha Singhal

Signature of Mentor

CERTIFICATE

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2103 titled “**Social Media Marketing: Prospects for New Businesses**”. The participants have carried out the research project work under my guidance and supervision from **1st July 2021** to **20th August 2021**. The work carried out is original and carried out in an online mode.

Neha Singhal

Signature of Mentor

C. Sheela Reddy

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

Project Report -2021

**“A comparative analysis of the values and attitudes of
Generation X and Generation Y in India”**



Sri Venkateswara College

University of Delhi

Dhaura Kuan


New Delhi -110021

C. Sheila Reddy

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SRIVIPRA PROJECT 2021

Title : A comparative analysis of the values and attitudes of Generation X and Generation Y in India

<p>Name of Mentor: Dr. Arpita Kaul</p> <p>Name of Department: Commerce</p> <p>Designation: Assistant Professor</p>	
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List of students under the SRIVIPRA Project

S. No.	Name	Course	Photo
1.	Ankit Satija	B.Com (Hons.)	
2.	Arushi Gupta	B.Com (Prog.)	

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Dhaura Kuan, New Delhi, 20001

3.	Bhavyaa Aggarwal	Bsc. Life Sciences	
4.	Chhavi Kapoor	B.Com (Hons.)	
5.	Harsh Gupta	B.Com (Hons.)	
6.	Jayati Gupta	B.A. (Prog.)	
7.	Kamika Pagaria	B.Com (Hons.)	

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Sri...

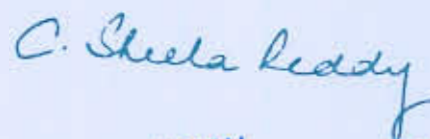
8.	Pooja Jhamb	B.Com (Hons.)	
9.	Swasti Mishra	B.Com (Hons.)	
10.	Vanshika Kalra	B.Com (Prog.)	

Signature of Coordinator

SRIVIPRA 2021



Signature of Mentor



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SRI VENKATESWARA INTERNSHIP PROGRAM
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(SRI-VIPRA)

Project Report of 2021: SVP-2104

“Performance Evaluation of Mutual Funds during
COVID Crisis”



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Kuan
New Delhi -110021

1 *C. Sheila Reddy*


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Name of Mentor: Dr. Mamta Arora Name of Department: Commerce Designation: Associate Professor	
Name of Mentor: Mr. Aashish Jain Name of Department: Commerce Designation: Assistant Professor	

SRIVIPRA PROJECT 2021


Title: "Performance Evaluation of Mutual Funds during COVID Crisis"


List of students under the SRIVIPRA Project:


S. No	Name of the student	Course	Photo
1	Aarushi Govil	B. Com(H)	


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2	Anchal Kansal	B. Com(H)	
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3	Anjali	B. Com(H)	
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4	Anuj Thakur	B. Com(H)	
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5	Garima Sethi	B. Com(H)	
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6	Mansi Goenka	B. Com(H)	
7	Priya	B. Com(H)	
8	Reet Meddiratta	B. Com(H)	
9	Sandhya Gupta	B. Com(H)	

4

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10	Shweta Tanwar	B. Sc. Stats(H)	
----	---------------	-----------------	---

Mamta Arora 

Signature of Mentor

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2104 titled "Performance Evaluation of Mutual Funds during COVID Crisis". The participants have carried out the research project work under our guidance and supervision from 5th July 2021 to 25th August 2021. The work carried out is original and carried out in an online mode.

Mamta Arora 

5 C. Sheela Reddy 

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**“INDIAN ECONOMY IN STAGFLATION
: CAUSES AND WAY FORWARD”**

SRI-VIPRA PROJECT

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SRIVIPRA PROJECT 2021




Title: Indian Economy in Stagflation : Causes and Way Forward

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List of students under the SRIVIPRA Project

Name of Mentor: Ms. Devki Designation: Name of Department: Commerce Assistant Professor	
--	---

S.No	Name of the student	Course	Photo
1	Arshdeep	B.COM (Programme)	
2	Sushant Kannoja	B.COM Hons.	
3	Khushi	B.A (H) Economics	


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4	Navya Jindal	B.A (H) Economics	
5	Himanshi Bhardwaj	B.A (H) Economics	
6	Prerna Singla	B.A (H) Economics	
7	Soumya Panwar	B.A (H) Economics	
8	Gurjeevan Kaur	BSc.(H) Statistics	
9	Chaitanya Sehgal	B.Com. (Hons)	

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Signature of Mentor

CERTIFICATE

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2106 titled "Indian Economy in Stagflation: Causes and Way Forward". The participants have carried out the research project work under my guidance and supervision from 1st July 2021 to 25th August 2021. The work carried out is original and carried out in an online mode.



Signature of Mentor

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Project Report of 2021: SVP-2105

“Determinants of Foreign Direct Investment in India”



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Kuan
New Delhi -110021**

Name of Mentor: Dr. Vinod Kumar
Name of Department: Commerce
Designation: Assistant Professor



SRIVIPRA PROJECT 2021

Title: Determinants of Foreign Direct Investment in India

List of students under the SRIVIPRA Project

S. No	Name of the student	Course	Photo
1	Ms. Shambhavi Singh	B.Com (Hons.)	
2	Mr. Ashutosh Shukla	B.Com (Prog.)	


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3	Mr. Divyansh Vashistha	B.Com (Prog.)	
4	Ms. Komal Agarwal	B.Com (Hons.)	
5	Ms. Sheetal Kumari	B.A. (Prog.)	
6	Ms. Nitya Bhasin	B. Com (Hons.)	
7	Mr. Aviral Agarwal	B. Com (Hons.)	
8	Mr. Anant Jindal	B. Com (Hons.)	

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Dhaulta Kuan, New Delhi

9	Ms. Shruti Lamba	B.A.(Economics) (Hons.)	
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A inod

Signature of Mentor

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-XXXX titled "**Determinants of Foreign Direct Investment in India**". The participants have carried out the research project work under my guidance and supervision from **5th July 2021** to **25th August 2021**. The work carried out is original and carried out in an online mode.

A inod

Signature of Mentor

C. Sheila Reddy

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Sri Venkateswara College

(S. Krishnakumar) Sharda

S. Reddy

Coordinators

Principal

Acknowledgements

I would like to express my humble and deepest appreciation to Lord Venkateswara, the Prof. C. Sheela Reddy, Principal, Sri Venkateswara College; Dr. S. Venkata Kumar, Vice-Principal, SVC; Dr. Sharda Pasricha and Dr. S Krishnakumar, Coordinators, IQAC SVC, SRIVIPRA 2021; Senior faculty from the Department of Commerce, Mrs. Sunita Chhabra, Dr. Mamta Arora, TIC Commerce Dr. Shruti Mathur and colleagues from the Department of Commerce and College who have extended my this opportunity of pursuing the Online Summer Internship Programme (from 5th July 2021 to 25th August 2021).

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**SRI VENKATESWARA INTERNSHIP PROGRAM
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(SRI-VIPRA)**

PROJECT REPORT – 2021

**STUDY OF GENOMIC VARIANTS IN *Helicobacter Pylori* AND
ASSOCIATED CANCER SPECIFIC GENES USING GENOMIC
ANALYSIS TOOLS**

MENTORS:

**Dr. P. Jayaraj Department of
Zoology Sri Venkateshwara
college University of Delhi**

**Dr. Namita Nayyar Department
of Zoology Sri Venkateshwara
college
University of Delhi**

PRINCIPAL

**Dr. C. Sheela
Reddy Sri
Venkateswara
College University
of Delhi**



**Tirumala Tirupati Devasthanams
Sri Venkateswara College
University of Delhi (South)**

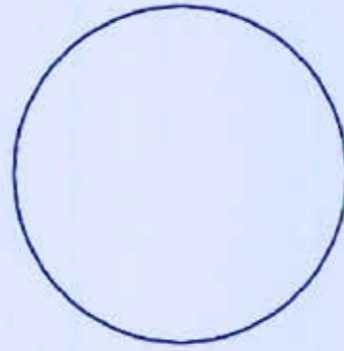
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Dhaura Kuan, New Delhi-110021**

MENTORS



Dr. P. Jayaraj
Department of Zoology
Assistant professor
Sri Venkateshwara college
University of Delhi



Dr. Namita Nayyar
Department of
Zoology Assistant
professor
Sri Venkateshwara
college University of
Delhi

C. Sheila Reddy





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STUDENTS TEAM

S. No.	Name	Course	Roll Number	Photo	Signature
1.	Abhay Singh	B.Sc. Life Sciences	1119145		
2.	Ananta Tewari	B.Sc. Life Sciences	1119052		
3.	Aniruddh Jhanwar	B.Sc. Life Sciences	1119033		
4.	Anuvrinda Sharma	B.Sc. (Hons.) Zoology	2020043		
5.	Cheshte Varshney	B.Sc. (Hons.) Biological Science	1319010		
6.	Muskaan Sharma	B.Sc. (Hons.) Zoology	2020033		

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7.	Preetika Sinha	B.Sc. (Hons.) Zoology	2020012		<i>Preetika Sinha</i>
8.	Priyansh Preet	B.Sc. Life Sciences	1119104		<i>Priyansh</i>
9.	Roobal	B.Sc. Life Sciences	1119108		<i>Roobal</i>
10.	Shreya Taluja	B.Sc. (Hons.) Biochemistry	1220003		<i>Shreya Taluja</i>
11.	AN V Sri Vaishnavi	B.Sc. Life Sciences	1119169		<i>AN V Sri Vaishnavi</i>

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SRI-VIPRA PROJECT 2021

Project Code: SVP-2149

Title - In silico screening of phytochemicals for curing Dengue.

<p>Name of Mentor - Dr. Mansi Verma Department - Zoology Designation - Associate Professor</p>	
<p>Name of Mentor - Dr. Amit Vashishtha Department - Botany Designation - Assistant Professor</p>	

C. Sheila Reddy





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Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S. No.	Name	Course	Photo
1.	Aditi Singh	B.Sc. (H) Zoology (Semester 3)	
2.	Bhavya Birla	B.Sc. (H) Botany (Semester 3)	
3.	Chahat Dhawan	B.Sc. (P) Life Sciences (Semester 5)	
4.	Dravie Bansal	B.Sc. (H) Biological Science (Semester 5)	
5.	Inderpreet Singh	B.Sc. (P) Life Sciences (Semester 5)	

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6.	Ishika Sharma	B.Sc. (H) Botany (Semester 5)	
7.	Rashi Raj	B.Sc. (P) Life Sciences (Semester 5)	
8.	Ritika Semwal	B.Sc. (H) Zoology (Semester 5)	
9.	Shubhangi Antil	B.Sc. (H) Biological Science (Semester 5)	

Signature of Coordinator
(SRI - VIPRA 2021)

Signature of Mentor
(Dr. Mansi Verma)

Signature of Mentor
(Dr. Amit Vashishtha)

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

Project Report of 2021: SVP-2148

**“DNA isolation and analysis of sequencing data of
bacterial genomes using bioinformatics tools”**

&

**“A review on Mitigation Strategies for Bacterial Diseases
in Aquaculture”**



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New Delhi -110021**

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Dhaura Kuan, New Delhi-110021**

SRIVIPRA PROJECT 2021

Title : “DNA isolation and analysis of sequencing data of bacterial genomes using bioinformatics tools”

&






“A review on Mitigation Strategies for Bacterial Diseases in Aquaculture”

Name of Mentor: Dr. Himani Khurana Name of Department: Zoology Designation: Assistant Professor	
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List of students under the SRIVIPRA Project

S. No.	Name of the student	Course (Sem)	Photo
1	Srianshu Kumar Panda	B.Sc. (H) Zoology (II)	
2	Anushka Puri	B.Sc. (H) Zoology (II)	
3	Bibham Tiwari	B.Sc. (H) Zoology (II)	
4	Shyonika Chatterjee	B.Sc. Life Sciences (II)	 SHYONIKA CHATTERJEE 14.12.2019

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5	Apeksha Singhal	B.Sc. Life Sciences (II)		
6	Rohan Raj	B.Sc. Life Sciences (II)		
7	Manasvi Rai	B.Sc. Life Sciences (II)		
8	Sanya Yadav	B.Sc. Life Sciences (II)		
9	Simran Singh	B.Sc. Life Sciences (IV)		
10	Aayushi Sharma	B.Sc. Life Sciences (IV)		
11	Tanya Bhatt	B.Sc. Life Sciences (VI)		
12	Muskan Goel	B.Sc. Life Sciences (VI)		



Signature of Principal

Signature of Mentor

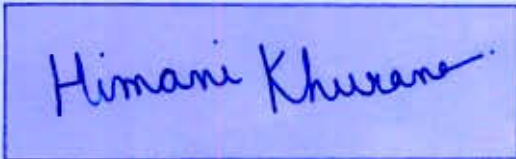
C. Sheela Reddy

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Dhaulta Kuan, New Delhi-110021

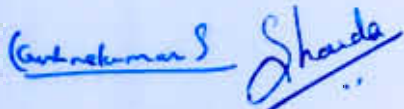


Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2148 titled “DNA isolation and analysis of sequencing data of bacterial genomes using bioinformatics tools” & “A review on Mitigation Strategies for Bacterial Diseases in Aquaculture.” The participants have carried out the research project work under my guidance and supervision from 05 July 2021 to 20 August 2021. The work carried out is original and carried out in an online mode.



Signature of Mentor



Coordinators



Principal



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SRIVIPRA PROJECT 2021

Name of Mentor: Dr. Anita Verma Department of Zoology Designation: Associate Professor	
Name of Mentor: Dr. Rajendra Phartyal Department of Zoology Designation: Assistant Professor	

Title: Study of the Effect of Restrictions (lockdown and online classes, reduced mobility) due to Covid -19 on Preteen Children.

List of students under the SRIVIPRA Project

S. N	Name of the student	Course	Phot
1.	Mansi Singh	B.Sc. Prog. Life Sciences (Sem-VI 2018-21)	
2.	Kajal Gupta	B.Sc. Prog. Life Sciences (Sem-II 2020-23)	
3.	Sshrutika Rawat	B.Sc. Prog. Life Sciences (Sem-VI 2018-21)	
4.	Mansi Goyal	B.Sc. Prog. Life Sciences (Sem-II 2020-23)	
5.	Gaurav Dutta	B.Sc.(H) Zoology (Sem-II 2020-23)	
6.	Trisha Puri	B.Sc. Prog. Life Sciences (Sem-IV 2019-22)	

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Anita

Rajendra

THE BASICS OF SCIENTIFIC WRITING –

STRUCTURE, CONTENT AND ORGANISATION

SRIVIPRA 2021
SUMMER INTERNSHIP REPORT
(SVC-2145)



Sri Venkateswara College
University of Delhi (South Campus)
Dhaura Kuan, New Delhi - 110021

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Teachers (Mentors)

Sr. No	Name of the teacher	Department	Emil Id
1	Dr. Ajaib Singh	Zoology	ajaibmolbio@gmail.com
2	Dr. Om Prakash	Zoology	oprakash@svc.ac.in

Internship Students

S.No.	Name of the Student	Roll Number	Email	Contact number	Name of the Course
1	Himanshu	2019033	hemang.potlia@gmail.com	8901098317	B.Sc. (Hons.) Zoology Sem V
2	Sushma Kumari	1119123	dk089065@gmail.com	7982040594	B.Sc. (P) Life Science Sem V
3	Subiksha.S	1318009	sasubiksha@yahoo.co.in	9840891410	B.Sc. (Hons.) Biological Science Sem VI
4	Bismillah	1119111	strikeoffbypen@gmail.com	9650714769	B.Sc. Life Sciences Sem V
5	Madhav Gupta	2020016	guptamadhav681@gmail.com	7015606760	B.Sc. (Hons.) Zoology Sem III
6	Deepanshu	2020015	deepanshuaul821@gmail.com	9306820261	B.Sc. (Hons.) Zoology Sem III
7	Paripreet Kaur	1120032	amor4pari@gmail.com	9990013535	B.Sc.(P) Life Science Sem III
8	Vanija Raj Sinha	1120019	vanijaraj12@gmail.com	9798571230	B.Sc. Life Science Sem III
9	SameekshaPandiya	1318015	pandiyasameeksha@gmail.com	7651821107	B.Sc. (Hons.) Biological Science Sem VI
10	Karnika	1120121	Karnika2201@gmail.com	7983588253	B.Sc (P) Life Sciences Sem III

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**SRI VENKATESWARA INTERNSHIP PROGRAM
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(SRI-VIPRA)**

Project Report of 2021: SVP-2150

**“Reality of COVID-19: Vaccination, Mortality and Post
COVID Complications”**



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Dhaura Kuan, New Delhi-110021**

Name of Mentor: Dr. Aarti Seherawat
Name of Department: Zoology
Designation: Assistant Professor



SRI VIPRA PROJECT 2021

Title : Reality of COVID-19: Vaccination, Mortality and Post COVID Complications

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Prabha Rana	B.Sc Sciences Life	
2	Abhishek Tanwar	B.Sc Zoology (H)	
3	Shubhi Agrawal	B.Sc Zoology (H)	

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Sri Venkateswara College
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4	Kanika	B.Sc Zoology	(H)	
5	Saloni Verma	B.Sc Zoology	(H)	
6	Tanya Johri	B.Sc Sciences	Life	
7	Himanshi Arora	B.Sc Sciences	Life	
8	Srishti Vyas	B.Sc Sciences	Life	

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report -2021: SVP-2142

**“STATISTICAL MODELLING: ANALYSIS AND
PREDICTION OF TIME-DEPENDENT EVENTS”**



Sri Venkateswara College

University of Delhi

Dhaulta Kuan

New Delhi -110021

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRI VIPRA PROJECT 2021

Name of Mentor: Mr. Akash Varshney
Name of Department: Statistics
Designation: Assistant Professor



Name of Mentor: Dr. Dipika
Name of Department: Statistics
Designation: Assistant Professor



Title of the Paper — Statistical modelling: Analysis and Prediction of Time-Dependent Events

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Statistical modelling: Analysis and prediction of time-dependent events


Sri Venkateswara College

List of students under the SRI-VIPRA Project

S.No.	Name	Course	Picture
1.	Anuja Bharadwaj	Statistics (H)	
2.	Bhavya Batra	Statistics (H)	
3.	Riya Jindal	Statistics (H)	
4.	Aishwarya Srivastava	Statistics (H)	
5.	Saksham Joshi	Statistics (H)	

Shruti Reddy

6.	Shameek Phukan	Statistics (H)	
7.	Khushi Panjabi	Statistics (H)	
8.	Shruti Vohra	Statistics (H)	
9.	Ananya Sinha	Statistics (H)	
10.	Navya Agarwal	Statistics (H)	
11.	Archisha Singh	Statistics (H)	

12.	Sunny Chaudhary	Statistics (H)	
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C. Sheila Reddy

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Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRI VIPRA SVP2143

27 August 2021 20:08



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



PROJECT REPORT OF 2021: SVP2143

**"IS THE THIRD WAVE OF COVID-19 INEVITABLE?":
A STUDY**

Saving a life that is in jeopardy is the origin of Dharma.
- Mahabharata, Chapter-13, Shloka-598




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Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheila Reddy



**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

SRI -VIPRA PROJECT 2021: SVP2143

Is the Third Wave of COVID-19 Inevitable? : A Study

Name of Mentor: Dr. Veena Budhrnjo Name of Department: Statistics Designation: Professor	
---	---

List of students under SRI-VIPRA Project

S. No.	Name of the student	Course	Photo
1	Mehak Kohli	B.Sc. (H) Statistics Third Year	
2	Raghav Kamra	B.Sc. (H) Statistics Third Year	

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110024

3	Raunag Puri	B.Sc. (H) Statistics Third Year	
4	Shubham Snehil	B.Sc. (H) Statistics Second Year	
5	S Skanda	B.Sc. (H) Statistics Second Year	
6	Yashuvi Thumai	B.Sc. (H) Statistics Third Year	


Signature of Mentor

C. Sheila Reddy

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Sri Venkateswara College
Dhula Kuan, New Delhi-110021

Report

On

**“Field Research Methodology: Statistical Techniques in
Social & Biological Sciences”**

Project No. SVP-2141

Under

Sri Venkateswara Internship Program in Research & Academics

(SRIVIPRA 2021)

Submitted by

Prof. Mukti kanta Sukla

Dr. Chetan

Ms. Parul Saini

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



**Department of
Statistics Sri
Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi 110021, India**

Field Research Methodology: Statistical Techniques in Social & Biological Sciences

(Project No. SVP-2141)

Mentors Details

- 1) Prof. Mukti Kanta Sukla
Department of Statistics, SVC
- 2) Dr Chetan
Assistant Professor,
Department of Statistics, SVC
- 3) Ms Parul Saini
Assistant Professor,
Department of Statistics, SVC

Introduction

The role of research in several domains of applied sciences like Social Sciences and Biological Sciences has been increased sharply in the modern time. The increasingly complex nature of various problems in developing countries, government has focused attention on the use of field research in solving the operational problems. In addition, statistical techniques play an essential and vital role in scientific research, specially field research, and helps in designing experiments, analysing and interpreting data. These techniques also contribute to making appropriate decisions in the light of the researcher's findings from social sciences and biological sciences. Even simple statistical techniques are helpful in providing insights about data under consideration. Such as extreme values, mean, median, standard deviations, interquartile ranges, and distance formulas are useful in exploring, summarizing, and visualizing data. These techniques, though relatively simple, are a good starting point for exploratory data analysis. They are useful in uncovering interesting trends, outliers, and patterns in the data. After identifying areas of interest, researchers can further explore the data using advanced statistical techniques.

Undergraduate research and its knowledge allow students to develop professionally and personally. Research experiences give students an opportunity to gain a deeper knowledge of research techniques and processes, apply classroom learning in real-world contexts, explore academic literature, and form meaningful relationships with faculty members and professional researchers. Therefore, an attempted is made to provide short internship program for meeting the requirement at UG level through the project entitled "Field Research Methodology: Statistical Techniques in Social & Biological Sciences (Project No. SVP-2141)" under the Sri Venkateswara Internship Program in Research & Academics (SRIVIPRA), 2021.



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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

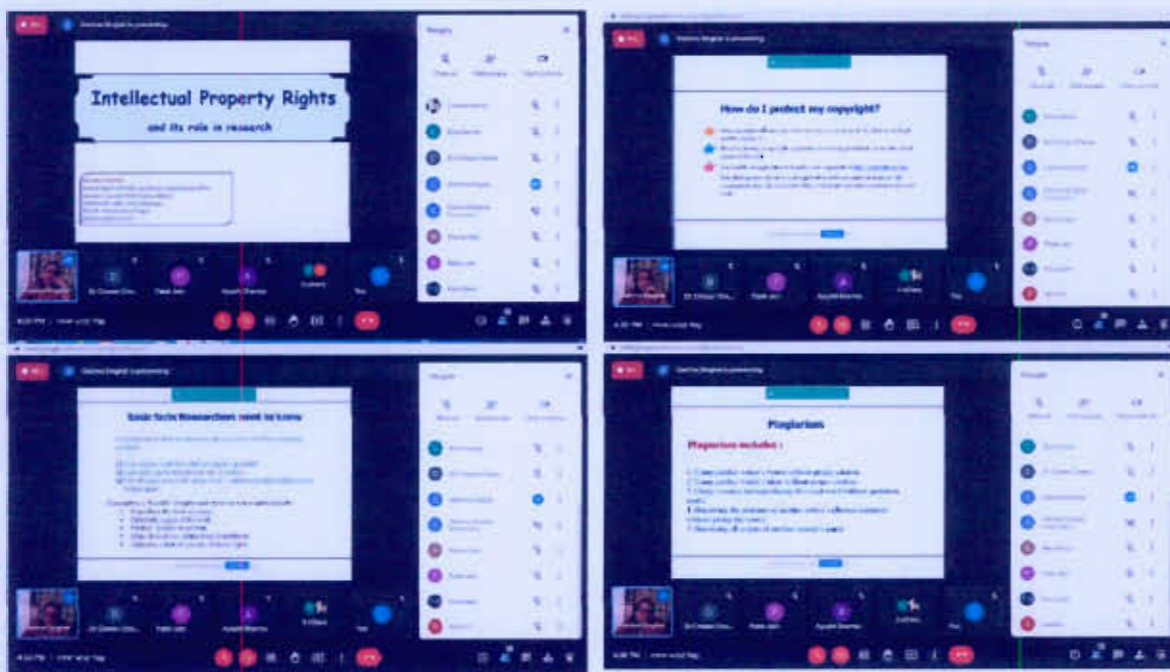
Structure of the Internship Program

The internship program is conducted, under the said title, in such a way that interns may get aware of different aspects of the research and become familiar with it. The entire program was divided in the three expert mentoring sessions, outside expert mentoring session and pilot research program.

The expert mentoring sessions were conducted by the mentors on Introduction General Research Methodology which includes Objective, Motivation, Approach, Significance, Criteria for good research; Defining Research Problem and its necessity research in India; Open Literature Resources; Open Data Collection Resources; Sample and Data collection Techniques Perspective which focused on Sample and Data collection Techniques: Census data, Sample data, Ideal Sample for research, methods (online & offline) for data collection, adoption of appropriate method; Analysis of Data which include Descriptive Analysis of Data, Construction of Statistical Hypothesis for analysis, Statistical Modeling and Analysis of collected data.

The outside expert mentoring session were conducted on Intellectual Property Right (IPR) and its Role in Research by Ms. Garima Singhal, Patent Agent & SIPP Facilitator on August 03, 2021. The mentoring session is based on the aim of general awareness of IPR and focused on the importance of copyright and plagiarism issues in the research.

Glimpses of the Session



In the Pilot Research Program (PRP), all the interns were associated with their own research topics based on their interest. This PRP includes the preparation of objective and sub topics, preparation of questionnaire, and interpretation & report writing for their projects based on their interest areas. These interest areas includes adoption rate in India, relationship between

C. Sheila Reddy

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Dhaura Kuan, New Delhi-110021

job satisfaction and salary, enhancement of employees work performance through monetary incentives, lifestyle of students during COVID 19 lockdown, epidemiology of COVID 19 and its variants, human bio-monitoring of mercury exposure, vegetarianism and non-vegetarianism debate and others.

Interns Profile

1. Ms. Aditi, Department of Commerce, SVC
2. Ms. Ananya, Department of Statistics, SVC
3. Ms. Ankita, Department of Mathematics, SVC
4. Ms. Ayushi, Department of Bio Sciences, SVC
5. Ms. Dipsy, Department of Statistics, SVC
6. Ms. Diya, Department of Statistics, SVC
7. Ms. Navya, Department of Statistics, SVC
8. Ms. Palak, Department of Statistics, SVC
9. Ms. Sanchi, Department of Statistics, SVC
10. Mr. Waris, Department of Statistics, SVC

Outcomes of the Program

1. The interns able to understand how to study a phenomenon or new insights of the practical data obtained from the field research.
2. The interns able to understand how to portray accurately the characteristics of a particular individual, situation or a group.
3. The interns able to understand how to test a hypothesis of a causal relationship between the variables under consideration in pilot research program.

Acknowledgement

We would like to express our thanks of gratitude to Sri Venkateswara College for providing this opportunity through Sri Venkateswara Internship Program in Research & Academics (SRIVIPRA), 2021.



(Ms Parul Saini)
Department of Statistics



(Dr Chetan)
Department of Statistics



(Prof. Mukti Kanta Sukla)
Department of Statistics



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Dhaura Kuan, New Delhi-110021

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

Project Report – 2021: SVP-2139

Analysis of degradation of Azo Dyes



**Sri Venkateswara College
University of Delhi
Benito Juarez Road
New Delhi- 110 021**

C. Sheila Reddy


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Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

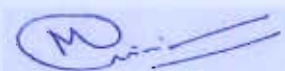
SRI-VIPRA PROJECT 2021

Title: "Analysis of Degradation of Azo Dyes"

Mentor: Dr. Manoj Giri Assistant Professor Department of Physics Sri Venkateswara College University of Delhi Benito Juarez Road New Delhi- 110021	
---	---

List of students under the SRIVIPRA Project

S.No	Name of the student	Roll No	Course	Photo
1	Priyansh Agarwal	1819038	B.Sc. Hons. Physics (3rd year)	



Signature of the Mentor
SRIVIPRA 2021



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 Sri Venkateswara College
 Dhaura Kuan, New Delhi-110021

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

Project Report - 2021

Best Modality of Dosimetry For Radiotherapy Using Ion Beams



**Sri Venkateswara College
University of Delhi
Benito Juarez Road
New Delhi- 110021**

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



Mentor: Dr. Anant
Pandey Associate
Professor Department
of Physics
Sri Venkateswara
College University of
Delhi Benito Juarez
Road
New Delhi- 110021



SRI-VIPRA PROJECT 2021

Title: “Best Modality of Dosimetry for Radiotherapy Using Ion Beams”

List of students under the SRIVIPRA Project

S.N o.	Name of the student	Roll No	Course	Photo
1	Kashish Bassi	1819028	BSc. Hons. Physics (3rd year)	
2	Kunal Prasad	1819002	BSc. Hons. Physics (3rd year)	

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Sri Venkateswara College
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3	Mahima Agarwal	1819008	BSc. Hons. Physics (3rd year)	
4	Muskan Singh	1819055	BSc. Hons. Physics (3rd year)	
5	Rahul	1819054	BSc. Hons. Physics (3rd year)	
6	Simran Chauhan	1819058	BSc. Hons. Physics (3rd year)	
7	Soumyaa Vashishtha	1819031	BSc. Hons. Physics (3rd year)	

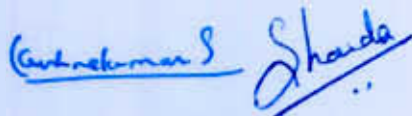
C. Sheela Reddy
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 Sri Venkateswara College
 Dhaura Kuan, New Delhi-110021

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer internship project entitled "**Best Modality of Dosimetry for Radiotherapy Using Ion Beams**" under SRI-VIPRA 2021. The participants have carried out the research project under my guidance and supervision from July 22, 2021 to August 20, 2021. The work carried out is a systematic review on the literature available on the above-mentioned subject and is done in an online mode.



Dr. Anant Pandey
Mentor



Coordinators



Principal



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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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



Project Report of 2021: SVP-2151

“JOURNEY OF PI”



IQAC

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College University of
Delhi Dhaula Kuan
New Delhi -110021**

C. Sheela Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021**

Name of Mentor : **Dr. R K Budhraja**

Name of Department : **Mathematics**

Designation : **Associate Professor**



C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Dolly Goyal	B.Sc. Mathematics Honours – III Year	
2	Saumya Sharma	B.Sc. Mathematics Honours - III Year	
3	Harsh Sharma	B.Sc. Mathematics Honours - III Year	
4	Kumari Kusum	B.Sc. Mathematics Honours - III Year	

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Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2136

“Analyzing COVID-19 Data Using Statistical Software R”



**IQAC
Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

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

Project Report of 2021: SVP-2134

**“Construction and Exploration of Certain Complex Valued
Functions Geometrically”**



IQAC

**Sri Venkateswara College
University of Delhi
Dhaulta Kuan
New Delhi -110021**

C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021**

Name of Mentor: Dr. Rajni Arora
Name of Department : Department of Mathematics
Designation: Assistant Professor



SRI VIPRA PROJECT 2021

Title : Analyzing COVID-19 Data Using Statistical Software R

List of students under the SRIVIPRA Project

S.No.	Name of the Student	Course	Photo
1.	Disha Gupta	B.Sc (Hons) Mathematics Semester IV	
2.	Nishank Gupta	B.Sc (Hons) Mathematics Semester IV	
3.	Priyal Chopra	B.Sc (Hons) Mathematics Semester IV	
4.	Shakya Sinha	B.Sc (Hons) Mathematics Semester IV	

Signature of Mentor

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2021




Title : Construction and Exploration of Certain Complex Valued Functions Geometrically

<p>Name: Dr. Nisha Bohra</p> <p>Name of Department: Mathematics</p> <p>Designation: Assistant Professor</p>	<p style="text-align: center;">Photo</p>  A portrait photograph of Dr. Nisha Bohra, a woman with long dark hair, wearing a dark blue floral patterned top. She is smiling slightly and looking towards the camera. The background is dark and out of focus.
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C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S. No	Name of the student	Course	Photo
1	Anant Narayanan	B.Sc. (Hons.) Mathematics	
2	Imran Hussain	B.Sc. (Hons.) Mathematics	
3	Jaskaran Singh	B.Sc. (Hons.) Mathematics	

C. Sheila Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

4	Jayati Sood	B.Sc. (Hons.) Mathematics	
5	Prassanna Nand Jha	B.Sc. (Hons.) Mathematics	
6	Vidhi Yadav	B.Sc. (Hons.) Mathematics	

Nisha
Signature of Mentor

C. Sheila Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2137

**“High Order Discretization for the Helmholtz
Equation”**



**IQAC
Sri Venkateswara College
University of Delhi Dhaula
Kuan
New Delhi - 110 021**

C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021**

SRIVIPRA PROJECT 2021

Title: High Order Discretization for the Helmholtz Equation.










Name of Mentor: Dr. Neelesh Kumar
Name of Department: Mathematics
Designation: Assistant Professor



C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S. No.	Name of the student	Course	Photo
1	Ashish Prakash	B.Sc (H) Mathematics, Sem-II	
2	Rishabh Banerjee	B.Sc (H) Mathematics, Sem-II	
3	Rishabh Jakhmola	B.Sc (H) Mathematics, Sem-II	
4	Soumya Jain	B.Sc (H) Mathematics, Sem-II	
5	Siddhi Agarwal	B.Sc (H) Mathematics, Sem-II	
6	Ananya Kaushik	B.Sc (H) Mathematics, Sem-II	
7	Harsh Vardhan Kukreti	B.Sc (H) Mathematics, Sem-II	
8	Akanksha Singh	B.Sc (H) Mathematics, Sem-II	
9	Prerna Tuteja	B.Sc (H) Mathematics, Sem-II	

Mukul Kumar

Signature of Mentor

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

**SRI VENKATESWARA INTERNSHIP
PROGRAM FOR RESEARCH IN ACADEMY
(SRI-VIPRA)**

Project Report -2021

“Role of Mathematics in Artificial Intelligence”



**Sri Venkateswara
College University of
Delhi Dhaula Kuan
New Delhi -110021**

C. Shela Reddy




PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRI-VIPRA PROJECT 2021

Title: Role Of Mathematics in Artificial Intelligence




Name of Mentor: Dr. Garima V. Arora Name of Department: Mathematics Designation: Assistant Professor	
---	---

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Ramnaresh Dara	B.Sc. (Hons.) Mathematics	
2	Anjali Kumari	B.Sc. (Hons.) Mathematics	
3	Kashish	B.Sc. (Hons.) Mathematics	



C. Sheela Reddy

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Dhaulta Kuan, New Delhi-110021

4	Surabhi Rawat	B.Sc (Hons) Mathematics	
5	Vivek Kumar Mahto	B.Sc. (Hons.) Mathematics	
6	Dishant Kaushik	B.Sc (Hons) Mathematics	
7	Jahnvi Agarwal	B.Sc. (Hons.) Mathematics	
8	Palak Chaudhary	B.Sc. (Hons.) Mathematics	

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

9	Neer Kumar	B.Sc (Hons) Mathematics	
10	Pranavi Kasireddy	B.Sc. (Hons.) Mathematics	

**Signature of Coordinator
Mentor SRIVIPRA 2020**


Signature of



PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

**SRI VENKATESWARA INTERNSHIP PROGRAM FOR
RESEARCH IN ACADEMICS
(SRI-VIPRA 2021)**

**PROJECT REPORT - 2021 "ALGORITHMS AND
THEIR COMPLEXITY"**



**Sri Venkateswara College University of
Delhi
Dhaura Kuan New Delhi -110021**

C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

TITLE: "ALGORITHMS AND THEIR COMPLEXITY"

<p>Name of Mentor: Dr. Department: Matl Designation: Associat</p>		
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LIST OF STUDENTS UNDER THE SRI VIPRA PROJECT-2021

S.NO.	NAME	COURSE	YEAR	PHOTO
1	Honey Jain	B.Sc.(H) Physics	2 nd year	
2	Pratyush Ranjan Behera	B.Sc.(H) Mathematics	3 rd year	
3	Rishabh	B.Sc.(H) Mathematics	2 nd year	
4	Saurav Tanwar	B.Sc.(H) Mathematics	3 rd year	
5	Vidhi Chauhan	B.Sc.(H) Mathematics	3 rd year	

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

CERTIFICATE

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer research internship project entitled **Algorithms and their Complexity**. The participants have carried out the research project work under my guidance and supervision from July 5, 2021 to August 25, 2021. The work carried out is original and carried out in an online mode.

Deepi Jain

Mentor

(Anurag Kumar S) Sharda

Coordinators

C. Sheela Reddy

Principal

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

ACKNOWLEDGEMENT

We would like to express our sincere thanks to Dr. Deepti Jain, for her valuable guidance and support in completing our research internship and project report.

We would also like to express our gratitude towards our principal Prof. C Sheela Reddy for giving us the great opportunity of being part of SRI VIPRA. Without their support and suggestions, this project would not have been completed.

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2132

“Data Science - Deep Learning & Neural Networks”



IQAC

Sri Venkateswara College


University of Delhi

Dhaulta Kuan

New Delhi -110021

C. Sheela Reddy






PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021




<p>Name of Mentor: Mr. Anirban Chatterjee</p> <p>Name of Department: Mathematics</p> <p>Designation: Assistant Professor</p>	
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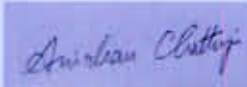
SRI-VIPRA PROJECT 2021

Title: Data Science - Neural Networks & Deep learning

List of students under SRIVIPRA PROJECT: -

S.No	Name of the student	Course	Photo
1.	Sejal Arora (Roll Number – 1719132)	B.Sc. (Honours) Mathematics (Semester – 4)	
2.	Tanishq Handa (Roll Number- 1918501)	B.Sc. (Honours) Statistics (Semester- 6)	
3.	Ankita (Roll Number – 1719161)	B.Sc. (Honours) Mathematics (Semester – 4)	
4.	Harjeet Singh Khera (Roll Number – 1918006)	B.Sc. (Honours) Statistics (Semester- 6)	
5.	Mansi Garg (Roll Number – 1718115)	B.Sc. (Hons) Mathematics (Semester – 6)	

6.	Naman Kumar Jain (Roll Number- 1719098)	B.Sc. (Honours) Mathematics (Semester – 4)	
7.	Rita Dasuni (Roll Number- 1719167)	B.Sc. (Honours) Mathematics (Semester – 4)	
8.	Shibani Maharana (Roll Number- 1719029)	B.Sc. (Honours) Mathematics (Semester – 4)	



Signature of Mentor



PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

RI VENKATESWARA INTERNSHIP PROGRAM
FOR RESEARCH IN ACADEMICS (SRI-VIPRA)

Project Report-2021

"The Application of Differential Equations in Biology"



Sri Venkateswara College
University of Delhi Dhaua
Kuan
New Delhi-110021

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaua Kuan, New Delhi-110021

SRIVIPRA PROJECT 2021

Title : The Application of Differential Equations in Biology

- Name of Mentor: Amit Kumar and Sudhakar Yadav
- Name of Department: Mathematics
- Designation: Assistant Professor



C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Mr. Aryan Kumar Prasad	B.Sc(H) Maths Semester: III	
2	Ms. Neha Gautam	B.Sc(H) Maths Semester: III	
3	Mr. Fardeen	B.Sc(H) Chem Semester:III	
4	Ms. Priyanka	B.Sc(H) Maths Semester: III	

Signature of Coordinator SRIVIPRA
2021

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Signature of Mentor

**SRI VENKATESWARA INTERNSHIP PROGRAM IN RESEARCH AND
ACADEMICS (SRI-VIPRA 2021)**

**An Online Undergraduate Summer Internship
Program July-August 2021**

Impact of Covid19 on Human Life in India: A Survey

(INTERNSHIP PROJECT REPORT)

Submitted by

Satvik Vashishtha, Praveen Regmi, Sonakshi Singh, Tushar Swaroop

Supervised

**By Mr. Hari
Singh**

DEPARTMENT OF ELECTRONICS

SRI VENKATESWARA COLLEGE | UNIVERSITY OF DELHI, NEW DELHI, INDIA

C. Sheila Reddy

PRINCIPAL

**Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

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

Project Report of 2021: SVP-2125

**“Theoretical investigation of semiconductor Devices and their
applications”**



IQAC

Sri Venkateswara College


University of Delhi

Dhaura Kuan

New Delhi -110021

C. Sheila Reddy



**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

Name of Mentor: Dr. Rakhi Narang Name of Department: Electronics Designation: Assistant Professor	
--	--

SRIVIPRA PROJECT 2021

Title : Theoretical investigation of semiconductor devices and their applications.

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Rishant Yadav	B.sc. (Hons.) Electronics	
2	Sachin Yadav	B.sc. (Hons.) Electronics	



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

Project Report of 2021: SVP-2124

**“Natural Language Processing (NLP) for language
identification”**



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New Delhi -110021**

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Dhaura Kuan, New Delhi-110021

Name of Mentor: Dr Lalita Josyula
Name of Department: Electronics Designation:
Associate Professor



Name of Mentor: Dr Basant Saini
Name of Department: Electronics Designation:
Assistant Professor



SRIVIPRA PROJECT 2021

Title : “Natural Language Processing (NLP) for language identification”

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Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA-2124 Project

S.No	Name of the student	Course	Photo
1	Vishrwa Tiwari	B.Sc (Hons) / Mathematics .	
2	Darius Singh	B.Sc (Hons) / Mathematics	
3	Aryan Murghai	B.Sc. (Hons.) / Statistics	
4	Mansha Ahuja	B.Sc. (Hons) / Physics	

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5	Shrikriti Singh	B.Com (Hons)	
6	Meemik Roy	B.Sc (Hons) / Physics	
7	Ishant Yadav	B.Sc (Hons) / Physics	



Signature of Mentors

Basant Saini

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**SRI VENKATESWARA INTERNSHIP PROGRAM
IN RESEARCH AND ACADEMICS
SRIVIPRA - 2021**

**AN ONLINE UNDERGRADUATE SUMMER INTERNSHIP PROGRAM
(JULY-AUGUST)**

**ELECTRONIC CIRCUIT ANALYSIS USING
SIMULINK IN MATLAB**
(INTERNSHIP PROJECT REPORT)

by

*Rishi Soni (1620002)
Kartavya Gupta (1620016)
Shivangi Gupta (1620039)
Amardeep Kumar (1620040
)*

Supervised by

Dr. Neha Verma



Department of Electronics
Sri Venkateswara College
University of Delhi
New Delhi, India
July-August 2021

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PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2107

“External Balance Sheets of Emerging Economies : 2000
to 2020”



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Kuan
New Delhi -110021**

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Dhaulta Kuan, New Delhi-110021

Name of Mentor: Dr. Krishnakumar S
Name of Department: Department of Economics
Designation: Assistant Professor



SRIVIPRA PROJECT 2021




Title : External Balance Sheets of Emerging Economies: 2000 -2020
SVP-2107

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Arushi Agarwal	B.Sc (H) Statistics	
2	Ashmita Mehra	B.A (H) Economics	
3	Bhavy Khajanchi	B.A (P) Economics and Mathematics	
4	Hazika Bilal	B.A (P) Economics and Mathematics	
5	Isha Soni	B.A (H) Economics	
6	Mishthi Arora	B.A (H) Economics	
7	Neha Duggal	B.A (H) Economics	
8	Rushali Jain	B.A (H) Economics	

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9	Shreyansh Garg	B.A (H) Economics	
10	Urvi Goswami	B.A (H) Economics	
11	Yashvi Garg	B.A (H) Economics	

(Anshu Kumar S)

Signature of Mentor

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2107 titled “**External Balance Sheets of Emerging Economies-2000-2020.**”The participants have carried out the research project work under my guidance and supervision from 1st July 2021 to 31st August 2021. The work carried out is original and carried out in an online mode.

(Anshu Kumar S)

Signature of Mentor

(Anshu Kumar S)

Sharda

Shrey

Coordinators

C. Sheila Reddy

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Dhaura Kuan, New Delhi-110021

Principal

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

Project Report of 2152: SVP

An Analysis of Centrally Sponsored Scheme-MGNREGA




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New Delhi -110021**

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Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2152

Name of Mentor: Meenakshi Sharma Name of Department: Economics Designation: Assistant Professor	Photo 
--	--

Title : An Analysis of Centrally Sponsored Schemes

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	SURAJ KUMAR P	B.A(H) ECONOMICS	
2	PUNYANSH	B.A. (H) Economics	
3	Mahesh R	B.A. (H) Economics	

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4	Precious Prince	B.A. (H) Economics	
5	BHAVYA GUPTA	B.A.(H) Economics	
6	Gracy Verma	B.A.(H) Economics	
7	YASHASVI JAIN	B.A.(H) Economics	
8	RISHIKA CHUTANI	B.A.(H) Economics	

[Handwritten signature]

Signature of Mentor

C. Sheela Reddy

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

Project Report of 2021: SVP-2108

**“The Effects of Movie Piracy on India’s Box Office Revenue: An
Empirical Analysis”**



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Dhaura Kuan, New Delhi-110021


Name of Mentor: Amit kumar jha
Name of Department: Economics
Designation: Assistant Professor








SRIVIPRA PROJECT 2021

Title : The Effects of Movie Piracy on India's Box Office Revenue: An Empirical Analysis





List of students under the SRIVIPRA Project

S.N o	Name of the student	Course	Photo
1	Nisha Pal	BA Economics (H)	

2	Kshitiz Agarwal	BA Economics (H)	
3	Yash Jain	BA Economics (H)	
4	Aman Kushwaha	B.Sc. (Hons.) Mathematics	
5	Yashaswi Kafola	B.Sc (H) Mathematics	
6	Ishita Kalra	BA Economics (H)	

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7	Aditi Ananya	BA Economics (H)	
8	Nikita	BA (H) Economics	
9	Rajesh Gopal	BA (H) Economics	
10	Harshit Raj	BA (H) Economics	

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Dhaura Kuan, New Delhi-110021

Anand Sritha

Signature of Mentor

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2108 titled "**The Effects of Movie Piracy on India's Box Office Revenue: An Empirical Analysis**". The participants have carried out the research project work under my guidance and supervision from 1st July 2021 to 25th August 2021. The work carried out is original and carried out in an online mode.

Anand Sritha

Signature of Mentor

C. Sheela Reddy

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

Project Report of 2021: SVP-2122

**“Green Recipes for Biologically Active
Benzopyranones: A survey”**



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SRIVIPRA PROJECT 2021

Title : Green Recipes for Biologically active Benzopyranones: A survey

Name of Mentor: 1. Dr. Sharda Pasricha Name of Department: Chemistry Designation: Associate Professor 2. Dr. Pragya Gahlot Name of Department: Chemistry Designation: Assistant Professor	Photo
--	--------------

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Devansh Rai	B.Sc. (Hons.) Chemistry	
2	Yamini Vashist	B.Sc. (Hons.) Chemistry	
3	Harsimar Kaur	B.Sc. (Hons.) Chemistry	
4	Nishita Avasthi	B.Sc. (Hons.) Chemistry	
5	Aditya Mishra	B.Sc. (Hons.) Chemistry	
6	Sarthak Gupta	B.Sc. (Hons.) Chemistry	
7	Shivanshu Verma	B.Sc.(Hons.) Chemistry	
8	Aashiya Praveen	B.Sc. (Hons.) Chemistry	

Sharda

Pragya

Signature of Mentor

C. Shela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

GUAR GUM AND ITS DERIVATIVE: A RESEARCH PROFILE

SriVipra Project Report

**Submitted to
Department of Chemistry Sri Venkateswara College
(University of Delhi)**



Under supervision

**DR. DEVENDRA KUMAR VERMA (Asst
Professor)**

Department of Chemistry, Sri Venkateswara College

C. Sheila Eddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

(University of Delhi),

August 2021-08-26

CERTIFICATE

This is to certify that the Sri Vipra Project entitled "GUAR GUM AND ITS DERIVATIVE: A RESEARCH PROFILE" submitted to Department of Chemistry, Sri Venkateswara College, (University of Delhi), embodies the original research work carried out by:

Ayesha Mirza	B.Sc. (H) Biochemistry	1219043	5th Sem
Kratika Sharma	B.Sc. (H) Chemistry	1518112	Pass out
Richa Sharma	B.Sc. (H) Chemistry	1519081	5th Sem
Sachidanand	B.Sc. (H) Chemistry	1520063	3rd Sem
Sarthak Kedar	B.Sc. (H) Chemistry	1519039	5th Sem
Sarvesh Kumar Verma	B.Sc. (H) Chemistry	1519129	5th Sem
Smriti Joshi	B.Sc. Life sciences	1118107	Pass out
Sunny Saurabh pandey	B.Sc. (H) Chemistry	1520045	3rd Sem
Verbi P. Bhagabati	B.Sc. (H) Chemistry	1518129	Pass out
Vidisha Jain	B.Sc. (H) Chemistry	1519024	5th Sem

under my supervision. This work has not been submitted in part or full for any degree or diploma of this or any other University.

C. Sheela Reddy

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Dhaura Kuan, New Delhi-110021

Dr. Devendra Kumar Verma
(Supervisor)
Asst. Professor,
Department of Chemistry,
Sri Venkateswara College,
of Delhi)

(University

Gurpreet Kumar S Sharda

Sharma

Coordinators

Principal

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Dhola Kuan, New Delhi-110021

IMPACT OF MICROPLASTICS ON WATER BIODIVERSITY

SVP-2120

Summer Internship Project under SRI-VIPRA

Sri Venkateswara College, University of Delhi

Project Mentors:

- 1. Dr. Pamil Tayal (Department of Botany)**
- 2. Dr. Tabassum Afshan (Department of Botany)**

Students involved:

1. Anshdha Nandra (B.Sc. Life Science)
2. Yashika Mago (B.Sc. Life Science)
3. Yashita Sharma (B.Sc. Life Science)
4. Divneet Singh (B.Sc. Life Science)
5. Mehak Agarwal (B. Sc. H Botany)
6. Mansi Rao (B. Sc. H Botany)
7. Nipun Verma (B. Sc. H Botany)

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project entitled " Impact of Microplastics on Water Biodiversity ". The participants have carried out the research project work under our guidance and supervision from July 1, 2021 to August 20, 2021. The work carried out is original and carried out in an online mode.

Dr Pamil Tayal
Name of Mentor



Signature of Mentor

Dr Tabassum Afshan
Name of Mentor



Signature of Mentor

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Dhaura Kuan, New Delhi-110021

SRI VENKATESWARA INTERNSHIP PROGRAM
FOR RESEARCH IN ACADEMICS

(SRI-VIPRA)

Project Report - 2021

“Effect of abiotic factors on plant growth and development”



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**University of Delhi
Dhaura Kuan**

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Dhaura Kuan, New Delhi-110021

New Delhi - 110021

SRI-VIPRA PROJECT 2021

Project Code: SVP-2121




Title - Effect of abiotic factors on plant growth and development

<p>Name of Mentor - Dr. Neeti Mehla Department - Botany Designation - Assistant Professor</p>	
<p>Name of Mentor - Dr. Aditi Kothari-Chhajer Department - Botany Designation - Assistant Professor</p>	

C. Sheela Reddy





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Sri Venkateswara College
D. Suba Kuan, New Delhi - 110021

List of students under the SRIVIPRA Project

S. No.	Name	Course	Seed	Photo
1.	Rhythm	B.Sc. (H) Botany (3 rd Year)	<i>Vigna radiata</i>	
2.	Sukeerti	B.Sc. (H) Botany (3 rd Year)	<i>Vigna radiata</i>	
3.	Priya Basil	B.Sc. (P) Life Sciences (2 nd Year)	<i>Vigna radiata</i>	



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4.	Kabeer Ghai	B.Sc. (P) Life Sciences (2 nd Year)	<i>Abelmoschus esculentus</i>	
5.	Shruti Bansal	B.Sc. (P) Life Sciences (2 nd Year)	<i>Abelmoschus esculentus</i>	
6.	Lakshita Sati	B.Sc. (H) Botany (3 rd year)	<i>Cicer arietinum</i>	
7.	Prateek Kumar Nainavat	B.Sc. (H) Botany (2 nd Year)	<i>Triticum aestivum</i>	

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8.	Devanshi Paliwal	B.Sc. (P) Life Sciences (2 nd Year)	<i>Triticum aestivum</i>	
9.	Avantika	B.Sc. (H) Biological Science (2 nd Year)	<i>Vigna aconitifolia</i>	



Signature of Mentor

(Dr. Neeti Mehla)



Signature of Mentor

(Dr. Aditi Kothari-Chhajer)

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Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2115

“Computational Characterization of Food Allergens prevalent in India”



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SRVIPRA PROJECT 2021

Title: *Computational Characterization of Food Allergens prevalent in India*






<p>Name of Mentor: Prof . N. Latha Name of Department: Biochemistry Designation: Professor</p>	
---	---

List of students under the SRVIPRA Project




S.no.	Name of Student	Department	Photograph
1.	Nandika Sanjog Sahani	BSc.(H) Biochemistry	
2.	Rythem Goyal	BSc.(H) Biochemistry	

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3.	Zeaan Mehernosh Pithawala	BSc.(H) Biochemistry	
4.	Urvi Singh	BSc.(H) Biochemistry	
5.	Rea Pasricha	BSc.(H) Biochemistry	
6.	Dhruv Sharma	BSc.(P) Life Sciences	
7.	Anusha Mahmood	BSc.(H) Biochemistry	

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8.	Shivansh Singh	BSc.(H) Biochemistry	
9.	Rishabh Anant	BSc.(H) Biochemistry	
10.	Chirag Pareek	BSc.(H) Biochemistry	

N. Latta

Signature of Mentor

C. Sheila Reddy

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

Project Report – 2021 (SVP-2113)

***In Silico* Approaches to understand Transcriptomics and Proteomics of
Mycobacterium tuberculosis Virulence and Persistence**



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021
SVP-2113 Project 2021**






<p>Name of Mentor: Dr. Vandana Malhotra Name of Department: Biochemistry Designation: Assistant Professor</p>	
--	---

Title: *In Silico* Approaches to understand Transcriptomics and Proteomics of

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

***Mycobacterium tuberculosis* Virulence and Persistence**

List of students under the SRI-VIPRA Project

S. No.	Name of the Student	Course	Photo
1	Ananya Chugh	B.Sc. Hons Biochemistry, III rd Year	
2	Kangna Verma	B.Sc. Hons Biochemistry, III rd Year	
3	Nimisha Khurana	B.Sc. Hons Biochemistry, III rd Year	
4	Prashant Mehra	B.Sc. Hons Biochemistry, III rd Year	
5	Vinita Khokhar	B.Sc. Hons Biochemistry, III rd Year	

Vandana Malhotra

Signature of Coordinator

Signature of Mentor SRIVIPRA 2021
Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the SRI-VIPRA internship project entitled "***In Silico Approaches to understand Transcriptomics and Proteomics of *Mycobacterium tuberculosis* Virulence and Persistence***". The participants have carried out the research project work under my guidance and supervision from June to August 2021. The work carried out is original and carried out in an online mode.

Vandana Malhotra

Signature of Mentor

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2117

**Identification and characterization of drug targets
in infectious disease causing organisms and screening of
ligands against them.**




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Dhaulta Kuan, New Delhi-110021

University of Delhi
Dhaura Kuan
New Delhi -110021

SRIVIPRA PROJECT 2021

Name of Mentor: Dr Nimisha Sinha Name of Department: Biochemistry Designation: Assistant Professor	
---	---

Title : Identification and characterization of drug targets in infectious disease causing organisms and screening of ligands against them.

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Ishita Sehgal	B.Sc. (Hons.) Biochemistry Semester VI	
2	Mehak Kukreja	B.Sc. (Hons.) Biochemistry Semester VI	
3	Asmita Gahlout	B.Sc. (Hons.) Biochemistry Semester VI	
4	Atharv Kapoor	B.Sc. (Hons.) Biological Sciences Semester VI	
5	Saumya Arora	B.Sc. (Hons.) Biochemistry Semester VI	
6	Ananya Bandyopadhyay	B.Sc. (Hons.) Biochemistry Semester VI	

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7	Garima	B.Sc. (Hons.) Biochemistry Semester VI	
8	Tarun Saini	B.Sc. (Hons.) Biochemistry Semester VI	
9	Smriti Raina	B.Sc. (Hons.) Biochemistry Semester VI	
10	Namya Sethi	B.Sc. (Hons.) Biochemistry Semester VI	

Signature of Mentor

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project SVP-2117 titled **Identification and characterization of drug targets in infectious disease causing organisms and screening of ligands against them.** The participants have carried out the research project work under my guidance and supervision from 2nd July 2021 to 15th September, 2021. The work carried out is original and carried out in an online mode.

Nimish

Signature of Mentor

C. Sheela Reddy

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

Project Report of 2021: SVP-2114

*Relationship between Sleep patterns and Stress levels in young adults
during the SARS-CoV2 pandemic*






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Kuan New Delhi -110021**

SRI-VIPRA PROJECT 2021

*Relationship between sleep patterns and stress levels in young adults during
the SARS CoV2 pandemic*

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9	Shruti Singh	B. Sc. (P) Life sciences	
10	Shreyasi Jhamb	B.Sc. (H) Mathematics	
11	Kritika	B.Sc.(H) Mathematics	

Nandini



Uandana Malhotra

Signature of Mentor

Certificate

C. Sheila Reddy

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Dhaulta Kuan, New Delhi-110021

<p>Name of Mentor: Dr. Nandita Narayanasamy</p> <p>Name of Department: BIOCHEMISTRY</p> <p>Designation: Associate Professor</p>	
<p>Name of Mentor: Dr. Vandana Malhotra</p> <p>Name of Department: BIOCHEMISTRY</p> <p>Designation: Assistant Professor</p>	

Relationship between sleep patterns and stress during SARS CoV2 pandemic

List of students under the SRI-VIPRA Project


S. No	Name of the student	Course	Photo
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1	Upasha Das	BA (H) Sociology	
2	Harshita Negi	B.Sc. (P) Life Sciences	
3	Shruti Samal	B.Sc. (P) Life Sciences	
4	Avi	BA (H) English	

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5	Ananya Kumar	B.Sc. (H) Biochemistry	
6	Rashi Singh	B.Sc. (P) Life Sciences	
7	Sriniwas	B.Sc. (P) Life Sciences	
8	Aparna Bose	B.Sc. (P) Life Sciences	

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

**Name of Mentor: Dr. Nandita Narayanasamy Name of
Department: BIOCHEMISTRY Designation: Associate Professor**



**Name of Principal Investigator: Dr. Meeta Bhardwaj Name of
Department: BIOCHEMISTRY Designation: Assistant Professor**



Project Report of 2021: SVP-2118

**“ESTABLISHING RELATIONSHIP BETWEEN TOTAL DAILY CALORIE
INTAKE AND TOTAL DAILY CALORIE EXPENDITURE IN YOUNG
ADULT POPULATION DURING THE PANDEMIC”**



**IOAC
Department of Biochemistry
Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -11**

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**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

SRIVIPRA PROJECT 2021






Title: Establishing Relationship Between Calorie Intake and Expenditure in Young Adult Population During Pandemic

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Aashi Barwal	B.Sc.(H)Biochemistry	
2	Aayushi Prasad	B.Sc.(H)Biochemistry	
3	Jaanvi	B.Sc.(H)Biological sciences	
4	Mansi	B.Sc.(H) Biological Sciences	

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5	Neha Guliya	B.Sc. (H) Biological Sciences	
6	Shrishtika Konwar	B.Sc.(H) Biological Sciences	
7	Sonali Kumari	B.Sc.(H) Biological Sciences	
8	Suman Kholiya	BSc. Life Sciences	
9	Tapasya Khanna	BSc. (H) Biochemistry	

Nandita

Signature of Mentor
Nandita Narayanasamy)

Meeta

Signature of Mentor (Dr.
(Dr. Meeta Bhardwaj)

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Dhaura Kuan, New Delhi-110021

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

Project Report -2021

**“Massive Open Online Courses in India-Public Opinion and
the Road Ahead”**



**Sri Venkateswara College
University of Delhi
DhaultaKuan
New Delhi -110021**

C. Sheila Reddy



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Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021**

Name of Mentor: Dr. Anju Kaicker Name of Department: Biochemistry Designation: Associate Professor	<p style="text-align: center;">Photo</p> 
---	--

SRIVIPRA PROJECT 2020

Title: MASSIVE OPEN ONLINE COURSES IN INDIA— PUBLIC OPINION AND THE ROAD AHEAD

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Aryan	BSc (Life Sciences)	
2	Jikmik Molia	BA (Hons.) History	

C. Sheela Reddy

3	K Archit	BA (Hons.) Political Science	
4	KasakSamadhiya	BA (Hons.) History	
5	Pranav Mathur	BA (Hons.) History	
6	Sehajnoor Kaur	BA (Hons.) Political Science	
7	Sumaiya Jawed	BA (Hons.) History	

3

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



**Signature of Coordinator
Certificate**

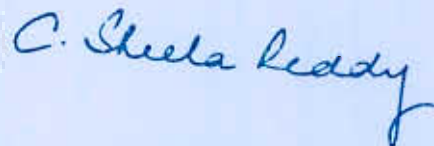
Signature of Mentor

SRIVIPRA 2021

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project entitled "**Massive Open Online Courses in IndiaPublic Opinion and the Road Ahead**". The participants have carried out the research project work under my guidance and supervision from July 1, 2021 to September 28 2021. The work carried out is original and carried out in an online mode.



Signature of Mentor



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

Project Report -2020

Study of Knowledge & Popularity
of Alternative Strategies
for Boosting Immunity
During the time of Covid-19



C. Anil Kumar

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report -2020

**“Study of Knowledge & Popularity of Alternative Strategies for Boosting
Immunity During the time of COVID-19”**



Sri Venkateswara College
University of Delhi
Dhaulta Kuan
New Delhi -110021

C. Sheila Reddy






PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRVIPRA PROJECT 2020

<p>Name of Mentor: Dr. Vartika Mathur Name of Department: Zoology Department</p> <p>Designation: Assistant Professor</p>	
--	--

Title: Study of Knowledge & Popularity of Alternative Strategies for Boosting Immunity During the time of Covid-19

List of students under the SRVIPRA Project

S. No	Name of the student	Course	Photo
1	Rohit Jangra	B.Sc. Prog. Life Sciences	
2	Priyanshi Narula	B.Sc. Prog. Life Sciences	
3	Urvika Goel	B.Sc. Prog. Life Sciences	
4	Mansi Singh	B.Sc. Prog. Life Sciences	
5	Aparna Pillai	B.Sc. (Hons.) Biological Sciences	

Signature of Coordinator
SRVIPRA 2020

Signature of Mentor

C. Sheela Reddy

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Dhaura Kuan, New Delhi-110021



SRVIPRA Summer Training programme 2020

Survey report on Study of Endophytes Using Omics

Sri Venkateswara Internship Program
For Research In Academiics

Submitted By

Himanshu Raj, Rishi Mohan Singh, Deevanshi
Walia, Sahil

Project Mentor

Dr. Vartika Mathur

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SURVEY REPORT ON

Study Of Endophytes Using Omics



Sri Venkateswara Programme for Research and Innovative Academics (SRIVIPRA)
Summer Training Programme-2020

Sri Venkateswara College University of Delhi Dhaula Kuan Enclave I, Dhaula Kuan, New Delhi,
Delhi 110021, India

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

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

Project Report -2020

Survey Report on Study of Endosymbionts Using Omics




**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheela Reddy





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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title: "Survey report on study of Endosymbionts using omics"

<p>Name of Mentor: Dr. Vartika Mathur Name of Department: Department of Zoology Designation: Assistant Professor</p>	
---	--

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Himanshu Raj	B.Sc Life Sciences	
2	Rishi Mohan Singh	B.Sc Life Sciences	
3	Deevanshi Walia	B.Sc Life Sciences	
4	Sahil	B.Sc Zoology (Hons.)	

Signature of Coordinator

Signature of Mentor

C. Sheila Reddy

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SRIVIPRA Summer Training Programme 2020

BURDEN OF DISEASE AND HEALTHCARE EXPENDITURE IN INDIAN HOUSEHOLDS

SRI VENKATESWARA PROGRAMME FOR RESEARCH AND INNOVATIVE ACADEMICS
SURVEY REPORT

SUBMITTED BY:

NIRMEGH BASU, AKANSHA SAXENA
MUSKAAN KHANNA, AYUSHI SARRAF
AKSHANSHI GULANI, DEVANSH TANDON

PROJECT MENTOR

DR. RICHA MISRA
(DEPARTMENT OF ZOOLOGY)

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

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

Project Report-2020

**Burden of Disease and Healthcare Expenditure in
Indian Households**



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi-110021**

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



DR. RICHA MISHRA
MENTOR
DEPARTMENT OF ZOOLOGY
ASSISTANT PROFESSOR

STUDENT'S TEAM



NIRMEGH BASU
BSC. (H) ZOOLOGY
SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI



AKANSHA SAXENA
BSC. (H) ZOOLOGY
SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI



MUSKAAN KHANNA
BSC. LIFE SCIENCES
SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI



AKSHANSHI GULANI
BSC. (H) ZOOLOGY
SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI



AYUSHI SARRAF
BSC. (H) ZOOLOGY
SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI



DEVANSH TANDON
BSC. (H) STATISTICS
SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI




PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title: Burden of Disease and Healthcare Expenditure in Indian Households

Name of Mentor: Dr. Richa Misra Name of Department: Department of Zoology Designation: Assistant Professor	
--	--

List of students under the SRIVIPRA Project:

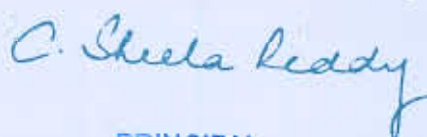
S.No.	Name of the Student	Course	Photo
1.	Nirmegh Basu	BSc (H) Zoology	
2.	Akansha Saxena	BSc (H) Zoology	
3.	Muskaan Khanna	BSc Life Sciences	
4.	Akshanshi Gulani	BSc (H) Zoology	
5.	Ayushi Sarraf	BSc (H) Zoology	
6.	Devansh Tandon	BSc (H) Statistics	



Signature of Coordinator
SRIVIPRA 2020



Signature of Mentor



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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report -2020

“CpG island analysis of Coronaviruses”



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**


1

C. Sheila Reddy


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRI VIPRA PROJECT 2020

Title: CpG island analysis of Coronaviruses

Name of Mentor: Dr. Mansi Verma Name of Department: Zoology Designation: Assistant Professor	
---	--

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Amit Bhatt	BSc.(H) Zoology (Semester 5)	
2	Vaibhav Sharma	BSc.(H) Zoology (Semester 5)	
3	Twinkle Yadav	BSc. Prog. Life Sciences (Semester 5)	

2

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Dhaura Kuan, New Delhi-110021

4	Kanishka Kumar	BSc. Prog. Life Sciences (Semester 5)	
5	Shubhi Agrawal	BSc.(H) Zoology (Semester 3)	
6	Vipasha Soni	BSc.(H) Zoology (Semester 3)	
7	Muskan Prajapati	BSc.(H) Zoology (Semester 3)	
8	Rajshree Laishram	BSc. Prog. Life Sciences (Semester 5)	

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SRIVIPRA 2020

Signature of Mentor

3

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

Project Report -2020



“RECENT TRENDS IN MALARIA RESEARCH”



SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI
DHAULA KUAN
NEW DELHI -110021

- 1 -

C. Sheila Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SriVipra Summer Internship 2020

Title : Recent Trends in Malaria Research

Name of Mentor: Dr. Anita Verma
Department: Department of Zoology
Designation: Associate Professor



List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Anshdha Nandra	B.Sc. Life Sciences First year Semester I	A portrait of Anshdha Nandra, a young woman with long dark hair, wearing a black top. She is looking directly at the camera with a neutral expression.

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PRINCIPAL
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Dhaulta Kuan, New Delhi-110021

SriVipra Summer Internship 2020

2	Ishita Anand	B.Sc. (H) Zoology first year Semester I	
3	Muskaan Gupta	B.Sc. (H) Zoology first year Semester I	
4	Simran Prajapati	B.Sc. (H) Zoology first year Semester I	
5	Nirupama Sai Devasekhar	B.Sc. Life Sciences First year Semester I	

Signature of Coordinator
SRIVIPRA 202



Signature of Mentor

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Dhaura Kuan, New Delhi-110021

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

PROJECT REPORT – 2020

**ANALYSIS OF RAW SEQUENCING DATA OF CANCER SPECIFIC GENES ASSOCIATED
WITH EYELID TUMORS AND THEIR GENE NETWORKING.**

MENTOR

Dr. P. Jayaraj

Department of Zoology

Sri Venkateswara College

University of Delhi (South Campus)

PRINCIPAL

Dr. S. Venkata Kumar

Sri Venkateswara College

University of Delhi (South Campus)



Tirumala Tirupati Devasthanams

Sri Venkateswara College

University of Delhi (South Campus)


Dhaulta Kuan

New Delhi -110021





C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021**

**Title : ANALYSIS OF RAW SEQUENCING DATA OF CANCER SPECIFIC GENES
ASSOCIATED WITH EYELID TUMORS AND THEIR GENE NETWORKING.**

Name of Mentor: Dr. P. Jayaraj Name of Department: Department of Zoology Designation: Assistant Professor	
--	---

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Pranjal Vats	B.Sc. Life Sciences	
2	Vanshika Mohindroo	B.Sc. Life Sciences	
3	Shefali Dahiya	B.Sc. Life Sciences	
4	Anisha John	B.Sc. Life Sciences	

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5	Abhilasha Singh	B.Sc. (H) Zoology	
6	Arsha Liz M Jos	B.Sc. (H) Zoology	
7	Sonam Rawal	B.Sc. Biological Sciences	
8	Rridhi Kapila	B.Sc. Biological Sciences	
9	Palak	B.Sc. (H) Zoology	
10	Mysa Chandni	B.Sc. (H) Zoology	
11	Retika	B.Sc. (H) Zoology	

C. Sheela Reddy








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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRI VIPRA PROJECT – 2020

MENTOR DETAILS:-

NAME: Dr. P. Jayaraj
DEPARTMENT: Department of Zoology, Sri Venkateswara College
E-MAIL: jayaraj@svc.ac.in
SIGNATURE:

STUDENTS DETAILS:-

Name of Student	Course	Roll No.	Signature
Pranjal Vats	B.Sc. Life Sciences (2 nd Year)	1118106	
Vanshika Mohindroo	B.Sc. Life Sciences (2 nd Year)	1118139	
Shefali Dahiya	B.Sc. Life Sciences (2 nd Year)	1118098	
Anisha John	B.Sc. Life Sciences (2 nd Year)	1118086	
Abhilasha Singh	B.Sc. (H) Zoology (2 nd Year)	2018051	
Arsha Liz M Jos	B.Sc. (H) Zoology (2 nd Year)	2018015	
Sonam Rawal	B.Sc. Bio. Sciences (2 nd Year)	1318026	



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Dhaura Kuan, New Delhi-110021

Rridhi Kapila	B.Sc. Bio. Sciences (2nd Year)	1318011
Palak	B.Sc. (H) Zoology (1st Year)	2019026
Mysa Chandni	B.Sc. (H) Zoology (1st Year)	2019009
Retika	B.Sc. (H) Zoology (1st Year)	2019030

Rridhi

Palak

Mysa

Retika

Signature of Coordinator

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Signature of Mentor

A. Jayaram

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

Project Report -2020

“IMPACT OF COVID-19 ON
ENVIRONMENT AND WILDLIFE”



Sri Venkateswara College

University of Delhi

DhauLaKuan

New Delhi- 110021

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
DhauLa Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020Title : **IMPACT OF COVID-19 ON ENVIRONMENT AND WILDLIFE**

Name of Mentor: Dr. Vagisha Rawal
Name of Department: Department of Zoology
Designation: Assistant Professor

***List of students under the Project SRIVIPRA***

S.No	Name of the student	Course	Photo
1	Himanshu Potlia	BSc. Hons. Zoology, 1 st year	
2	Garima Sachan	BSc. Hons. Zoology, 1 st year	
3	Yashika Mago	BSc. (P) Life Sciences, 1 st year	
4	Yashita Sharma	BSc. (P) Life Sciences, 1 st year	
5	Prabha Rana	BSc. (P) Life Sciences, 1 st year	

Dr. Ravindra Verma Polisetty, Biochemistry
 Coordinator
 SRIVIPRA 2020

Signature of Mentor

*C. Sheela Reddy*²
 PRINCIPAL
 Sri Venkateswara College
 Dhaula Kuan, New Delhi-110021

Rridhi Kapila **B.Sc. Bio. Sciences (2nd Year)** **1318011**

Rridhi

Palak **B.Sc. (H) Zoology (1st Year)** **2019026**

Palak

Mysa Chandni **B.Sc. (H) Zoology (1st Year)** **2019009**

Mysa

Retika **B.Sc. (H) Zoology (1st Year)** **2019030**

Retika

C. Sheila Reddy

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Dhaura Kuan, New Delhi-110021

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

Project Report -2020

“IMPACT OF COVID-19 ON
ENVIRONMENT AND WILDLIFE”



Sri Venkateswara College

University of Delhi

DhaultaKuan

New Delhi- 110021

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020**Title : IMPACT OF COVID-19 ON ENVIRONMENT AND WILDLIFE**

Name of Mentor: Dr. Vagisha Rawal
Name of Department: Department of Zoology
Designation: Assistant Professor

***List of students under the Project SRIVIPRA***

S.No	Name of the student	Course	Photo
1	Himanshu Potlia	BSc. Hons. Zoology, 1 st year	
2	Garima Sachan	BSc. Hons. Zoology, 1 st year	
3	Yashika Mago	BSc. (P) Life Sciences, 1 st year	
4	Yashita Sharma	BSc. (P) Life Sciences, 1 st year	
5	Prabha Rana	BSc. (P) Life Sciences, 1 st year	

Dr. Ravindra Verma Polisetty, Biochemistry

Coordinator

SRIVIPRA 2020

Signature of Mentor

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 Dhaula Kuan, New Delhi-110021

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

Project Report -2020

India's Strategy in Indo-Pacific

(In Context of Growing Chinese Aggression in the Region)



**Sri Venkateswara College
University of Delhi
DhaultaKuan
New Delhi -110021**

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title: India's strategy in Indo-Pacific (In context of growing Chinese aggression in the region)

Name of Mentor: Dr. Namita Pandey	
Name of Department: Political Science	
Designation: Associate Professor	
Name of Mentor: Dr. Deepika Singh	
Name of Department: Political Science	
Designation: Assistant Professor	

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

S.No	Name of the student	Course	Photo
1	AditiKekre	BA (Honors) II Semester Department of Political Science	
2	Aishwary Singh	BA (Honors) IV Semester Department of Political Science	
3	AkshitaSaini	BA (Honors) IV Semester Department of Political Science	
4	Ayush Yadav	BA (Honors) IV Semester Department of Political Science	
5	Padma Priya	BA (Honors) IV Semester Department of Political Science	
6	Ria Nair	BA (Honors) II Semester Department of Political Science	
7	ShubhamMudgil	BA (Honors) IV Semester Department of Political Science	
8	Unnati Sharad	BA (Honors) II Semester Department of Political Science	

Manish Deepak

Signature of CoordinatorSignature of Mentor

C. Sheila Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report -2020

“Covid-19: Care in Crisis”




**Sri Venkateswara College
University of Delhi
Dhaulta Kuan
New Delhi -110021**






C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021**

SRIVIPRA PROJECT 2020

Title: Covid-19: Care in Crisis

Name of Mentor:	Dr. Haokam Vaiphei	
Name of Department:	Political Science	
Designation:	Assistant Professor	

S.No	Name of the student	Course	Photo
1	Ananya Jain	BA (Honours) V Semester Department of Political Science	
2	Deep Sengupta	BA (Honours) V Semester Department of Political Science	
3	Mayuk Kumar Paul	BA (Honours) V Semester Department of Political Science	
4	Prerna Yadav	BA (Honours) V Semester Department of Political Science	
5	Rashi Malik	BA (Honours) V Semester Department of Political Science	
6	Shantanu Suryan	BA (Honours) V Semester Department of Political Science	
7	Tejal Nirola	BA (Honours) V Semester Department of Political Science	
8	Yashita Gupta	BA (Honours) V Semester Department of Political Science	

Signature of Coordinator
SRIVIPRA 2020


Signature of Mentor

C. Sheila Reddy

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Sri Venkateswara College
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**SRI VENKATESWARA INTERNSHIP PROGRAM
FOR RESEARCH IN ACADEMICS
(SRI-VIPRA)**

Project Report -2020

“The Basics of Animal Acoustics”



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheila Reddy


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title : "The Basics of Animal Acoustics"

List of students under the SRIVIPRA Project

Name of Mentor: Dr. Robin Suyesh Name of Department: Environmental Studies Designation: Assistant Professor	
--	--

S.No	Name of the student	Course	Photo
1	Mansi Dhingra	BSc Zoology - Semester V	
2	Priyansh Preet	BSc Life Science - Sem III	
3	Dhritismita Pathak	BSc Zoology - Semester III	
4	Anshul Bhatt	BSc Life Science - Sem III	





C. Sheela Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

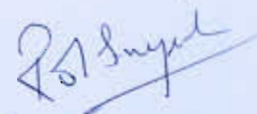
5	Khushi	BSc Life Science - Sem III	
6	Nishant Kumar	BSc Life Science - Sem III	
7	Ria Maheshwari	BSc Life Science - Sem III	
8	Bismillah Sheikh	BSc Life Science - Sem III	
9	Inderpreet Singh	BSc Life Science - Sem III	
10	Gargi Jangra	BSc Life Science - Sem III	

C. Sheila Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

	Volunteers		
11	Akshita Khosla	BSc Life Science - Sem III	
12	Riddhi Kapila	BSc Biological Science - Sem III	
13	Shivani Rathore	BSc Life Science - Sem III	
14	Ritika Yadav	BSc Life Science - Sem III	
15	Arshita Gahlot	BSc Life Science - Sem III	

**Signature of Coordinator
SRIVIPRA 2020**



Signature of Mentor



**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

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

Project Report -2020

“Basic Concept of Carbon Sequestration”

**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Name of Mentor: Dr Abhisehk Chandra
Name of Department: Environmental Science
Designation: Assistant Professor

**SRI-VIPRA PROJECT 2020****Title : Basic Concept of Carbon Sequestration***List of students under the SRIVIPRA Project*



S.No	Name of the student	Course	Photo
1	Aniruddh Jhanwar	B.Sc.(P) Life Sciences	
2	Aparna Pillai	B.Sc. (H) Biological Sciences	

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

3	Nidhi Verma	B.Sc.(P) Life Sciences	
4	Rythem	B.Sc.(H) Biochemistry	
5	Sagar Chauhan	B.Sc. (H) Biological Sciences	
6	Tanvi Agarwal	B.Sc.(H) Biochemistry	

C. Sheela Reddy

7	Tanya Bhatt	B.Sc.(P) Life Sciences	
8	Vaidehi Sharma	B.Sc. (H) Biological Sciences	

Signature of Coordinator
SRIVIPRA 2020

A. Prastava

Signature of Mentor

C. Sheila Reddy

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Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

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

Project Report -2020

“DIGITAL IMAGE PROCESSING USING MATLAB”



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**



C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Name of Mentor: Dr. Rakhi Narang Name of Department: Electronics Designation: Assistant Professor	
--	---

SRIVIPRA PROJECT 2020

Title : Digital Image Processing using MATLAB
List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Aman Mishra	B.Sc. (Hons.) Electronics Sem IV	
2	Fransi Mittal	B.Sc. (Hons.) Electronics Sem IV	
3	Jay Kumar Tomar	B.Sc. (Hons.) Electronics Sem IV	
4	Rishant Yadav	B.Sc. (Hons.) Electronics Sem II	
5	Tanuj Kumar	B.Sc. (Hons.) Electronics Sem IV	

Signature of Coordinator

C. Sheela Reddy

PRINCIPAL
 Sri Venkateswara College
 Dhaura Kuan, New Delhi-110021



Signature of Mentor

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

Project Report -2020

“Modelling of Thin Film Solar Cells”




**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheila Reddy




PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title: Modelling of Thin Film Solar Cells

Name of Mentor : Ms Shubhra Gupta Name of Department : Electronics Designation : Assistant Professor	
---	--

List of students under the SRIVIPRA Project

S. No	Name of the student	Course	Photo
1	Ritesh Singh Soun	BSc. (hons) Electronics	
2	Manan Kumar Gautam	BSc. (hons) Electronics	
3	Ishika Sharma	BSc. (hons) Electronics	

Signature of Coordinator

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

Shubhra

Signature of Mentor

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

Project Report – 2020

***Using Natural Language Processing (NLP) for Sentiment
Analysis in Social Media Messages***




Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021

1

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Name of Mentor: <i>Dr Lalita Josyula</i> Name of Department: Electronics Designation: Associate Professor	 Photo
---	---

List of students who participated in the Project :

S.No	Name of the student	Course	Photo
1	Abhin Rustagi	B. Sc. (H) Statistics, II Year	
2	Aishwarya Srivastava	Bsc. (H.) Statistics, II Year	
3	Khushi Jain	BSc.(H.) Statistics , II Year	
4	Ashutosh Arya	BSc.(H) , Statistics II Year	
5	Priyanshu Singh	BSc.(H) , Statistics II Year	

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Dhaura Kuan, New Delhi-110021

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

Project Report -2020

“Understanding Inequalities in India”




**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRI-VIPRA PROJECT 2020

Title: Understanding Inequalities in India



Name of Mentor: Yogita Yadav Name of Department: Economics Designation: Assistant Professor	
--	--

List of students under the SRIVIPRA Project

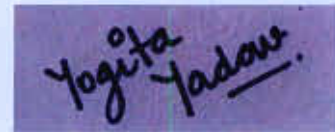
S. No.	Name of the student	Course	Photo
1	Aashita Gupta	B.A. (H.) Economics	
2	Ambika Anand	B.A. (H.) Economics	
3	Maanika Kumar	B.A. (H.) Economics	
4	Rajesh Gopal	B.A. (H.) Economics	
5	Rashi Bhandari	B.A. (H.) Economics	
6	Ritika Garg	B.A. (H.) Economics	

(2)

C. Shikha Reddy

7	Shikhar Mahajan	B.A. (H.) Economics	
8	Tanvee Sehgal	B.A. (H.) Economics	

Signature of Coordinator



Signature of Mentor

C. Sheela Reddy

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Dhaura Kuan, New Delhi-110021


**SRI VENKATESWARA INTERNSHIP PROGRAM FOR
RESEARCH IN ACADEMICS**

(SRI-VIPRA)

**THE EFFECTS OF FIRM SPECIFIC FACTORS AND
MACROECONOMIC VARIABLES ON
PROFITABILITY OF IT CONSULTING INDUSTRY IN
INDIA**

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

Name of Mentor: Mr Jitesh Rana Name of Department: Economics	
---	---

S No	Name of the student	Roll Number	Course	Photo
1	Amrit Kaur	518070	BA(H) Economics	
2	Charu Puniani	518078	BA(H) Economics	
3	Harsh Jolly	518053	BA(H) Economics	
4	Manya Bhatia	518107	BA(H) Economics	
5	Narayan Sharma	1019096	Bcom (H)	
6	Raunak Mehrotra	518068	BA(H) Economics	
7	Sakshi Goel	518083	BA(H) Economics	


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SRI-VIPRA PROJECT 2020





Title : Structural Breaks and Slowdowns in the Indian Economy

<p>Name of Mentor: Mr. Ankit Joshi</p> <p>Name of Department: Economics</p> <p>Designation: Professor</p>	<p>Photo</p> 
--	--

List of students under the SRIVIPRA Project




S.No	Name of the student	Course	Photo
1	Abhivyakti Gupta	B.A.(H.) Economics	

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2	Mourvica Taneja	B.A.(H.) Economics	
3	Barbie Tyagi	B.A.(H.) Economics	
4	Bhumi Sharma	B.A.(H.) Economics	
5	Kajal Sehrawat	B.A.(H.) Economics	

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6	Pratham Jain	B.A.(H.) Economics	
7	Aditi Ananya	B.A.(H.) Economics	
8	Aanchal	B.A.(H.) Economics	

Dinkajashni

Signature of Coordinator

Signature of Mentor

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

Project Report -2020

**“Covid-19-Opportunities and Challenges for the Indian
Economy ”**

Three Aspects:

- 1. Covid-19 Pandemic-Rethinking Environmental Issues*
- 2. An Indian Recovery to a Global Crisis-Covid-19 Pandemic*
- 3. The Forgotten Beat of the Economy: Migrant Workers Amidst the Covid-19 Crisis*



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Dhaura Kuan, New Delhi-110021**

Name of Mentor: Dr. M. Padma Suresh Name of Department: Economics Designation: Associate Professor	
---	--

SRI VIPRA PROJECT 2020

Title : Covid-19-Opportunities and Challenges for the Indian Economy





1. *Covid-19 Pandemic-Rethinking Environmental Issues*
2. *An Indian Recovery to a Global Crisis-Covid-19 Pandemic*
3. *The Forgotten Beat of the Economy: Migrant Workers Amidst the Covid-19 Crisis*

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1.	Balabhadruni Pavan Bhargava	B.A.Programme Semester-4	
2.	Sai Hemasri Kolukonda	B.A.Programme Semester-4	
3.	Likhitha Reddy Batthina	B.A.Programme Semester-4	
4.	Nannapuneni Manpreeth Patel	B.A.Programme Semester-4	
5.	Sara Agarwal	B.A.Programme Semester-4	
6.	Rupashi Verma	B.A.Programme Semester-4	

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7.	Akanksha Sharma	B.A.Programme Semester-4	
8.	Bhaskar Deka	B.A.Programme Semester-4	
9.	Anandini Vattikota	B.A.Programme Semester-4	
10.	Kartik Kathuria	B.A.Programme Semester-4	

Signature of Convenor, IQAC



Dr. N. Latha
Associate Professor
Department of Biochemistry
Sri Venkateswara College

Signature of Mentor



Dr. M Padma Suresh
Associate Professor
Department of Economics
Sri Venkateswara College

Place: New Delhi
Dated: 15-08-2020



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**SRI VENKATESWARA INTERNSHIP PROGRAM
FOR RESEARCH IN ACADEMICS
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Project Report -2020

**“SOVEREIGN DEBT CRISES IN ADVANCED AND
EMERGING ECONOMIES”**



**Sri Venkateswara College
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DhaultaKuan**


New Delhi -110021

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Dhaulta Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title: Sovereign Debt Crises in Advanced and Emerging Economies



Name of Mentor: S. Krishnakumar Name of Department: Economics Designation: Asst. Professor	
---	--

List of students under the SRIVIPRA Project (Eight students)

S.No.	Name of the student	Roll No.	Course	Photo
1	Aastha Mohanty	0518086	B.A.(H) Economics Semester IV	
2	Aditi Paliwal	0518077	B.A.(H) Economics	
3	Ashwin Singh	0518079	B.A.(H) Economics	
4	Ayushi Singh	0518032	B.A.(H) Economics	
5	Kaavya Malhan	0518063	B.A.(H) Economics	

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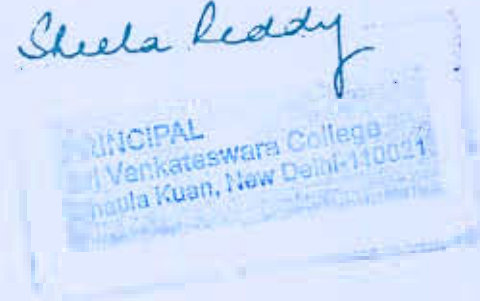
6	Muskan Saluja	0518007	B.A.(H) Economics	
7	Sejal Makhija	0518076	B.A.(H) Economics	
8	Tanya Jain	0518001	B.A.(H) Economics	

(Centrakumar S)

SRIVIPRA 2020

Signature of Coordinator Signature of Mentor

C. Sheila Reddy



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

Project Report -2020

**Through the lenses of Lockdown:
Statistical analysis of emission profile of key
Environmental Indicators.**



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New Delhi -110021**

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PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Mentor

Dr. POOJA GOKHALE SINHA

Assistant professor
Department of Botany
Sri Venkateswara College
University of Delhi



Sri-Vipra Interns



BHOOMIKA VERMA

B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College



CHAYANIKA DAS

B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College



DEEPANSHU KATARIA

B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College



DIPANSHU CHATURVEDI

B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College

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Dhaulta Kuan, New Delhi-110021



HIMANSHU GAUTAM
B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College



MILINDA LAHIRI
B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkataeswara College



NIKHIL KUMAR
B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College



PRACHI NARAYAN
B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College



RITU
B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College



SONU RANI
B.Sc.(Hons) BOTANY, 2nd Year
Sri Venkateswara College

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

Project Report -2020

**“Phylogenetic analysis of subfamilies viz. Ornithogaloideae
and Urginoideae (family Hyacinthaceae) based on trnL intron
and trnL-F spacer sequences of cpDNA”**



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DhauLaKuan
New Delhi -110021**

1

C. Sheela Reddy


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Sri Venkateswara College
DhauLa Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title: "Phylogenetic analysis of subfamilies viz. Ornithogaloideae and Urginoideae (family Hyacinthaceae) based on trnL intron and trnL-F spacer sequences of cpDNA"

<p>Name of Mentor: Dr. Amit Vashishtha Name of Department: Botany Designation: Assistant Professor</p>	
---	---

List of INTERNS under the SRIVIPRA Project :

S.No	Name of the student	Course	Photo
1	Naman Kumar	B.Sc (H) Botany II nd Year	

2




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2	Ashutosh Singh	B.Sc (H) Botany II nd Year	 <p>ASHUTOSH SINGH</p>
3	Akanksha Prasad	B.Sc (H) Botany II nd Year	
4	Suryakant Mandal	B.Sc (H) Botany II nd Year	




C. Sheela Reddy

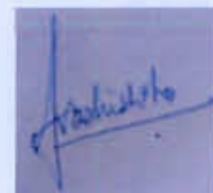
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Dhaulta Kuan, New Delhi-110021

5	Harshita Kaushik	B.Sc (H) Botany II nd Year	
6	Rhythm	B.Sc (H) Botany I st Year	
7	Ishika Sharma	B.Sc (H) Botany I st Year	

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8	Harshleen Kaur	B.Sc. Life Science 2 nd Year	
9	Sshrutika Rawat	B.Sc. Life Science 2 nd Year	
10	Dipanshu Chaturvedi (Volunteer)	B.Sc (H) Botany 2 nd Year	



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Signature of Mentor

5

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

Project Report -2020

**“IMPORTANCE OF MEDICINAL PLANTS IN COMBATING DISEASES
(ESPECIALLY IN REFERENCE TO COVID-19)**

”



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

SRIVIPRA PROJECT 2020

**Title : IMPORTANCE OF MEDICINAL PLANTS IN COMBATING DISEASES
(ESPECIALLY IN REFERENCE TO COVID-19)**

Mentor:

Dr. Pamil Tayal

Department of Botany, Sri Venkateswara
College

9810091294

pamiltayal@gmail.com



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Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

Students participating: 06

Mahek Agarwal	(B.Sc. H Botany)	
Mansi Rao	(B.Sc. H Botany)	
Anantpreet Kaur Sood	(B.Sc. H Biological Sciences)	
Abhirami Sunil	(B.Sc. H Biological Sciences)	
Sachin Sharma	(B.Sc. H Biological Sciences)	
Jayanti Chhillar	(B.Sc. H Biological Sciences)	



Signature of Coordinator

Signature of Mentor



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

Project Report - 2020

***“In Silico Characterization and Virtual Cloning of
Mycobacterium tuberculosis Response Regulators and
Ser/Thr Protein Kinases”***




**Sri Venkateswara College
University of Delhi
Dhaulta Kuan
New Delhi -110021**

C. Sheila Reddy





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Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRI-VIPRA PROJECT 2020

Name of Mentor: Dr. Vandana Malhotra Name of Department: Biochemistry Designation: Assistant Professor	
---	--

Title: *In Silico* Characterization and Virtual Cloning of *Mycobacterium tuberculosis* Response Regulators and Ser/Thr Protein Kinases

List of students under the SRI-VIPRA Project

S.No	Name of the student	Course	Photo
1	Satyakam Sharma	B.Sc. (H) Biochemistry	
2	Kriti Gupta	B.Sc. (H) Biochemistry	
3	Yashmita Choudhary	B.Sc. (H) Biological Sciences	
4	Sushumna Satyanarayana	B.Sc. (H) Biochemistry	

Signature of Coordinator
SRIVIPRA 2020



Signature of Mentor



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

Project Report-2020

*Computational screening of the selected ligands against
Dengue Virus (DENV) non structural proteins as drug targets*



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020





Title: Computational screening of the selected ligands against Dengue Virus (DENV) non structural proteins as drug targets

<p>Name of Mentor : Dr. Nimisha Sinha Name of Department : Biochemistry Designation : Assistant Professor</p>	
--	--

List of students under the SRIVIPRA Project:

S.No	Name of the students	Course	Photo
1.	Subhro Basu	B.Sc (H) Biochemistry Semester V	
2.	Sharanya Satyanarayana	B.Sc (H) Biochemistry Semester V	
3.	Sukriti Aggarwal	B.Sc (H) Biochemistry Semester V	

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4.	Hrithik Kumar Semester V	B.Sc (H) Biochemistry	
5.	Khushboo Arora Semester V	B.Sc (H) Biochemistry	
6.	Vidushi Sharma Semester V	B.Sc (H) Biochemistry	
7.	Nandika Sahani Semester III	B.Sc (H) Biochemistry	
8.	Atharv Kapoor Semester III	B.Sc (H) Biological Sciences	

Signature of Coordinator
SRI-VIPRA 2020

Nimish
Signature of Mentor

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

Project Report -2020

**“Study of regulatory mechanisms in glioma stem cells”
(an integrated Omics approach)**



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

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

Project Report -2020

**“Study of regulatory mechanisms in glioma stem cells”
(an integrated Omics approach)**




**Sri Venkateswara College
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Dhaura Kuan
New Delhi -110021**

C. Sheila Reddy





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Dhaura Kuan, New Delhi-110021**







SRI-VIPRA PROJECT 2020

Title: Study of regulatory mechanisms in glioma stem cells (an integrated Omics approach)

<p>Name of Mentor: Dr.Ravindra Varma Polisetty Name of Department: Biochemistry Designation: Assistant Professor</p>	
---	--

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Aakriti Singh	B.Sc (H) Biological Sciences	
2	Akanksha T.	B.Sc (H) Biochemistry	
3	Ambika Singh	B.Sc (H) Biological Sciences	
4	Anchal Kaler	BSc (H) Biological Sciences	

5	Anshu Kumari	B.Sc (H) Biological Sciences	
6	Ashvarya Shankar	B.Sc Life Sciences	
7	Cheshte Varshney	B.Sc (H) Biological Sciences	
8	Kartika Goyal	B.Sc (H) Chemistry	
9	Garima	B.Sc (H) Biochemistry	
10	Sohini Saha	B.Sc (H) Biological Sciences	

P. Ravindra Varma

Signature of Coordinator

Signature of Mentor

SRIVIPRA 2020



SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI

Bioinformatics in Cardiovascular Disorders

SRIVIPRA PROJECT 2020

PROJECT REPORT

MENTOR: DR.N.LATHA

BIOINFORMATICS CENTRE, SVCOLLEGE

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

Project Report -2020

*“Applications of Bioinformatics in Cardiovascular Disorders
for Novel Therapeutics Design”*



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Dhaura Kuan, New Delhi-110021


Name of Mentor
Dr Latha Narayanan
Name of Department:
**Department of
Biochemistry,
Sri Venkateswara College**
Designation: Associate
Professor



SRI-VIPRA PROJECT 2020

Title: Applications of Bioinformatics in Cardiovascular Disorders for Novel Therapeutics Design

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Arijeet Karmakar	Bsc.(H) Biochemistry	



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2	Eshita Jain	Bsc.(H) Biological Sciences	
3	Lavanya Gupta	Bsc.(H) Biochemistry	
4	Rahul Kumar	Bsc.(H) Biochemistry	
5	Rhythm Bharti	Bsc.(H) Biochemistry	

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Dhaura Kuan, New Delhi-110021

6	Vanshika Bidhan	Bsc.(H) Biochemistry	
7	Ananya Kaushik	Bsc.(H) Biological Sciences	
8	Namya Sethi	Bsc.(H) Biochemistry	

Signature of Coordinator
SRIVIPRA 2020

N. Latha
Signature of Mentor

*C. Sheila Reddy*₄

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**SRI VENKATESWARA INTERNSHIP PROGRAM
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(SRI-VIPRA)**

Project Report -2020

**“Deriving a metabolic index to
evaluate the metabolic status of an
individual”**



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**SRI VENKATESWARA INTERNSHIP PROGRAM
FOR RESEARCH IN ACADEMICS (SRI-VIPRA)**
Project Report -2020

**“Deriving a metabolic index to
evaluate the metabolic status of an
individual”**

**Name of Mentor: Dr. Nandita
Narayanasamy**

**Name of Department:
BIOCHEMISTRY**

Designation: Associate Professor







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Sri Venkateswara College
Dwarka Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

Title: Deriving a metabolic index to evaluate the metabolic status of an individual

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Divyanshi Verma	BSc.(H)Biochemistry	
2	Kajal Kamboj	BSc.(H)Biochemistry	
3	Kousheen Brar	BSc.(H)Biochemistry	
4	Saruby Sharma	BSc.(H)Biochemistry	

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5	Shriya Mehta	BSc.(H)Biochemistry	
6	Aastha Dorata	BSc.(H) Biological Sciences	
7	Suman Saini	BSc.(H) Biological Sciences	
8	Priyanshi Trigunayat	BSc. (H) Statistics	
9	Yogita Yadav	BSc. (H) Statistics	

**Signature of Coordinator
SRIVIPRA 2020**

Signature of Mentor

Nandini

C. Sheila Reddy

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Dhaura Kuan, New Delhi-110021**

**SRI VENKATESWARA INTERNSHIP PROGRAM
FOR RESEARCH IN ACADEMICS
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Project Report -2020

**“Graduate Teaching During Covid-19
Induced Lockdown”**



**Sri Venkateswara College
University of Delhi
DhaultaKuan
New Delhi -110021**

C. Sheela Reddy

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Dhaulta Kuan, New Delhi-110021

<p>Name of Mentor: Dr.AnjuKaicker Name of Department:Biochemistry Designation: Associate Professor</p>	<div data-bbox="836 557 1070 874" data-label="Image"> </div> <p data-bbox="751 844 836 874">Photo</p>
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SRIVIPRA PROJECT 2020

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	AbhigyanBhasin	B.Com (Hons.)	<div data-bbox="852 1483 1094 1809" data-label="Image"> </div>

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2	Anchal Kansal	B.Com (Hons.)	
3	Asmita Gahlout	BSc. Biochemistry (Hons.)	
4	Ayesha Mirza	BSc. Biochemistry (Hons.)	
5	Jahnvi Lakhanpal	B.Com Programme	

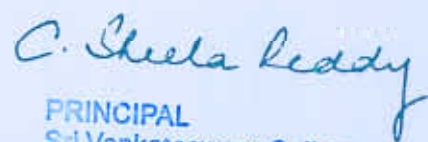
3

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 Sri Venkateswara College
 Dhaula Kuan, New Delhi-110021

5	Narayan Sharma	B.Com (Hons.)	
7	Pranav Mathur	BA History (Hons.)	
8	Urvika Kapoor	BA Political Science (Hons.)	

Signature of Coordinator
SRIVIPRA 2020

Signature of Mentor

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

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



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Roll no.	Topic
1	Aayushree Shekher	B.Sc. (H) Biochemistry	1219006	Phobia and Anxiety: Correlated with lifestyle
2	Ayushi Sharma	B.Sc. (H) Biological Sciences	1319025	Diet, Lifestyle and Obesity: with focus on Endocrinal Causes
3	Dravie Bansal	B.Sc. (H) Biological Sciences	1319012	Hereditary Diseases- Genetic and Environmental Aspects
4	Kangna Verma	B.Sc. (H) Biochemistry	1219042	Impact of Covid-19 Pandemic on Obsessive Compulsive Disorder
5	Tarun Saini	B.Sc. (H) Biochemistry	1219039	Impact of lockdown due to pandemic on sleeping habits and its quality
6	Vishnu Narayanan Verma	B.Sc. (H) Biological Sciences	1319017	Lifestyle correlation with mental health – depression: A case study

C. Sheila Reddy

PRINCIPAL
Shi Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report -2020

“PHOBIA AND ANXIETY: CORRELATED WITH LIFESTYLE”




**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**


C. Sheela Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

SRIVIPRA PROJECT 2020

Title: "PHOBIA AND ANXIETY: CORRELATED WITH LIFESTYLE"

<p>Name of Mentor: Dr.Kameshwar Sharma Yadavilli</p> <p>Name of Department: Department of Biochemistry.</p> <p>Designation: Head of Department, Biochemistry.</p>	
--	--

S.No	Name of the student	Course	Photo
1	Aayushree Shekher	B.SC.(H)Biochemistry	

Signature of Coordinator
SRIVIPRA 2020



Signature of Mentor

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRI – VIPRA

REPORT ON: ENDOPHYTE EXTRACTION

SUBMITTED BY:

ARSHA LIZ M JOS

BSC(HONS.) ZOOLOGY

SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

CERTIFICATE

This is to certify that **Arsha Liz M Jos**, student of BSc (Hons.) Zoology, has successfully completed her internship in Animal Plant Interaction Laboratory on **Endophyte Extraction** under the guidance of **Dr. Vartika Mathur**.

Teacher-In-Charge

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Sri-VIPRA2019

Fish Immunology

Fish Immuno-Toxicology Lab: Dr. Om Prakash

Students: Vaibhav Sharma, Amit Bhatt, Shivam, Sahil, Abhilasha Singh

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRI VENKATESWARA COLLEGE



SRI VENKATESWARA PROGRAMME

FOR RESEARCH AND INNOVATIVE ACADEMICS

Summer Training Programme - 2019

**TOPIC- EXPLORING MICROBIOME: INTEGRATING CONCEPT
IN MICROBIAL DIVERSITY, BIOINFORMATICS AND
PHYSIOLOGY**

PROJECT MENTOR: Dr. RICHA MISRA

Submitted by: **PRIYANSHI SHARMA**
B.Sc. (H) Biological Sciences
(Second year)

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

PROTEIN-DYE SPECTROSCOPIC STUDIES

SRI-VIPRA SCHEME

Summer Internship Project

**Department of Physics, Sri Venkateswara College, University of
Delhi, South Campus**



**Tirumala Tirupati Devasthanams
Sri Venkateswara College
University of Delhi (South Campus)
Dhaulta Kuan, New Delhi-110021
UNIVERSITY OF DELHI**

Principal: Dr. P. Hemalatha Reddy

Mentor: Dr. Manoj Giri

C. Sheela Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021**

STUDENTS INVOLVED IN THE PROJECT:

NAME	COURSE	ROLL NO.	E- MAIL	PHONE NO.
Jassika Gupta	BSc. Zoology (Hons) III rd Year	2017034	Jassikagupta2605@gmail.com	9643780627
Aakash Verma	BSc. Physics (Hons) III rd Year	1817039	vermaaakash4923@gmail.com	8383955184
Sejal Chandna	BSc. Physics (Hons) III rd Year	1817002	Sejal.chandna31@gmail.com	8191987140

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

A Study on the Properties of Thermoluminescent Materials

Sri-Vipra Scheme

Mentor – Dr. Anant Pandey

**(Department of Physics, Sri Venkateswara College
University of Delhi, South Campus)**

Principal- Dr. P. Hemalatha Reddy



**Tirumala Tirupati Devasthanams
Sri Venkateswara College
University of Delhi (South Campus)
Dhaura Kuan , New Delhi-110021
UNIVERSITY OF DELHI**

C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

Students Involved in the Project:

Name	Course	Roll No.	Email Id	Phone No.
Mrunmoy Jena	BSc. Physics (Hons) III rd Year	1817005	mrunmoy.jena@gmail.com	7836825561
Shriya Agarwal	BSc. Physics (Hons) III rd Year	1817001	shriya.agarwal1999@gmail.com	9599351991
Rochi Sharma	BSc. Physics (Hons) III rd Year	1817006	rochisharma31@gmail.com	8920669003

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

**“Habitat Partitioning and Ecology of the sympatric
amphibians of Delhi-NCR”**

Progress Report

Sri-Vipra



Department of Environmental Studies

Sri Venkateswara College



C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

FACULTY

Dr. Robin Suyesh (Assistant Professor, Environmental Studies, Sri Venkateswara College)

Students involved (Total)

Project Students

1. Anand Bedgujar, Life Science
2. Bhawna Yadav, Zoology

Student Volunteers

3. Mansi Dhingra, Zoology
4. Deepanshu Chaturvedi, Botany
5. Aastha Saini, Zoology
6. Aaditya, Maths
7. Apoorv Saini, Botany

Ex-Student Volunteers

8. Abdus Samad, Biological Sciences
9. Abhishek Singh, Biological Sciences

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Summer Training Report
On
Carbon Sequestration Potential of Trees
& Soil in Delhi ecosystem



Summer interns:

Ms. Krishnapriya Nair,
B.Sc. (H) Biochemistry Third Year
Ms. Suminder Kaur,
B.Sc. Life Science Third Year
Ms. Ruchi Kumari,
B.Sc. Life Science Third Year

Mentor

Dr Abhishek Chandra
Assistant Professor,
Environmental Science

Sri Venkateswara College

(University of Delhi)

NAAC 'A' Accredited, DBT Star Status
Benito Juarez Road, Dhaula Kuan, New Delhi 110021

Email id: ac@svc.ac.in

Mobile: 9868272798

June –July 2019

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021



Summer Internship Project Report
on
**Molecular characterization of bacterial endosymbionts of
oriental fruit fly, *Bactrocera dorsalis***

By
Sajid Khan and Rinki Baisoya
(B.Sc. Hons. II year)

Volunteers:

Dipanshu Chaturvedi

Himanshu Gautam

Sonu Rani

(B.Sc. Hons. I year)

Under the supervision of:

Dr. Amit Vashishtha

(Assistant Professor)

Department of Botany

Sri Venkateswara College

(University of Delhi)

Benito Juarez Road

Dhaura Kuan

New Delhi - 110 021

www.svc.ac

*C. Sheila Reddy*¹

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SUMMER INTERNSHIP PROGRAM

MENTOR:

Dr. AMIT VASHISHTHA
(ASSISTANT PROFESSOR)
DEPARTMENT OF BOTANY
SRI VENKATESHWARA COLLEGE
(DELHI UNIVERSITY)
NEW DELHI



SAJID KHAN
(BSC HONS BOTANY
3RD year)
Sri Venkateswara
College



RINKI BAISOYA
(BSC HONS BOTANY
3RD year)
Sri Venkateswara
College

VOLUNTEERS



**DIPANSHU
CHATURVEDI**
B.SC (H) BOTANY
2ND year
Sri Venkateswara
College



**HIMANSHU
GAUTAM**
B.SC (H) BOTANY
2ND year
Sri Venkateswara
College

SONU RANI

B.SC (H) BOTANY
2ND year
Sri Venkateswara
College



2
C. Sheila Reddy

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Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021



Sri Venkateswara College, University of Delhi
Benito Juarez Road, Dhaula Kuan, New Delhi.

PROJECT REPORT

2019

AREA OF RESEARCH: Molecular Biology of *Mycobacterium tuberculosis*

MENTOR: DR. VANDANA MALHOTRA

SUBMITTED BY:-

ATAL VATS

BSC.(H) BIOCHEMISTRY

1217010

C. Sheila Reddy



**Project Report of Summer Internship done under Sri -Venkateswara
Programme for Research and Innovative Academics (SRI-VIPRA)**

On

**TO STUDY GEOTACTIC AND PHOTOTACTIC BEHAVIORAL
RESPONSES OF *Drosophila melanogaster* AGAINST DIFFERENT
STIMULI AND THEIR INTERPRETATION**

PROJECT MENTOR

Dr. Nimisha Sinha

Assistant Professor

Department of Biochemistry

Sri Venkateswara College,

University of Delhi

Submitted by:

Ms. Nishanthi Ramesh

Ms. Sonal Gupta

B.Sc. (Hons.) Third Year Biochemistry

Department of Biochemistry

Sri Venkateswara College, University of Delhi

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

PROJECT REPORT- August 2019

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



Sri Venkateswara College,
University Of Delhi , Benito Juarez Road ,
Dhaura Kuan , New Delhi

**STANDARDIZATION OF ANTIOXIDANT, ANTI-
INFLAMMATORY AND ANTI-BACTERIAL ASSAYS TO
ASSESS POLYHERBAL FORMULATION AS A MODE OF
TREATMENT FOR ALLERGIC RHINITIS**

Chhavi Dua , Manjulika Bharti , Ayushi Kumari , Kumari
Akanksha

Mentor : Dr. Nandita Narayanasamy

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

**ANALYSIS OF HUMAN PLASMA PROTEIN SAMPLE
USING POLYACRYLAMIDE GEL ELECTROPHORESIS**

**SRI-VIPRA 2019
SUMMER INTERNSHIP REPORT**

Kartikey Saxena

&

Vani Srinivasan



**Sri Venkateswara College
University of Delhi (South Campus)
Dhaura Kuan, New Delhi -110021**

C. Sheela Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**

SRI-VIPRA 2019
SUMMER INTERNSHIP REPORT

Name of the College/Institution : Sri Venkateswara College

Mentor	Department
Dr.Ravindra Varma Polisetty	Department of Biochemistry, Sri Venkateswara College

Students involved in the Project

Name of the Student	Course	Roll No.
Kartikey Saxena	B.sc (H) Zoology II Year	2017041
Vani Srinivasan	B.sc (H) Biological Sciences II Year	1317003

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI

SUMMER INTERNSHIP REPORT

Department Of Biochemistry
(SRI VENKATESWARA COLLEGE)

Research Area: Bioinformatics

Topic Of Research: *In silico* study of Dengue virus proteins

Submitted by:

Sushmita Sahoo

Bsc. Biochemistry(hons.)

Roll no.-1217046

Year: Second

Guided by:

Dr. Latha Narayan

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

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

Project Report -2020


**“Gender Studies: Representation of Gender in
Literature and Film”**



**Sri Venkateswara College
University of Delhi
Dhaulta Kuan
New Delhi -110021**

C. Sheila Reddy



PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

Name of Mentor: Sreya Ann Oommen Name of Department: English Designation: Assistant Professor	 Photo
--	---

SRIVIPRA PROJECT 2020

Title : Gender Studies: Representation of Gender in Literature and Film

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Jyotismita Khataniar	B.A.(Hons) Sociology	
2	Bhagyashree Bhattacharjee	B.A.(Hons) Sociology	

C. Sheila Reddy

PRINCIPAL
 Sri Venkateswara College
 Dhaula Kuan, New Delhi-110021

3	Chirag Behl	B.A.(Hons) Sociology	
4	Muskaan Kapoor	B.A.(Hons) Sociology	
5	Kashvvi Dubey	B.A.(Hons) Sociology	

Signature of Coordinator
SRIVIPRA 2020



Sreya Ann Oommen
Signature of Mentor

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

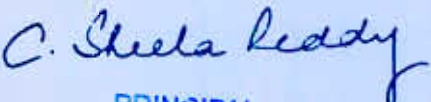
Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project entitled "Gender Studies: Representation of Gender in Literature and Film". The participants have carried out the research project work under my guidance and supervision from June 18, 2020 to July/August 1, 2020. The work carried out is original and carried out in an online mode.



Sreya Ann Oommen

Signature of Mentor



PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2109

“Realm of Literature, Sociology, History and Culture”



**IQAC
Sri Venkateswara College
University of Delhi Dhaula
Kuan
New Delhi -110021**

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

Name of Mentor: Dr. Ratna Raman
Name of Department: English
Designation: Associate Professor

Photo



SRIVIPRA PROJECT 2021

Title: Realm of Literature, Sociology, History and Culture

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
-------------	----------------------------	---------------	--------------

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

1.	Viveka Goswami	B. A. (H) English	
2.	Misha Mishra	Ba programme (political science + sociology)	
3.	MD Shahrukh	B. A. (H) English	
4.	Priya Saini	B.Sc(H)Mathematics	
5.	Mudit	B.Sc (H) Statistics	

C. Sheila Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Ratna Raman

Signature of Mentor

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



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



Project Report of 2021: SVP-2110

“ भिखारी ठाकुर के साहित्य में चित्रित स्त्री





**IQAC
Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**



C. Sheela Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**


**Sri Venkateswara College
University of Delhi**

Name of Mentor: Dr Ram Kishore Yadav & Dr Jai Vinod Kumar Name of Department: Hindi Department Designation: Assistant Professor		
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SRIVIPRA PROJECT 2021

Title : भिखारी ठाकुर के साहित्य में चित्रित स्त्री

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Pooja Kumari	B.A (H) Hindi V Sem	

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

2	Harshita upadhyay	B.A (H) Hindi V Sem	
3	Ram Kishore Chaudhary	B.A (H) Hindi III Sem	
4	Kamal Goyal	B.A (H) Hindi III Sem	
5	Aayush Badhouria	B.A (H) Hindi III Sem	
6			
7			
8			
9			
10			

Dr Ram Kishore Yadav & Dr Jai Vinod Kumar
Signature of Mentor

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP - 2112

*Ethnic Lives in Urban Spaces: Case Study of Shillong
City*



**IQAC
Sri Venkateswara
College
University of Delhi
Dhaulta Kuan**

1


C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021


New Delhi -110021

SRIVIPRA PROJECT 2021

Title: Ethnic Lives in Urban Spaces: Case Study of Shillong City

<p>Name of Mentor: Dr. Nabanipa Bhattacharjee</p> <p>Name of Department: Sociology</p> <p>Designation: Associate Professor</p>	
---	--

List of students under the SRIVIPRA (Online) Project

S. No.	Name of the student	Course	Photo
1.	Muskaan Kapoor	B.A. (Hons.) Sociology, Semester V	





C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

2.	Alfia Gauri	B.A. (Hons.) Sociology, Semester V	
3.	Alice	B. Sc. (Hons.) Mathematics, Semester III	
4.	Udhey Singh	B. A. (Hons.) Sociology, Semester III	
5.	Aditya Shrey	B. A. (Hons.) Sociology, Graduated	

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

6.	Arushi Sharma	B. A. (Hons) Sociology, Semester III	
7.	Rohitashwa Ranjan	B. A. (Hons) History, Semester V	
8.	Nirupama Sai	B. Sc. (Prog.) Life Sciences, Semester V	
9.	Sureshjyoti Parmeshwar	B. A. (Hons.) Sociology, Semester V	

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PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report of 2021: SVP-2111

“Myanmar: An Endangered Democracy”




**IQAC Sri Venkateswara College University of Delhi Dhaula Kuan New
Delhi -110021
2021**

C. Sheila Reddy

**PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021**

SRIVIPRA PROJECT 2021

Title: "Myanmar: An Endangered Democracy"

Name of Mentor:	Dr. Haokam Vaiphei	
Name of Department:	Political Science	
Designation:	Assistant Professor	

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Aditi Kekre	V Semester Political Science	
2	Ishita Bahuguna	V Semester Physics	
3	Jyotismita Khataniar	V Semester Sociology	
4	Pragya Pandey	V Semester Political Science	
5	Rahul Kaangar	V Semester Political Science	
6	Shivam Kumar	V Semester Political Science	
7	Unnati Sharad	V Semester Political Science	

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PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021



Signature of Mentor

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRI – VIPRA
Summer Internship Program
Session 2019-2020

**TITLE: “DOSIMETRY OF ION BEAMS USED IN
RADIOTHERAPY”**




Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi-110021



C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRI VIPRA PROJECT 2020

TITLE: "DOSIMETRY OF ION BEAMS USED IN RADIOTHERAPY"









<p><u>MENTOR:</u> Dr. Anant Pandey <u>DEPARTMENT:</u> Physics <u>DESIGNATION:</u> Assistant Professor</p>	
--	--

LIST OF PARTICIPANTS UNDER THE SRI VIPRA PROJECT

<u>S.No</u>	<u>Name</u>	<u>Roll No.</u>	<u>Course</u>	<u>Photo</u>
1.	Aarushi Rawat	1818011	B.Sc (H) Physics	
2.	Deeksha Singh	1818017	B.Sc (H) Physics	
3.	Muskan	1818021	B.Sc (H) Physics	
4.	Srishti Kunwar	1818022	B.Sc (H) Physics	

1

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

5.	Chetna Kabdal	1818027	B.Sc (H) Physics	
6.	Gunjan	1818028	B.Sc (H) Physics	
7.	Lakshita Bageja	1818060	B.Sc (H) Physics	
8.	Palak Gupta	1818062	B.Sc (H) Physics	
9.	Tamanna Bansal	1818063	B.Sc (H) Physics	
10.	Tanul	1818067	B.Sc (H) Physics	
11.	Aakanksha Negi	1818068	B.Sc (H) Physics	
12.	Arundhati Sharma	2018001	B.sc (H) Zoology	

2 *C. Sheela Reddy*
 PRINCIPAL
 Sri Venkateswara College
 Onaula Kuan, New Delhi-110021



**Project Report of Summer Internship done under Sri -Venkateswara
Programme for Research and Innovative Academics (SRI-VIPRA)**

On

**SIMULATION BASED INVESTIGATION OF
NANOSCALE MOSFET**

PROJECT MENTOR

**Dr. Rakhi Narang
Assistant Professor
Department of Electronics
Sri Venkateswara College,
University of Delhi**

Submitted by:

**Ms. Sumedha Singh
Mr. Mukul Basu**

**B.Sc. (Hons.) Third Year
Department of Electronics
Sri Venkateswara College,
University of Delhi**

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report-2020

"Prey-Predator Model of Real Life Problem and Dynamical Behavior"




Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi-110021

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


SRIVIPRA PROJECT 2020

Title : Prey–Predator Model of Real Life Problem and Dynamical Behavior

<ul style="list-style-type: none"> • Name of Mentor: Sudhakar Yadav • Name of Department: Mathematics • Designation: Assistant Professor 	
---	--

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Ms. Sanskriti Khemka	B.Sc(H) Maths Semester: V	
2	Ms. Himani Bhatia	B.Sc(H) Maths Semester: V	
3	Ms. Aastha Arora	B.Sc(H) Maths Semester:V	


PRINCIPAL
 Sri Venkateswara College
 Dhaula Kuan, New Delhi-110021

S.No	Name of the student	Course	Photo
4	Ms. Megha	B.Sc(H) Maths Semester: V	
5	Ms. Shruti Sharma	B.Sc(H) Maths Semester: V	
6	Mr. Ankit Kumar Goyal	B.Sc(H) Maths Semester: V	
7	Ms. Shubhi Gupta	B.Sc(H) Maths Semester: V	

Signature of Coordinator
SRIVIPRA 2020

Sudhakar Yadav

Signature of Mentor

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



SRIVIPRA PROJECT 2020

**Title: Application of Computational Fluid Dynamics in the
 Detection of Glaucoma**

<p>Name of Mentor: Dr. Swarn Singh</p> <p>Name of Department: Mathematics Department</p> <p>Designation: Associate Professor</p>	
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C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Anant Narayanan	Bsc. (Hons.) Mathematics	
2	Prassanna Nand Jha	Bsc. (Hons.) Mathematics	

Signature of Coordinator
SRIVIPRA 2020

Signature of Mentor

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project entitled “**Application of Computational Fluid Dynamics in the Detection of Glaucoma**”. The participants have carried out the research project work under my guidance and supervision from July 1, 2020 to July 31, 2020. The work carried out is original and carried out in an online mode.

Signature of Mentor

(Dr. Swarn Singh)



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

Project Report -2020

“Graph Theory: Problems & Applications”



**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**

Page | 1

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Name of Mentor: Dr. Deepti Jain
Name of Department: Mathematics
Designation: Assistant Professor
Sri Venkateswara College
University of Delhi, Delhi



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Dhaura Kuan, New Delhi-110021

SRI-VIPRA PROJECT 2020**Title- Graph Theory: Problems & Applications**

S.No	Name of the student	Course	Photo
1.	Sejal Arora (Roll Number – 1719132)	B.Sc. (Honours) Mathematics (Semester – 2)	

Signature of Coordinator

SRI-VIPRA 2020

Signature of Mentor

*C. Sheila Reddy***PRINCIPAL**
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

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

Project Report -2020

**"SIR (D) MODEL + SIR(DV) STRUCTURE:
Predictive Mathematical Modelling"**




Sri Venkateswara College

C. Sheila Reddy

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Sri Venkateswara College
Dhoola Kuan, New Delhi-110021

University of Delhi
Dhaura Kuan
New Delhi -110021
SRIVIPRA PROJECT 2020




Title : SIR(D)MODEL+SIR(DV)STRUCTURE:Predictive Mathematical Modelling

<p>Name of Mentor: Dr.Swarn Singh</p> <p>Name of Department: Department of Mathematics</p> <p>Designation:Associate Professor</p>	
--	--

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Kashish	BSc(Hons) Mathematics Semester 2	
2	Dolly Goel	BSc.(Hons) Mathematics Semester 2	
3	Shriya Koul	BSc.(Hons) Mathematics Semester 2	

Signature of Coordinator

Signature of Mentor

SRIVIPRA 2020

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Dhaura Kuan, New Delhi-110021

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project entitled "**SIR(D) +SIRD(V) Predictive Mathematical Modelling**". The participants have carried out the research project work under my guidance and supervision from June 15 2020 to June 30 2020. The work carried out is original and carried out in an online mode.

Signature of Mentor

Dr. Swarn Singh

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

Project Report - 2020

“Infectious Disease Modeling”




**Sri Venkateswara College
University of Delhi
Dhaura Kuan
New Delhi -110021**


C. Sheila Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRI-VIPRA PROJECT 2020

<p>Name of Mentor: Dr. Swarn Singh Name of Department: Mathematics Designation: Associate Professor</p>	
--	--

Title: *Infectious Diseases Modeling*

S.No	Name of the student	Course	Photo
1	Bhavini Malhotra	B.Sc. (H) Statistics	

Signature of Coordinator
SRIVIPRA 2020

S. Sheela Reddy

Signature of Mentor

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

Project Report -2020

"Partial Differential Equations in Image Processing"



Sri Venkateswara College

University of Delhi

Dhaura Kuan

New Delhi -110021

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

SRIVIPRA PROJECT 2020




Title: Partial Differential Equations in Image Processing

<p>Name of Mentor: Dr . Swarn Singh</p> <p>Name of Department: Department of Mathematics</p> <p>Designation: Associate Professor</p>	
---	--

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Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project :-

S.No	Name of the student	Course	Photo
1	Kashish	B.Sc.(Hons.) Mathematics	
2	Rajat Kumar	B.Sc.(Hons.) Mathematics	
3	Vanshika Bansal	B.Sc.(Hons.) Mathematics	

Signature of Coordinator

SRIVIPRA 2020

Signature of Mentor

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

Project Report -2020

“Partial Differential Equations in oil reservoirs”



Sri Venkateswara College

University of Delhi

Dhaulta Kuan

New Delhi -110021

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

SRVIPRA PROJECT 2020

Title : Partial Differential Equations in oil reservoirs

Name of Mentor : Dr. Swarn Singh

Name of Department : Department of
Mathematics




Designation : Associate Professor



C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Prashasti Sharma	B.Sc (Hons.) Mathematics Semester II	
2	Dolly Goyal	B.Sc (Hons.) Mathematics Semester II	
3	Shriya Koul	B.Sc (Hons.) Mathematics Semester II	

Signature of Coordinator

C. Sheela Reddy

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Signature of Mentor

SRIVIPRA 2020

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project entitled "Partial Differential Equations in oil reservoirs". The participants have carried out the research project work under my guidance and supervision from July 1, 2020 to July 31, 2020. The work carried out is original and carried out in an online mode.

Signature of Mentor

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Dhaura Kuan, New Delhi-110021

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

Project Report -2020

“The Corona Curve”



Sri Venkateswara College

University of Delhi

Dhaura Kuan


New Delhi -110021

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Sri Venkateswara College
Dhaura Kuan, New Delhi-110021




SRIVIPRA PROJECT 2020

Title : The Corona Curve

<p>Name of Mentor: Dr. Swarn Singh</p> <p>Name of Department: Mathematics Department</p> <p>Designation: Associate Professor</p>	
---	--



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Dhaura Kuan, New Delhi-110021

List of students under the SRIVIPRA Project

S.No	Name of the student	Course	Photo
1	Anant Narayanan	Bsc. (Hons.) Mathematics	
2	Prashasti Sharma	Bsc. (Hons.) Mathematics	
3	Prassanna Nand Jha	Bsc. (Hons.) Mathematics	

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4	Rajat Kumar	Bsc. (Hons.) Mathematics	
5	Vanshika Bansal	Bsc. (Hons.) Mathematics	

Signature of Coordinator

SRIVIPRA 2020

Signature of Mentor

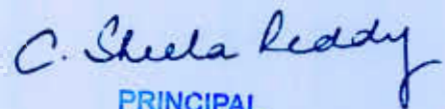
C. Sheila Reddy
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 Dhaura Kuan, New Delhi-110021

Certificate

This is to certify that the aforementioned students from Sri Venkateswara College have participated in the summer project entitled “**The Corona Curve**”. The participants have carried out the research project work under my guidance and supervision from June 15, 2020 to June 30, 2020. The work carried out is original and carried out in an online mode.

Signature of Mentor

(Dr. Swarn Singh)



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