



शिवजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

SUPPORTING DOCUMENTS FOR 2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences



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Field Trips, Lab/Institutional Visit

Department of Biochemistry (Visit to INMAS, DRDO)

INMAS, DRDO visit Report

Date: 08 July, 2023

An exhibition has been organized on 8th July 2023 in INAMS (Institute of Nuclear Medicine & Allied Sciences) a premier lab of DRDO under supervision of Dr. Himanshu Ojha, a senior scientist at DRDO. About 14 students from the **Department of Biochemistry, Shivaji College along with Dr. Abhijeet Mishra Asst. Prof., Dept. of Biochemistry** participated in this exhibition. The exhibition starts with an introduction to nuclear medicines.

In the first half, they showcase its products and emerging technologies to science graduate students. The main objective of INAMS is the development of radioprotectors, the development of diagnostics and therapeutic approaches using non-invasive imaging techniques, and the neurocognitive and endocrine functional assessment of the human body. They developed Ciprofloxacin Cold Kit for Infection Scintigraphy: 'Diagnobact', light Weight Foldable Stretcher, Lightweight backpack type Army field Cot., Adjuvant Cancer Therapy with 2-Deoxyglucose, UMBRIEL-the UV Herbal Screen for High Altitude. This was continued by a tea break, after this tea break participants get a chance for the lab visit with a clear vision of the CT scan machinery they are using for their experimental work. They also talked about the imaging techniques they are using. The visit was followed by a lunch break. After lunch break participants and professors were asked to give feedback, then certificates were given to the participants. This visit to INAMS at DRDO ends with a group photo.

Dr. Sunita Singh

***Report**



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Field Trips, Lab/Institutional Visit

Department of Biochemistry (Visit to INMAS, DRDO)

(VISIT - DRDO, INMAS)

S.No	Name	Contact No	Biochemistry (ATTENDANCE)	Signature
1	Sony Shashan	9782521842	dr.sony19@gmail.com	Sony
2	Himani Gaurav	8826426741	himani.gaurav@gmail.com	Himani
3	Shweta	8800107276	shweta18@gmail.com	Shweta
4	Anjali Arora	852854135	anjaliarora19@gmail.com	Anjali
5	Ranjit Kumar Dahi	845044448	ranjit454003@gmail.com	Ranjit
6	Nitika Kaur	707737546	nitika123@gmail.com	Nitika
7	Jakul Arora	8581721040	jakul.arora@gmail.com	Jakul
8	Sayana Simran			Sayana
9	Spansh Aggarwal			Spansh
10	Karanika Kohli			Karanika
11	Sanjana Gupta			Sanjana
12	Bhunka			Bhunka
13	Vandana			Vandana

* Department of Biochemistry, Shivaji College, University of Delhi

Name	Roll No.	Sign
1. Sayana Simran	21/06055	Sayana
2. Spansh Aggarwal	21/06032	Spansh
3. Karanika Kohli	21/06026	Karanika
4. Sanjana Gupta	21/06007	Sanjana
5. Sony Shashan	21/06050	Sony

Sunita
Dr. Sunita Singh

*Attendance



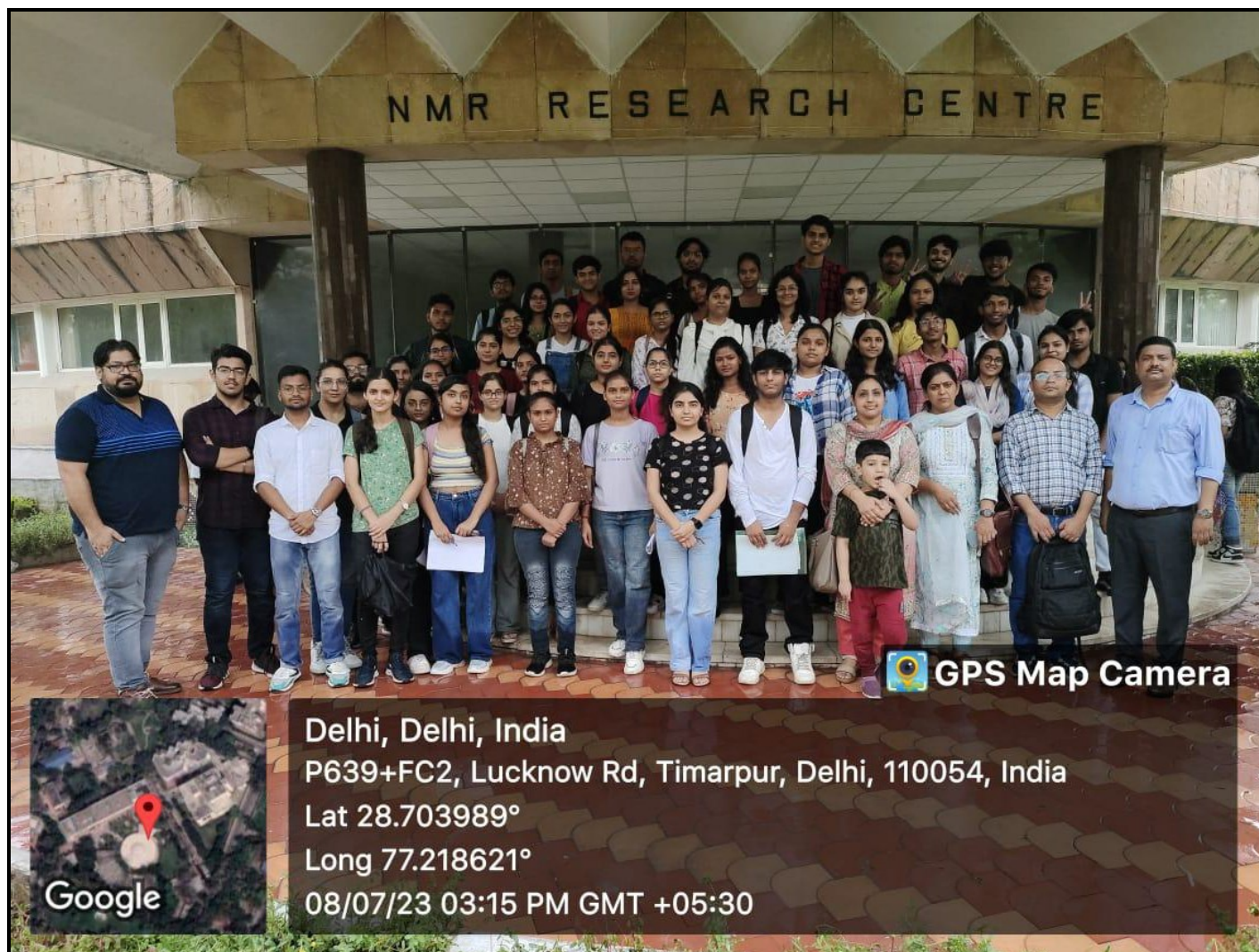
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Field Trips, Lab/Institutional Visit

Department of Biochemistry (Visit to INMAS, DRDO)



*Picture of the visit to INMAS, DRDO



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Field Trips, Lab/Institutional Visit

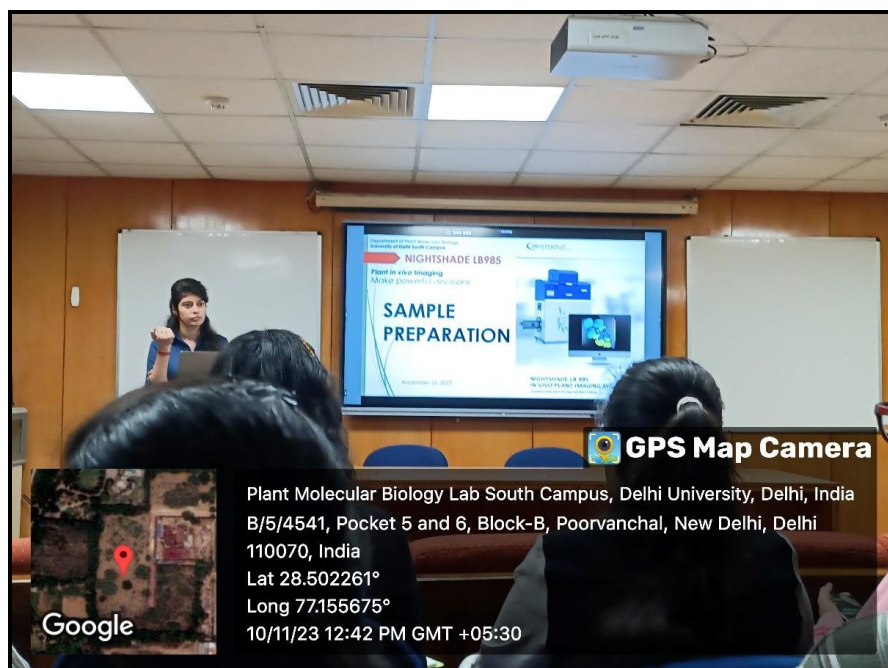
Department of Biochemistry (Visit to Department of Plant Molecular Biology, University of Delhi)

Report
Educational Trip
November 10, 2023

The **Department of Biochemistry, Shivaji College**, University of Delhi (under the aegis of DBT sponsored Star College Scheme) went for an **Educational Trip** to **Prof. Girdhar Pandey's lab, Department of Plant Molecular Biology, University of Delhi, South Campus** on **November 10, 2023** from **11:00AM** onwards. Prof. Girdhar Pandey and his PhD students familiarized the students with the plant tissue culture and gave them hands on training of each step involved. It was attended by 12 B.Sc. (H) Biochemistry Sem V students. This educational trip was organized by Dr. Sunita Singh and Dr. Usha Yadav.

List of the Participants (Total-12 students + 2 faculty members)

B.Sc. (H) Biochemistry Sem V



*Picture



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Field Trips, Lab/Institutional Visit

Department of Biochemistry (Visit to national Institute of Plant Genome & Research (NIPGR))

A brief report on "National Institute of Plant Genome and Research (NIPGR) open-day visit"

A visit to the National Institute of Plant Genome and Research (NIPGR) was organized by the faculty of Shivaji College under the proper guidance of Dr. Abhijeet Mishra, Department of Biochemistry and Dr. Rangnath Ravi, Department of Chemistry on **22nd Dec 2023**. Totally 15 students from semesters III and V from different backgrounds, such as biochemistry, botany, and zoology participated in this visit. There are exhibitions of students who are working on different projects or research areas. There are so many research titles that increase the curiosity of students and make them fond of research work. The main purpose of the researcher is to provide a good plant with fewer consequences and environmental or resource consumption.

They had worked on plant mechanisms to cope with flooding stress in which they have modified a species of paddy by post-translational modification due to which the crop can survive more than 10 days even in a flood situation they try to stop the plant growth and focus on the photosynthesis process to meet the nutrient requirement in case of a flood. They named the transformed plant as scuba diving rice.

There is another research in which the researchers developed a technique to stop seed aging which is done in the case of orthodox seeds, they identified a protein-repairing enzyme that is responsible for increasing the viability of a seed.

A mustard oil extractor was also prepared there to minimize the odour that comes from mustard oil, some people avoid to use mustard oil just because of this odor. There are many poster presented there which basically show more researches on plant genome and some efficient instruments used during research. This visit increased the scientific temperament among the students and motivated them to work hard in research field. In the end students are also provided with refreshment.



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Field Trips, Lab/Institutional Visit

Department of Biochemistry (Visit to national Institute of Plant Genome & Research (NIPGR))

Attendance

open day visit to NIPGR ON 22/12/23

Sr. No.	Name	Dept.	Roll No.	Signature
1	Aishwarya Yadav	Bio Botany	22/09001	Aishwarya
2	Ankit Kumar	BSc(H) Botany	22/09005	Ankit
3	Ayush Kumar Choudhary	"	22/09006	Ayush
4	Shreesham	BSc(H) Botany	22/09027	Shreesham
5	Anjali	"	22/09024	Anjali
6	Omni Yadav	"	22/09025	Omni
7	Neha Pandey	BSc(H) Botany	22/09028	Neha
8	Nisha Rawal	"	22/09011	Nisha
9	Anam Pandey	BSc(H) Zoology	22/20062	Anam
10	Ranjit	BSc(H) Biochemistry	21/06029	Ranjit
11	Nitika	"	21/06042	Nitika
12	Sahil	"	21/06031	Sahil
13	Dash	"	21/06046	Dash
14	Nilesh Mishra	BSc Botany	22/09012	Nilesh
15	Pooja	Ph.D., Botany		Pooja



*Picture of visit to NIPGR



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Neela Hauz)

Educational Visit (2023-24)

Students of B.Sc. (H) Botany, 2nd year were taken for the Educational Visit to Neela Hauz Biodiversity Park developed by DDA in South Delhi, on 31/10/2023. This Educational visit is a part of the curriculum. Neela Hauz- an exemplary model of Urban Rejuvenation and a home for all the different kinds of Flora and Fauna. Students were apprised of the natural and existing science of wastewater treatment by filter bed of Integrated Constructed Wetland System with zero energy input and high efficiency. Facilitated by Dinesh Albertson, who shared his knowledge and experiences which enabled students to have an upright grasp of this natural science. Students witnessed the Natural Water Treating System that includes in situ remediation of sewage water by two Oxidation ponds, a Filtration zone and Aquatic plants. Students were made aware of all the native and medicinal plants along with the resident and migratory birds, Dragonflies, and all the components of an active wetland area that contributes to the ecological health of Neela Hauz Biodiversity Park. Dr Smita Tripathi, Dr Misha Yadav and Dr Anurag Maurya from the Department of Botany accompanied the students.

***Report**



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Neela Hauz)

B.Sc (H), Botany IInd Year
Attendance - Trip to Neela Hauz

31/10/2023

S.No	R.No	Name	Consent form	In time signature	Out time signature
1	22/09001	Aishwarya Yadav	✓	Aishwarya	1:30 Aishwarya
2	22/09002	Akash Satheesh	✓	Akash	1:30 Akash
3	22/09004	ANJALI	✓	Anjali	1:23 Anjali
4	22/09005	Ankit Kumar	✓	Ankit	1:20 Ankit
5	22/09006	Ayush Kumar Chaudhary	✓	Ayush	1:24 Ayush
6	22/09008	DEEPIKA	Ab		
7	22/09009	GARGI	Ab		
8	22/09010	JANVI KUMARI	Ab		
9	22/09011	Nisha Rawat	✓	Nisha Rawat	1:26 Nisha
10	22/09012	Nitesh Singh	✓	Nitesh Singh	1:25 Nitesh
11	22/09013	NITISH ANJNA	Ab		
12	22/09014	Rajan Kumar	Ab		
13	22/09015	RAKESH	✓	Rakesh	1:22 Rakesh
14	22/09017	SAHIL VERMA	✓	Sahil	1:21 Sahil
15	22/09018	SALONI	✓	Saloni	1:30 Saloni
16	22/09019	SANDEEP RAI	✓	Sandeep	1:10 Sandeep
17	22/09021	TANNU	Ab		
18	22/09022	TRIBENI SHARMA	✓	Tribeni Sharma	1:21 Tribeni Sharma
19	22/09024	Anjali	✓	Anjali	Anjali 1:30
20	22/09025	OMJI YADAV	✓	Omyadav	1:20 Omyadav



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Department of Botany (Visit to Neela Hauz)

21	22/09026	Dolly chawla	—	Dollychawla	Dolly chawla 1:20
22	22/09027	Shubham Nandawal	—	Shubham	Shubham 1:21
23	22/09028	NEHA PANDEY	—	Nandey	1:26 Nandey
24	22/09029	HITESH DHARIWAL	Ab	—	—
25	22/09030	SHUBHAM KUMAR GUPTA	Ab	—	—
26	22/09031	Shreya	Ab	—	—
27	22/09032	Urvashi Singh	Ab	—	—
28	22/09033	Anshika Singh	—	Anshika	1:21 Anshika

*Attendance



*Pictures of visit to Neela Hauz



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Department of Biochemical Engineering & Biotechnology, IIT Delhi)

Visit to IIT Delhi on 15/04/2024

Students 6th Semester-B.Sc. (H) Botany visited the Department of Biochemical Engineering and Biotechnology on 15th April 2024 (Monday). Students got the opportunity to gain insight into the development of fermentation process utilising laboratory-scale fermenters established in the Bioprocess laboratory and the UG laboratory. Visiting the Waste Process Laboratory, they witnessed the application of aerobic and anaerobic CSTR for waste treatment and research work running in that lab. They also visited various facilities of analytical techniques applicable to downstream processing, including TOC-analyser, HPLC-MS, GC-MS, ion exchange chromatography, MALDI-TOF MS situated at the Departmental Instrumentation Lab and Lotus Advanced Analytical Lab. They saw research work going on and related facilities available for metagenomic analysis and culture of soil microbes and their application for crop improvement available at the Environmental Genomics Laboratory. Collectively, it was a great learning experience and exposure to the high-end research facilities for our undergrad students.

Students got insight into cutting age research by interacting with eminent plant scientist, Prof. Shilpi Sharma, environmental biotechnologist, Prof. Shaikh Z. Ahammad, scientists at the bioreactor facility and their research scholars. Technical detail operation and application of instruments was provided by the lab-in-charges of the instrumentation lab and UG lab, and research scholars working in Lotus Advanced Analytical Lab. The visit provided students a holistic insight of cutting age research and their application in the concerned field.

Prof. Prabhavathi V
Teacher in Charge
Department of Botany

***Report**



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Department of Biochemical Engineering & Biotechnology, IIT Delhi)

Department of Botany, Shivaji College (University of Delhi)				
B.Sc. (H) Botany, Semester VI				
Educational Field Visit to the Department of Biochemical Engineering and Biotechnology IIT Delhi, Delhi				
Date: 15/04/2024 (Monday)				
S. No.	Roll No.	Name of Student	In time (signature and time)	Out time (signature and time)
1.	21/09002	JYOTI	<i>Jyoti</i> 9:50 AM	<i>Jyoti</i> 2:46 PM
2.	21/09004	KUNDAN SINGH	<i>Kundan Singh</i> 9:50	<i>Kundan Singh</i> 2:44 PM
3.	21/09008	SARTHAK	<i>Sarthak</i>	
4.	21/09012	PRIYA NAUTIYAL	<i>Priya</i> 9:36 AM	<i>Priya</i> 2:45 PM
5.	21/09019	KANAK BHARDWAJ	<i>Kanak</i> 9:55 AM	<i>Kanak</i> 2:45 PM
6.	21/09022	DEEPA SINGH	<i>Deepa</i> 9:50 AM	<i>Deepa</i> 2:45 PM
7.	21/09025	KHUSHI V. B. SINGH	<i>Khushi</i> 9:50 AM	<i>Khushi</i> 2:45 PM
8.	21/09026	JEORUS M. SINGH	<i>Jeorus</i> 9:40 AM	<i>Jeorus</i> 2:45 PM
9.	21/09027	ANISHA SINGH	<i>Anisha</i> 9:50 AM	<i>Anisha</i> 2:46 PM
10.	21/09028	SANDHYA YADAV	<i>Sandhya</i> 9:36 AM	<i>Sandhya</i> 2:45 PM
11.	21/09038	NIKITA	<i>Nikita</i> 9:47 AM	<i>Nikita</i> 2:45 PM
12.	21/09042	SANWARI JAIN	<i>Sanwari</i> 9:40 AM	<i>Sanwari</i> 2:45 PM
13.	21/09043	SAKSHI SINGH	<i>Sakshi</i> 9:38 AM	<i>Sakshi</i> 2:45 PM
14.	21/09044	MAHIMA SHARMA	<i>Mahima</i> 9:40 AM	<i>Mahima</i> 2:40 PM
15.	21/09045	YAICHENBI SANASAM	<i>Yaichenbi</i>	
16.	21/09046	MANVI CHAUDHARY	<i>Manvi Chaudhary</i> 9:36 AM	<i>Manvi Chaudhary</i> 2:45 PM
17.	21/09047	MANISHA	<i>Manisha</i> 9:46 AM	<i>Manisha</i> 2:45 PM
18.	21/09048	PALAK GUPTA	<i>Palak Gupta</i> 9:50 AM	<i>Palak Gupta</i> 2:45 PM
19.	21/09049	SNEHA GOYAL	<i>Sneha</i> 9:46 AM	<i>Sneha</i> 2:45 PM
20.	21/09050	AAYUSHI MEHRA	<i>Aayushi</i> 9:50 AM	<i>Aayushi</i> 2:45 PM
21.	21/09051	SANJIVANI JAGLAN	<i>Sanjivani</i> 9:50 AM	<i>Sanjivani</i> 2:45 PM
22.	21/09052	ADITYA BARDHAN	<i>Aditya Bardhan</i>	
23.	21/09053	ANURITA	<i>Anurita</i> 9:46 AM	<i>Anurita</i> 2:45 PM
24.	21/09054	MEGHNA S. CHAUHAN	<i>Meghna</i>	
25.	21/09055	SANIYA PRAVEEN	<i>Saniya</i> 9:48 AM	<i>Saniya</i> 2:45 PM
26.	21/09056	AYUSHI YADAV	<i>Ayushi</i> 9:36 AM	<i>Ayushi</i> 2:40 PM
27.	21/09059	SUPRIYA	<i>Supriya</i> 9:50 AM	<i>Supriya</i> 2:40 PM
28.	21/09060	VANSHIKA YADAV	<i>Vanshika</i>	
29.	21/09061	GAURI	<i>Gauri</i>	
30.	21/09062	HARSHITA TANWAR	<i>Harshita</i> 9:50 AM	<i>Harshita</i> 2:40 PM
31.	21/09064	ANSH KUMAR	<i>Ansh</i> 9:50 AM	<i>Ansh</i> 2:57 PM

Anurag Maurya
15/04/2024
Dr. Anurag Maurya
Co-convenor, DBT Star College Scheme
Department of Botany

Dr. Bidan Kumar
15/04/24
Dr. Bidan Kumar
Co-convenor, DBT Star College Scheme
Department of Botany

*Attendance



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Department of Biochemical Engineering & Biotechnology, IIT Delhi)



*Pictures of visit to IIT, Delhi



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Department of Botany (Visit to IARI, Pusa)

The students of B.Sc Life science IV sem who opted for Applied Phycology paper as discipline specific element course were taken on a visit to the Department of microbiology , PUSA on 16/04/2024 . "The purpose of this visit was to observe and identify algae, and it was also helpful in gaining knowledge about their applied aspects. The students were accompanied with Dr. Priyanka Ojha.

The students gathered near ICAR and were then taken to the National Centre for Blue-Green Algae. Dr. Abraham, Principal Scientist at IARI, guided the students and provided essential information about the Azolla-Anabaena association and the use of algae as a biofertilizer. Additionally, the students had the opportunity to observe various herbarium specimens at NBPGR.

Prof.Prof. Prabhavathi V
Teacher in Charge
Department of Botany

***Report**



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Department of Botany (Visit to IARI, Pusa)

LS IV SEMESTER		DSE- Applied Phycology		
Name	Roll no.	Before Visit	After Visit	
1 Anjali Verma	22/23014	Anjali 10:20	Anjali 2:30	
2 Anuj Bansal	22/23016	Anuj 10:23	Anuj 2:30	
3 Isha Rawat	22/23032	Isha 10:20	Isha 2:30	
4 Jiya Singh	22/23038	Jiya 10:20	Jiya 2:30	
5 Krishnali Boruah	22/23042			
6 Nikita	22/23050	Nikita 10:20	Nikita 2:30	
7 Pooja Saini	22/23055			
8 S. Gautam	22/23065	S. Gautam 10:20	S. Gautam 2:30	
9 Sarthak	22/23068	Sarthak 10:24	Sarthak 2:31	
10 Saumya Jha	22/23069	Saumya 10:20	Saumya 2:30	
11 Shaurya	22/23071			
12 Simran Raj	22/23073			
13 Ashna Kalra	22/23095	Ashna 10:20	Ashna 2:26	
14 Akshita Yadav	22/23099	Akshita 11:01	Akshita 2:29	
15 Abhishek	22/23006	Abhishek 10:20	Abhishek 2:29	
16 Swamybhoo	22/23077	Swamy 10:23	Swamy 2:35	
17 Priya Pandey	22/23060	Priya Pandey 10:20	Priya 2:26	

Prabhavathi

Prof. Prof. Prabhavathi V
Teacher in Charge
Department of Botany

*Attendance



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to IARI, Pusa)



*Picture of visit to IARI



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Plant Tissue Culture Laboratory, University of Delhi)

Field Visit Report: Plant Tissue Culture Laboratory, University of Delhi

On 30th April 2023, a field visit was organized for 50 students from the Botany Department of Shivaji College, University of Delhi, enrolled in the Skill Enhancement Paper on Plant Tissue Culture of Semester IV by Dr. Pawan Kumar and Dr. Devender Singh Meena as conveners. The students visited the Plant Tissue Culture Laboratory in the Department of Botany at the University of Delhi. The students were hosted by Prof. Sandeep Das in his lab, where they observed advanced tissue culture techniques.

The visit commenced in the *Arabidopsis* Culture Room, where students observed the controlled conditions essential for plant growth, including specific temperature, light, and humidity settings required for cultivating *Arabidopsis thaliana*. Following this, they proceeded to the Plant Tissue Culture Room, where Dr. Ekta Bhardwaj, a PhD student, provided a detailed demonstration of the tissue culture process, explaining each critical step from medium preparation and sterilization to the delicate inoculation procedures necessary for successful tissue propagation. The students were able to see firsthand how plant tissues are cultured under sterile conditions to promote growth and development. Dr. Bhardwaj's insights were invaluable, highlighting not only the technical steps but also the applications and significance of plant tissue culture in research and biotechnology.

The session concluded with an engaging Q&A, where students discussed the real-world applications and challenges of plant tissue culture, gaining a comprehensive understanding of its importance in modern botanical research. Overall, the visit provided a unique and enriching experience that deepened the students' practical knowledge and appreciation for plant tissue culture techniques.

This hands-on exposure was particularly beneficial for the students, as it reinforced classroom concepts and introduced them to real-world applications of plant tissue culture. They were able to observe the meticulous process required to maintain contamination-free environments, critical for the successful cultivation of plant tissues. Such experiences are instrumental in motivating students to explore further studies and careers in plant biotechnology and related fields.

Overall, the visit provided a unique and enriching experience that deepened the students' practical knowledge and appreciation for plant tissue culture techniques, leaving them inspired to apply these insights in their own academic projects and future research endeavors.

Prof. Prabhavathi V
Teacher in Charge
Department of Botany

***Report**



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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Plant Tissue Culture Laboratory, University of Delhi)

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संदर्भ सं./Ref. No. SHV/AC/2024/1663/24 दिनांक/Dated 12/08/2024

TO WHOM IT MAY CONCERN

This is to certify that the below-mentioned 50 students of the Sem IV of SEC paper, Plant Tissue Culture, went on an educational field visit to the Plant Tissue Culture Laboratory, Department of Botany, North Campus, University of Delhi on 30th April 2024 (Tuesday). This field visit was organised by the Department of Botany, Shivaji College, University of Delhi. This visit allowed students to deepen their understanding of various tools and techniques of Plant Tissue Culture. Dr Pawan Kumar and Dr Devender Singh Meena were conveners of this visit.

SN	College Roll No.	Name	Course	SN	College Roll No.	Name	Course
1	22/49076	Nuseem Shafi	B.A. (Program)	26	22/22003	Bhanu Gautam	B. Sc. (H) Zoology
2	22/49200	Soumy Kumar	B.A. (Program)	27	22/22019	Vivek Singh	B.Sc(H) Zoology
3	22/49095	Chetas Meena	B.A. (Program)	28	22/22031	Sakshi Kanwar	B.Sc(H) Zoology
4	22/49073	Diya Talaniya	B.A. (Program)	29	22/22023	Priyaranjan Dehury	B.Sc (H) Zoology
5	22/49153	Aninudh	B.A. (Program)	30	22/22034	Sonam Singh	B. Sc. (H) Zoology
6	22/49071	Ayush Gautam	B.A. (Program)	31	22/22033	Muskan Gupta	B. Sc. (H) Zoology
7	22/49066	Aaditya K Yadav	B.A. (Program)	32	22/23037	Jitendra Singh	B.Sc. (Prog) Life Sciences
8	22/49152	Amrit Raj	B.A. (Program)	33	22/23023	Babita	B.Sc. (Prog) Life Sciences
9	22/49083	Rukhsar	B.A. (Program)	34	22/23045	Mohd Haseen	B.Sc. (Prog) Life Sciences
10	22/33001	Aditya	B.A. (Hons) Hindi	35	22/23036	Jatin	B.Sc. (Prog) Life Sciences
11	22/66018	Mansi	B.Sc. (H) Biochemistry	36	22/23030	Humair Ansari	B.Sc. (Prog) Life Sciences
12	22/66012	Gayathri Krishna	B.Sc. (H) Biochemistry	37	22/23077	Swayambhoo	B.Sc. (Prog) Life Sciences
13	22/09004	Anjali	B.Sc(H) Botany	38	22/23064	Rohit Kumar	B.Sc. (Prog) Life Sciences
14	22/09022	Tribeni	B.Sc (H) Botany	39	22/23086	Yash K Sharma	B.Sc. (Prog) Life Sciences
15	22/09006	Ayush K Choudhary	B.Sc (H) Botany	40	22/23039	Karan Pant	B.Sc. (Prog) Life Sciences
16	22/09015	Rakesh	B.Sc(H) Botany	41	22/23029	Hafsa Azmi	B.Sc. (Prog) Life Sciences
17	22/09014	Rajan Kumar	B.Sc (H) Botany	42	22/23043	Maddela Srikumar	B.Sc. (Prog) Life Sciences
18	22/09018	Saloni	B.Sc.(H) Botany	43	22/23050	Nikita	B.Sc. (Prog) Life Sciences
19	22/09008	Deepika	B.Sc.(H) Botany	44	22/23018	Anushka Sharma	B.Sc. (Prog) Life Sciences
20	22/09005	Ankit Kumar	B.Sc.(H) Botany	45	22/23095	Ashna Kalra	B.Sc. (Prog) Life Sciences
21	22/09001	Aishwarya	B.Sc.(H) Botany	46	22/23101	Saurabh Pandey	B.Sc. (Prog) Life Sciences
22	22/09012	Nitesh Singh	B.Sc.(H) Botany	47	22/09011	Nisha Rawat	B.Sc.(H) Botany
23	22/09028	Neha Pandey	B.Sc.(H) Botany	48	22/09026	Dolly Chawla	B.Sc.(H) Botany
24	22/09025	Omji Yadav	B.Sc.(H) Botany	49	22/09033	Amshika Singh	B.Sc.(H) Botany
25	22/22017	Sonali	B.Sc (Hons.) Zoology	50	22/09011	Janvi	B.Sc.(H) Botany

Prof. Virender Bhardwaj
 Principal

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Prof. Prabhavathi V
 Teacher in Charge
 Department of Botany



शिवाजी कॉलेज
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Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Plant Tissue Culture Laboratory, University of Delhi)



*Pictures of visit to Department of Botany, DU



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Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Delhi Pharmaceutical Sciences & Research University (DPSRU))

Visit to **Delhi Pharmaceutical Sciences and Research University (DPSRU)**, Delhi on **24th June 2024 (Monday)**.

Below-mentioned 24 participants of the Summer Training Programme went on an **educational field visit** to the **Delhi Pharmaceutical Sciences and Research University (DPSRU)**, Delhi on **24th June 2024 (Monday)**. The training programme entitled, '*Methods of Quality Control for Medicinal Herbs and Preparations*' was organised by the Department of Botany, Shivaji College, University of Delhi under the aegis of the DBT Star College Scheme, from June 18-26, 2024. Students visited herbal garden where they observed and detailed about some unique medicinally important plant. Highlights of the visit include exposure to animal cell culture facility, facility for the study behaviour and cognitive ability of animal models, facility for extraction, analysis of phytochemicals, and next-generation DNA sequencing facility. Overall, the visit allowed students to deepen their understanding of medicinal herbs, their cultivation, harvesting, storage, advanced techniques for phytochemical analyses, and the methods for making herbal formulations. It provided exposure to the procedures for checking the effect of herbal drugs on animal physiology and behaviour, and to the next-generation DNA sequencing technology. **Dr Anurag Maurya** and **Dr Pawan Kumar** were **conveners** of this visit.

***Report**



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(दिल्ली विश्वविद्यालय)

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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Delhi Pharmaceutical Sciences & Research University (DPSRU))

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Shivaji College
(University of Delhi)
NAAC ACCREDITED "A" GRADE COLLEGE

संदर्भ सं./Ref. No. September/1520/24 दिनांक/Dated 24/07/2024

TO WHOM IT MAY CONCERN

This is to certify that the below-mentioned 24 participants of the Summer Training Programme went on an educational field visit to the Delhi Pharmaceutical Sciences and Research University (DPSRU), Delhi on 24th June 2024 (Monday). The training programme entitled, 'Methods of Quality Control for Medicinal Herbs and Preparations' was organised by the Department of Botany, Shivaji College, University of Delhi under the aegis of the DBT Star College Scheme, from June 18-26, 2024. This visit allowed students to deepen their understanding of medicinal herbs, their cultivation, harvesting, storage, advanced techniques for phytochemical analyses, and the methods for making herbal formulations. It provided exposure to the procedures for checking the effect of herbal drugs on animal physiology and behaviour, and to the next-generation DNA sequencing technology. Dr Anurag Maurya and Dr Pawan Kumar were conveners of this visit.

S. No.	Participant's Name	Course	College Name**	S. No.	Participant's Name	Course	College Name**
1.	Aayush Kumar	B. Sc. (H) Biochemistry	SHC	13.	Uday	B. Sc. (Life Science)	SHC
2.	Prachi	B. Sc. (H) Biochemistry	SHC	14.	Anusha	B. Sc. (Life Science)	SHC
3.	Rishabh Singh	B. Sc. (H) Biochemistry	SHC	15.	Ankit	B. Sc. (Life Science)	SHC
4.	Vibash kushwaha	B. Sc. (H) Biochemistry	SHC	16.	Anushka Gautam	B. Sc. (Life Science)	SHC
5.	Shubham	B. Sc. (H) Botany	SHC	17.	Kashish	B. Sc. (Life Science)	SHC
6.	Neha Pandey	B. Sc. (H) Botany	SHC	18.	Lucky	B. Sc. (Life Science)	SHC
7.	Aishwarya Yadav	B. Sc. (H) Botany	SHC	19.	Santosh Singh	B. Sc. (Life Science)	SHC
8.	Anjali	B. Sc. (H) Botany	SHC	20.	Simran	B. Sc. (Life Science)	SHC
9.	Ankit Kumar	B. Sc. (H) Botany	SHC	21.	Niharika Das	B.Sc. (H) Biomedical Science	BCAS
10.	Nitesh Singh	B. Sc. (H) Botany	SHC	22.	Jyotsna Chatterjee	B.Sc. (H) Biomedical Science	BCAS
11.	Omj Yadav	B. Sc. (H) Botany	SHC	23.	Sudheer Gautam	B.Sc. (H) Biomedical Science	BCAS
12.	Rakesh	B. Sc. (H) Botany	SHC	24.	Suhani Prasad	B.Sc. (H) Biomedical Science	BCAS

** SHC = Shivaji College, University of Delhi; BCAS = Bhaskaracharya College of Applied Sciences, University of Delhi

Prof. Virender Bhardwaj
 Principal

Prof. Prabhavathi V
 Teacher in Charge
 Department of Botany

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Field Trips, Lab/Institutional Visit

Department of Botany (Visit to Delhi Pharmaceutical Sciences & Research University (DPSRU))



*Pictures of visit to DPSRU



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Business Economics (Visit to Mother Dairy Plant)

Introduction:

The Department of Business Economics at Shivaji College, University of Delhi, embarked on an insightful industrial visit to the Mother Dairy Plant in Patparganj, New Delhi, on February 15th, 2024, under the vision of Dr. Suman Kharbanda ma'am. The visit aimed to provide students with a firsthand understanding of the intricate processes involved in dairy production, from sourcing raw milk to packaging the final products. This report encapsulates the educational journey and experiences of the business economics students during the visit.

Company Profile:

Mother Dairy is a renowned dairy company known for its commitment to quality and sustainability. With a presence across India, it plays a significant role in ensuring a steady supply of fresh dairy products.

Objectives:

- Gain practical insights into the dairy production industry.
- Understand the operational processes involved in milk processing and packaging.
- Explore the principles of precision and sustainability in dairy production.
- Identify the economic factors influencing the dairy business.

***Report**



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Shivaji College

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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Business Economics (Visit to Mother Dairy Plant)

BBE: Mother Dairy Plant Visit			
Attendance (15/02/24)			
NAME	Roll No.	Sen	Sign
1) Shekari	21/2098	6 th	Shekari
2) Tanisha	22/2058	4 th	Tanisha
3) Many	22/2031	4 th	Manyal
4) Soumya	21/2092	6 th	Soumya
5) Tisha	22/2051	4 th	Tisha
6) Akanksha	22/2006	4 th	Akanksha
7) Namita	22/2036	4 th	Namita
8) Adeena	23/2005	2 nd	Adeena
9) Priyanshi	23/2047	2 nd	Priyanshi
10) Avni	23/2017	2 nd	Avni
11) Jas	23/2025	2 nd	Jas
12) Varsh Githi	23/2096	2 nd	Varsh
13) Harshi	23/2022	2 nd	Harshi
14) Yash Singhal	23/2067	2 nd	Yash Singhal
15) Shijita Sata	22/2056	4 th	Shijita
16) Udit	22/2060	4 th	Udit
17) Sharu	22/2051	2 nd	Sharu
18) Soumya	23/2056	2 nd	Soumya
19) Vedant Rana	23/2065	4 th	Vedant
20) Ruju	22/2046	2 nd	Ruju
21) Nishay	23/2099	6 th	Nishay
22) Dheeraj	21/2169	6 th	Dheeraj
23) Varsh Gupta	23/2063	2 nd	Varsh Gupta
24) Swastik	23/2058	2 nd	Swastik
25) Bhumi	23/2073	2 nd	Bhumi
26) Anyan	23/2003	2 nd	Anyan
27) Aapit	22/2017	4 th	Aapit
28) Daksh	23/2065	4 th	Daksh
29) Sarvudh	22/2048	4 th	Sarvudh
30) Tanish	23/2059	2 nd	Tanish
31) Vishal	21/2094	6 th	Vishal
32) Pratyush	21/2133	6 th	Pratyush
33) Shubh	21/2057	6 th	Shubh
34) Kunal Jain	23/2078	2 nd	Kunal Jain
35) Vasun	23/2093	2 nd	Vasun
36) Anirudh	22/2018	4 th	Anirudh
37) Anya	23/2002	2 nd	Anya

*Attendance



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Field Trips, Lab/Institutional Visit

Department of Business Economics (Visit to Mother Dairy Plant)

38) Phabhash	21/2077	6 th	Phabhash
39) Jay	21/2179	6 th	Jay
40) Harshvardhan	21/2120	6 th	Harshvardhan
41) Rusheef	21/2106	6 th	Rusheef
42) Shubhika	21/2181	6 th	Shubhika
43) Aditi	21/2147	6 th	Aditi

[Signature]

*Attendance



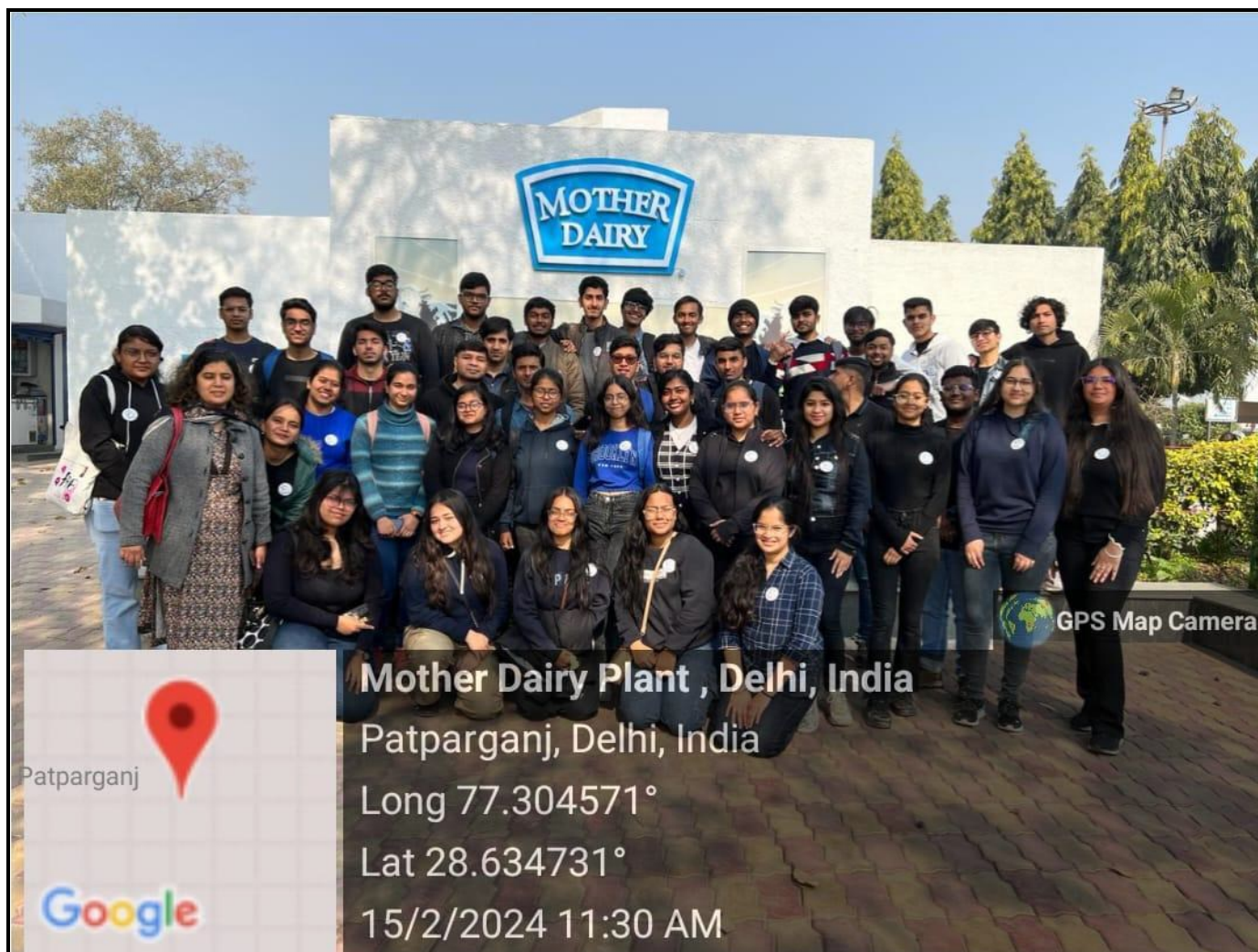
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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Business Economics (Visit to Mother Dairy Plant)



*Picture of visit to Mother Dairy Plant



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of English (Visit to Amrit Udyan)

On March 9, 2024, the English Department of Shivaji College organized a captivating excursion to Amrit Udyan in Delhi, complemented by a museum tour of the President's Estate quarters. Guided by faculty members, students explored the lush greenery of Amrit Udyan, gaining insights into its botanical marvels and historical significance. Additionally, they embarked on an enlightening journey through the President's Estate quarters, delving into the rich heritage and architectural splendor of this esteemed residence. This holistic experience fostered a deeper understanding of both nature's bounty and the cultural heritage of our nation's capital, leaving participants enriched and inspired.

*Report

Attendance 9.03.24	
Sem II	
Shipra - 42	Shipra
Renu - 39	Renu
Ashish - 05	Ashish
Kanika - 20	Kanika
Alisha - 03	Alisha
Sem 4	
Ankit 22/29005	Ankit
Kartik - 22/29019	Kartik
Abhishek 22/29002	Abhishek
Sem 6	
Abhay Mishra 21/29065	Abhay Mishra

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of English (Visit to Amrit Udyan)



*Pictures of visit to Amrit Udyan



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Geography (Visit to Manoli Toki Village)

P/1553/24
19/03/24

A.O. + A.O. AC
Print

19/3/24
18-03-24.

To
The Principal
Shivaji College,
University of Delhi

Sub: Permission for one days academic excursion

Respected Sir

The students of B. A. (Hons.) Geography, Semester VI, Paper- Disaster Management Based Project Report of Shivaji College is going to field visit (study tour) as one day excursion outreach programme to Manoli Toki Village, Sonapat Haryana on 20/03/24 (Wednesday). This is the part of their academic curriculum and provide opportunity for experiential learning. There are 53 Students and 3 Faculty Members (Prof. Tejbir S. Rana: Tour Incharge and Dr. Prabuddh Kumar Mishra, Dr. Usha Rani) are participating in this study tour.

Kindly grant permission to for the same.

Thanking You!

Yours Sincerely'

Prof. Tejbir Singh Rana
Department of Geography

18/3/24.

Permission may be allowed.





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Field Trips, Lab/Institutional Visit

Department of Geography (Visit to Manoli Toki Village)

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NAAC ACCREDITED "A" GRADE COLLEGE

संदर्भ सं० / Ref. No. SH/001/714/24

दिनांक/Dated 19/03/2024

TO WHOMSOEVER IT MAY CONCERN

The students of B. A. (Hons.) Geography, Semester VI, Paper- Disaster Management Based Project Report of Shivaji College is going to field visit (study tour) as one day excursion outreach programme to Manoli Toki Village, Sonapat Haryana on 20/03/24 (Wednesday). This is the part of their academic curriculum and provide opportunity for experiential learning. There are 53 Students and 3 Faculty Members (Prof. Tejbir S. Rana: Tour Incharge and Dr. Prabuddh Kumar Mishra, Dr. Usha Rani) are participating in this study tour.

S No.	College Roll no.	Exam Roll No	Student's Name	Signature
1	21/31072	21071513001	Akshera Mehrotra	
2	21/31060	21071513002	Alka Mishra	
3	21/31063	21071513003	Aman kr Yadav	
4	21/31052	21071513004	Anamika Yadav	
5	21/31016	21071513005	Angel	
6	21/31089	21071513006	Anirudhdha Yadav	
7	21/31056	21071513007	Anshul Kumar	
8	21/31015	21071513008	Apurva	
9	21/31012	21071513009	Ashika Oran	
10	21/31040	21071513010	Ashish Kumar	
11	21/31051	21071513011	Ayush Yadav	

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Mishra B. Rana.

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संदर्भ सं०/Ref. No.

दिनांक/Dated

S No.	College Roll no.	Exam Roll No	Student's Name	Signature
12	21/31012	21071513012	Bharti	
13	21/31025	21071513013	Deeksha	
14	21/31013	21071513014	Druv Chandra	
15	21/31027	21071513015	Dimple	
16	21/31042	21071513016	Gauri Arora	
17	21/31045	21071513017	Gourav	
18	21/31004	21071513018	Gunjan	
19	21/31001	21071513019	Kulvinder Dahiya	
20	21/31074	21071513020	Manohar Kumar	
21	21/31021	21071513021	Mritika Mondal	
22	21/31065	21071513022	Muskan	
23	21/31024	21071513023	Nakshatra	
24	21/31039	21071513024	Nandini	
25	21/31059	21071513025	Neha Yadav	
26	21/31006	21071513026	Niranjan Baro	
27	21/31010	21071513027	Nitiraj Bania	

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संदर्भ सं० / Ref. No. दिनांक/Dated

S No.	College Roll no.	Exam Roll No	Student's Name	Signature
28	21/31020	21071513028	Nitya Grover	
29	21/31050	21071513029	Nivedita Singh	
30	21/31011	21071513030	Ojal	
31	21/31023	21071513031	Pooja Ranvir Singh	
32	21/31009	21071513032	Prachi	
33	21/31073	21071513033	Priya	
34	21/31069	21071513034	Priyanka	
35	21/31080	21071513035	Rajkumari Richi	
36	21/31003	21071513036	Ritika	
37	21/31086	21071513038	Riya	
38	21/31067	21071513039	Rohit	
39	21/31058	21071513040	Sahil Jharkhar	
40	21/31066	21071513041	Shivam	
41	21/31043	21071513042	Shradhdha	
42	21/31022	21071513043	Shreya Singh	
43	21/31038	21071513044	Shuhana	

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प्रमुख शिक्षक/Principal

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संदर्भ सं० / Ref. No.

दिनांक/Dated

S No.	College Roll no.	Exam Roll No	Student's Name	Signature
44	21/31017	21071513045	Shrishti	<i>Shrishti</i>
45	21/31031	21071513046	Stanzin Yangdon	<i>Yangdon</i>
46	21/31070	21071513047	Subham Kumar Mallick	<i>Subham</i>
47	21/31008	21071513048	Sweta Mathur	<i>Sweta</i>
48	21/31091	21071513049	Utkarsh Mishra	<i>Utkarsh</i>
49	21/31055	21071513050	Vedanshi Singh	<i>Vedanshi</i>
50	21/31005	21071513051	Vibhabri	<i>Vibhabri</i>
51	21/31071	21071513052	Yash Raj	<i>Yash Raj</i>
52	21/31035	21071513053	Yashwant	<i>Yashwant</i>
53	21/31044	21071513054	Abhay Soni	<i>Abhay</i>

Prof. Virender Bhardwaj

Prof. Virender Bhardwaj
Principal

11/3/24

Page 4 of 4

राजा गार्डन, रिंग रोड, नई दिल्ली-110027/Raja Garden, Ring Road, New Delhi - 110027 • ऑफिस/Off.: 011-25116644
टेलीफैक्स/Telefax: 011-25155551 • ई-मेल/E-mail: shivajicollege.ac@gmail.com • वेब/Website : www.shivajicollege.ac.in



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(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sericulture Research Centre of Acharya Narendra Dev College)

Event Completion Report- Visit to Sericulture Research Centre of Acharya Narendra Dev College

Date: 21st October 2023

Time: 11:00 A.M

Institute: Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, New Delhi 110019

Course: B.Sc (P) Life Sciences

Subject: Sericulture (SEC)

Teacher Co-ordinator: Dr. Nidhi Garg

The 27 students of B.Sc. (P) Life Sciences of Semester V of Shivaji College, University of Delhi had visited Acharya Narendra Dev College, Seri-Lab on October 21st 2023 at 11 a.m. This visit was a part of their practical syllabus and all students prepared a detailed report on the same. The students were accompanied by their teacher: Dr. Nidhi Garg

At the Acharya Narendra Dev College, students were given a brief history of Sericulture including its discovery, the silk route, different varieties of silk that are produced by different silk moths which includes Mulberry silk and Vanya silk by Dr. Sushma Bharadwaj. Later they were taken to the indigenous mulberry garden of the college where they were shown to grow the S-146 variety of Mulberry from cutting, under the guidance of Dr. Sanjay Vohra, students were also taught how to pluck different sizes of leaves for different instar larvae, chopping and storing of leaves were also shown. After that the students visited the Sericulture lab where there were shown the life cycle of Mulberry silkworm (Egg, Larva, Pupa & Adult) with different instars of larvae (1st, 2nd, 3rd, 4th & 5th instar), moulting of larvae, mounting of the larvae, boiling & reeling of cocoons. Cocoons of 4 different silk moths were also shown which were, Mulberry cocoons (Bivoltine & Multivoltine), Taser Cocoons (which were pedunculate), Eri cocoons (contribute in Ahimsa silk production), and Muga silk (having a unique coarse texture). The information of disease infestation and their control methods, mechanization, uses of disinfectants, and features of rearing house were also discussed.

Nidhi
(Dr. Nidhi Garg)

Sushma Yadav

*Report



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sericulture Research Centre of Acharya Narendra Dev College)

College name: Shivaji College
Course Name: B.Sc. Life Sciences
Paper Name: Sericulture
Semester: V
Date of visit: 21.10.2023

Visit to Acharya Narendra Dev College (UNIV. OF DELHI)

S. No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
1.	20071583001	21/23209	Aakash Jha	ABSENT		
2.	20071583002	21/23140	Ajay Chauhan	Ajay	Ajay	Nice and informative.
3.	20071583004	21/23074	Akshara Sharma	ABSENT		
4.	20071583006	21/230124	Ananya Tiwari	ABSENT		
5.	20071583008	21/23078	Anisha Chakravorty	ABSENT		
6.	20071583009	21/23070	Anjali Singh	ABSENT		
7.	20071583010	21/23185	Ankit Kumar	Ankit Kumar	Ankit Kumar	very nice experience
8.	20071583013	21/23099	Arshit Daksh	Arshit Daksh	Arshit Daksh	Aesthetic
9.	20071583023	21/23129	Divisha	Divisha	Divisha	Interesting to see and explore in detail.
10.	20071583024	21/23152	Eidzes Dolma	Dolma	Dolma	Interesting
11.	20071583025	21/23062	Erin Tyagi	ABSENT		
12.	20071583026	21/23204	Garv Yadav	ABSENT		
13.	20071583027	21/23169	Gungun	Gungun	Gungun	Had a Nice experience.

Nidhi
21/10/2023

S.No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
14.	20071583028	21/23034	Gungun Garg	Gungun	Gungun	It was a great visit and experience full.
15.	20071583034	21/23202	Himanshu	Himanshu	Himanshu	very help.
16.	20071583038	21/23080	Jhalak Kalra	Jhalak	Jhalak	Very helpful and good staff.
17.	20071583039	21/23098	Juvin Singh	Juvin	Juvin	very helpful
18.	20071583045	21/23121	Khushi	Khushi	Khushi	It was very knowledgeable visit
19.	20071583046	21/23053	Khushi Kumari	Khushi	Khushi	It was great experience.
20.	20071583047	21/23027	Komal	Komal	Komal	Nice experience.
21.	20071583050	21/23100	Lavanya Gupta	ABSENT		
22.	20071583061	21/23135	Nikhita Thapliyal	ABSENT		
23.	20071583063	21/23116	Nikita Yadav	Nikita	Nikita	significant experience
24.	20071583067	21/23207	Nur Mohammad Rajan Shiekh	ABSENT		
25.	20071583070	21/23015	Prerna	Prerna	Prerna	Nice and informative

Nidhi
21/10/2023

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sericulture Research Centre of Acharya Narendra Dev College)

S.No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
26.	21071583071	21/23191	Prince Bhadana	<i>Prince</i>	<i>Prince</i>	This is very informative and interesting.
27.	21071583072	21/23036	Priya	ABSENT		
28.	21071583073	21/23156	Priyanka Yadav	<i>Priyanka</i>	<i>Priyanka</i>	It was great and information visit.
29.	21071583074		Priyanka	ABSENT		
30.	21071583075	21/23199	Purnima Maurya	ABSENT		
31.	21071583077	21/23178	Rishi Pandey	<i>Rishi</i>	<i>Rishi</i>	It was a very helpful session in visualizing the process of sericulture.
32.	21071583078	21/23206	Ritika Dewan	<i>Ritika</i>	<i>Ritika</i>	very helpful & informative visit
33.	21071583081	21/23149	Riya Kumari	ABSENT		
34.	21071583087	21/23138	Shruti Mishra	<i>Shruti</i>	<i>Shruti</i>	Very interesting & informative.
35.	21071583090	21/23013	Soumya Kushwaha	<i>Soumya</i>	<i>Soumya</i>	It was very great and informational visit interesting and informative.
36.	21071583091	21/23184	Stanzin Diskit	<i>Stanzin Diskit</i>	<i>Stanzin Diskit</i>	
37.	21071583092	21/23063	Susmita Chetry	ABSENT		

Nidhi
21/10/2023

38.	21071583093	21/23133	Tanishka Dhiran			
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S. No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
39.	21071583095	21/23079	Tanya Chauhan	ABSENT		
40.	21071583096	21/23176	Tundup Lamo	<i>T. Lamo</i>	<i>T. Lamo</i>	Awesome experience
41.	21071583099	21/23203	Yamini	<i>Yamini</i>	<i>Yamini</i>	It was very informative visit
42.	21071583100	21/23006	Yanshi Pal	ABSENT		
43.	21071583104	21/23193	Yogesh Singh Gusain	<i>Yogesh</i>	<i>Yogesh</i>	Happy.
44.	21071583105	21/23190	Zahira Tabassum	ABSENT		
45.	21071583107	21/23045	Abhinav Srivastava	<i>Abhinav</i>	<i>Abhinav</i>	It was informative
46.		21/23014	Samarjeet Singh	<i>Samarjeet</i>	<i>Samarjeet</i>	had fun.
47.						
48.						
49.						
50.						

• 27 students.
Nidhi
21/10/2023

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sericulture Research Centre of Acharya Narendra Dev College)



*Pictures of visit to ANDC



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sanjay Van)

Subject: Submission of a Report of Sanjay Van visit scheduled on 07, November 2023.

Date of Visit: 07.11.2023

Purpose of visit: To understand, explore and acquire knowledge of diversity of animal fauna in Biodiversity Park.

Course: BSc. Life Sciences, NEP UGCF

Semester: I

Paper: Diversity of Animals

Department of Zoology organized a Sanjay Van visit on 07-11-2023 at 9 am for B.Sc. Life Sciences NEP UGCF, Semester I as on account of academic practical syllabus of the paper Diversity of Animals. This visit is the part of the syllabus to understand and gain knowledge of diversity of animals.

Sanjay Van is a biggest forest area which is located in South Delhi near Vasant Kunj. It is a densely wooded forest which is home to a rich wildlife. Stretching over 3 sq. km of area, this is home to several avifauna species and diverse varieties of trees. It also includes invertebrates, Pila, insects, and several species of butterflies etc., Eurasian golden oriole, purple sunbird, Asian koel, Peacock, ducks, Brahminy starling, Indian silverbill, white-throated kingfisher, grey-breasted prinia, crested honey buzzard, rufous treepie, and Indian paradise flycatcher etc., the forest also conserves habitat for jackals, nilgais, diverse species of snakes etc.

This visit was attended by 93 students of practical batches 1, 2, 3, and 4 of B.Sc. Life Sciences, Semester I with the concerned teachers- Dr. Neetu Singh, Dr. Kulbhushan Thakur and Dr. Meghali Bharti, who guided and assisted the students throughout this visit.

Learning Outcome-

From this excursion, the students were able -

1. To observe and understand the diversity of fauna species
2. To identify various invertebrate and vertebrate animals based on characteristic features
3. To understand the economic importance of non-chordates and chordates and their importance in the ecosystem.

***Report**



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Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sanjay Van)

FULL NAME OF STUDENT	ROLL NO.	SEMESTER, BATCH AND COURSE			
			Ankit	23/23007	Sem 1, Batch B1, BSC life sciences
Sachin Kumar	23/23043	1st B1 life science	Anushkaa gautam	23/23009	1,B1, bsc life science
Somya	23/23058	Semester - 1 , Batch - B2 , Course - Bsc. Life sciences	Mani Dhawan	23/22028	1st semester B1 batch life science
Rinku	23/23039	1st sem,B1batch and bsc life science			
Prachi Saini	23/23037	1st sem Batch B1 Bsc life sciences			
Mayank Madhukar	23/23030	B.Sc. Life science			
Manoj Gupta	23/23080	1st , B2 And Bsc. (Prog.) Life Science	Kashish	23/23021	Sem-1, B-1 , bsc.life sciences
Akanksha Singh	23/23133	Semester - 1 ,section -b and course -life science	Shikha Singh	23/23048	1st B2 , Bsc life science
			Ritik	23/23040	1,B1and life science
Rohit	23/23041	Semester 1, B1 and Bsc Life science	Garima	23/23016	1
Shashwati Roy	23/23046	1st , B2 , Bsc Life science	Anshika Rawat	23/23008	Semester 1 , Batch- B1, course - Bsc life sciences
Santosh Singh	23/23044	1st, B1, Bsc Life science	bishal raj	23/23012	first year
Roshni kumari	23/23042	First semester B1 bsc life	Simran Yadav	23/23054	Sem-1, batch-b2 , course- bsc Life sci
Amisha yadav	23/23005	Semester 1 batch B1	Keshav	23/23022	Bsc life sciences 1st year sec A bech 1
Amisha yadav	23/23005	Semester 1 and batch B1	Piyush Ranjan	23/23085	Bsc Life science 1st semester
Kartikay Jangra	23/23020	Semester -1, batch - b1, course - bsc life science	Lucky	130	1,B4 and B.sc life Science
KHUSHI	23/23024	BSC LIFE SCIENCES .1 YEAR ,1 SEMESTER			
Harsh kumar	23/23017	Bsc life science, 1st yr,1st sem			
Himesh kumar	23/23018	1,B1,bsc. Life science	Anjali Kumari	23/23105	1st, B3 and Bsc.(prog.) Life Sciences
Neeraj Kumar Verma	23/23033	1(B1), B.Sc Life Sciences	Parul Baisla	23/23/135	1,B4,B.Sc Life science

*Attendance



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Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sanjay Van)

Neha Kumari	23/23081	1,B2,Bsc.Life Science	Diksha joshi	23/23122	1 sem, B4 bsc prog life science
Neha Kumari	23/23034	1 St semester, b 1 batch , life sciences program	Riya Tiwari	23/23117	1st semester, B4 batch and B.Sc. Life Science
Tanishq dhaka	23096	1- life science			
Satwiki	23/23093	1st semester, Batch- B3, Bsc Life Science			
Gaurav	23/23072	Sem 1 / Batch B2/ Bsc Life science	MAYANK CHAUHAN	23/23123	1 SEM B4 BSC LIFE SCIENCE
Amrita	23/23136	Semester 1, 2023,Bsc.life science, section -B	Sweety Kumari	23/23132	Life sci 1st sem
Tanvi Dhall	23/23097	Semester 1st Batch 3 and course Bsc life science			
SAGAR PATEL	23/23090	1 semester,B3, B.sc (Prog) Life Science			
Kiran Bhatt	23/23026	1st semester ,batch 1 and bsc life science			
Nidhi Mishra	23/23082	Semester 1, Batch- B3, B.Sc Life Science			
Rachit Yadav	23/23088	BSC Life Sciences 1st Yr			
SUROJIT KANDAR	23/23118	Semester-1, Section -B, Batch -4, BSc Life Science	Pinki	23/23084	1st,B3,Bsc. Life Science
			Arpit Kumar	23/23120	1,B-4, b.sc life sciences
			Anusha	23/23119	1st year,B-4,BSc.Life science

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sanjay Van)



*Picture of visit to Sanjay Van



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to AVEYA IVF Centre)

Shivaji College, Delhi University

Details of the Lab Visit

TITLE OF THE VISIT	Assisted Reproductive Technique- IVF
Date and Time: 19 th March, 2024 from 9AM to 5 PM	
Nature of Visit	Physically / offline
Venue	AVEYA IVF CENTRE Laboratory, B-8, Vishal Enclave, Rajouri Garden, New Delhi- 110027
DEPARTMENT/ COMMITTEE/ SOCIETY	Department of Life Science
In Collaboration with	None
TIC/ Convener Name	TIC-Dr. Deepika Yadav Convener- Dr. Manas Kumar Dhal
Number of Participant	37
Financial Assistance (if any)	No
Funding Agency details	No

Dr. Nisha Bhatnagar who is specialist in this field told our students why she was interested for conducting such outreach programme as there is a growing problem of infertility due to change in life- style of young people in Urban areas of our country. We extend our sincere thanks to Dr. Nisha, Dr. Nidhi and Dr. Nishant for their insightful lecture and virtual demonstration. We convey our gratitude and thanks to Principal Prof. Virender Bharadwaj and TIC of Life Science Dr. Deepika Yadav for motivating and allowing us for conducting such valuable and successful Lab. Visit to IVF Centre,

*Report



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to AVEYA IVF Centre)

Timestamp	Name in Capital Letter	College Roll No.	University Roll No.	E-mail	Parents Consent with signature of Father/ Mother
3/14/2024 21:06:18	MAYANK CHAUHAN	23/23123	23SHVCBGL5000051	mayankchauhan1834@gmail.com	https://drive.google.com/open?id=1jv2X0ZUDIM0xvEz8uikYQzuthQwG2M
3/14/2024 23:34:21	MANOJ GUPTA	23/23080	23071583050	manojguptarollno@gmail.com	https://drive.google.com/open?id=18mPlCmAK8yDCH88VvWvWPdGse_vxZ1ates
3/15/2024 18:02:16	Lalrinzovi	23/23114	23071583045	Pandy	https://drive.google.com/open?id=1W6CF_QAY20m9G_1877-ezEkaDyaKd
3/15/2024 18:59:12	VANYA TOMAR	23/23138	23071583101	vanyaastomar@gmail.com	https://drive.google.com/open?id=1wennpJZ7yGulD2Q0Wajc6zKZ2OBQvY
3/15/2024 19:19:41	ANUSHA	23/23119	23701583015	anusha46a@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 19:50:58	AMRITA	23/23136	23071583009	amrita999976@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 20:06:14	AKANKSHA SINGH	23/23133	23071583007	singhshavya123@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 20:35:59	GEETANSHU	23/23073	23071583030	geetanshu2005@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 21:17:00	DIKSHA JOSHI	23/23122	23071583026	dikshajoshi1404@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 21:31:01	SONIA NEGI	23/23060	23071583092	sonianegi1808@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 21:40:24	ARPIT KUMAR	23/23120	23071583017	arpitandasaarav@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 22:01:15	SWEETY KUMARI	23/23132	23/23132	Sweet2x02@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 22:09:15	BHARAT TATER	23/23130	23071583047	taterbharat09@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 22:25:51	LUCKY	23/23072	23071583002	gourav90982@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 22:27:44	GAURAV	23/23131	23071583080	shashwati.roy@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/15/2024 22:52:52	Aayush Anand Singh	23/23046	23071583087	raghavsaimran72@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 10:40:18	SHASHWATI ROY	23/23053	23071583103	yuvrajtripathi21279@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 11:25:16	SIMRAN RAGHAV	23/23137	23071583088	simranayadav9306@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 12:19:18	YUVRAJ TRIPATHI	23/23054	23071583071	triyas298@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 12:25:57	SIMRAN YADAV	23/23117	23071583082	shkhasingh08.2005@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 16:31:16	RIYA TIWARI	23/23048	23071583102	varshitwork@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 19:57:39	SHIKHA SINGH	23/23063	23071583035	J.singh112005@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 21:12:32	VARSHIT VERMA	23/23112	23081573060	tajenderbalala@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 21:27:34	JAHANVI SINGH	23/23135	23071583096	tanishqbhatt16@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/16/2024 22:01:56	PARUL BAISLA	23/23108	23071583024	deepalgupta.ropesh123@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/17/2024 16:11:48	TANISHO BHATT	23/23077	23071583043	komalpriya0606@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 1:37:02	DEEPA GUPTA	23/23121	23071583019	ashwanigautam011@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 11:06:02	KOMAL PRIYA	23/23110	23071583032	harshitachopra08@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 11:35:16	ASHWANI GAUTAM	23/23134	23071583018	asahu409544@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 11:49:41	Hanshita Chopra	23/23049	23071583084	joshishreya859@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 11:59:25	Ashish Kumar Sahu	23/23118	23071583091	somyrohi12@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 15:40:26	SHREYA JOSHI	23/23058	23071583094	kandansuroji967@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 16:01:50	SOMYA	23/23076	23071583042	chaudharykomal355@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 16:41:04	SUROJIT KANDAR	23/23047	23071583081	1712shafali@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 17:01:14	KOMAL CHAUDHARY	23/23067	23SHVCBGL5000003	abhaymalhotra469@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 18:53:48	ABHAY MALHOTRA	23/23071	23071583083	shipeal729@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 19:10:30	SHIPAL	23/23111	23SHVCBGL5000025	krishnabillore402@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 19:55:19	DEVANSH BILLORE		23/23111	irazra67@gmail.com	https://drive.google.com/open?id=1xehN7h8CFUGX8TSM_ZoqH_ye_PVAV
3/18/2024 21:06:48	IRAZ				

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to AVEYA IVF Centre)



*Picture of visit to AVEYA IVF Centre



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sunder Nursery)

Event Completion Report- Visit to Sunder Nursery in Sunder Nagar, New Delhi

Date: 23rd March, 2024

Time: 09:00 A.M

Institute: Visit to Sunder Nursery in Sunder Nagar, New Delhi

Course: B.Sc (P) Life Sciences

Subject: Apiculture (SEC)

Teacher Co-ordinator: Dr. Nidhi Garg

The B.Sc. (P) Life Sciences students of Semester VI of Shivaji College, University of Delhi visited, Sunder Nursery, formerly called Azim Bagh or Bagh-e-Azeem, on 23rd March 2024 at 9.00 a.m. It is a 16th century heritage park complex adjacent to the Humayun's Tomb, a UNESCO World Heritage Site in Delhi. Originally known as Azim Bagh and built by the Mughals in the 16th century, it lies on the Mughal-era Grand Trunk Road, and is spread over 90 acres. This visit was a part of their practical syllabus and all students prepared a detailed report on the same. The students were accompanied by their subject teacher: Dr. Nidhi Garg.

Address: Bharat Scouts and Guides Marg, Opposite Humayun's Tomb, Nizamuddin, National Zoological Park, Sunder Nagar, New Delhi, Delhi 110013

Designer: Mohammad Shaheer; Aga Khan Trust for Culture

Area: 90 acres (0.36 km²)

Phone: 011 4070 0700

Created: 16th Century

Status: Open all days from sunrise to sunset

Coordinates: 28°35'49"N 77°14'43"E / 28.596874°N 77.245339°E

Owned by: Government of India

It was an educational trip that helped students gain field knowledge about birds, bees, insects, and plants. The teachers assisted students with the different facts and knowledgeable facts about flora and fauna. The students started by studying honey bees, their foraging activities, and their types of dances through which they communicated with other bees to inform them about the location of flowers for nectar purposes. An artificial Beehive was also set up in the Nursery which helped students gain knowledge about the structure of the beehive, its maintenance, and its features. It also helped students with the knowledge of beekeeping and dealing with bees so as not to harm bees or themselves. Bees play an important role in pollinating flowering plants and are the major type of pollinator in many ecosystems that contain flowering plants. There are nearly 20,000 known species of bees including solitary species such as carpenter bees, leafcutter bees, and mason bees, and social bees such as honeybees, bumblebees, and stingless bees. The established colonies of indigenous bees such as *Apis cerana*, *Apis dorsata*, and *Apis florea* were mapped by the team and are being protected.

Nidhi

*Report



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sunder Nursery)

College Name: Shivaji College
Course Name: B.Sc. Life Sciences
Paper Name: Apiculture (SEC)
Semester: VI
Date of visit: 23.03.2024

Visit to Sunder Nursery

S. No.	Examination Roll No.	Class Roll No.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Apiculture Visit
1.	21071583001	21/23209	Aakash Jha	ABSENT		
2.	21071583002	21/23140	Ajay Chauhan	Ajay	Ajay	A pleasant visit, It was nice roaming and sightseeing there
3.	21071583004	21/23074	Akshara Sharma	ABSENT		
4.	21071583006	21/23124	Ananya Tiwari	ABSENT		
5.	21071583008	21/23078	Anisha Chakravorty	ABSENT		
6.	21071583009	21/23070	Anjali Singh	Anjali	Anjali	Beautiful place and fun experience
7.	21071583010	21/23185	Ankit Kumar	ABSENT		
8.	21071583013	21/23099	Arshit Daksh	ABSENT		
9.	21071583023	21/23129	Divisha	ABSENT		
10.	21071583024	21/23152	Eidzes Dolma	ABSENT		
11.	21071583025	21/23062	Erin Tyagi	ABSENT		
12.	21071583026	21/23204	Garv Yadav	ABSENT		

Teacher Signature: Nidhi 23/3/2024 Total Number of Students visited Sunder Nursery = 20

S. No.	Examination Roll No.	Class Roll No.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Apiculture Visit
13.	21071583027	21/23169	Gungun	Gungun	Gungun	Excellent Experience
14.	21071583028	21/23034	Gungun Garg	Gungun	Gungun	It is good for flower study & interesting to learn about of flower.
15.	21071583034	21/23202	Himanshu	Himanshu	Himanshu	Excellent
16.	21071583038	21/23080	Jhalak Kalra	Jhalak	Jhalak	It was really educative and beautiful
17.	21071583039	21/23098	Juvin Singh	ABSENT		
18.	21071583045	21/23121	Khushi	Khushi	Khushi	Excellent
19.	21071583046	21/23053	Khushi Kumari	Khushi	Khushi	Sunder Nursery is very beautiful flowerstoo.
20.	21071583047	21/23027	Komal	Komal	Komal	Great experience.
21.	21071583050	21/23100	Lavanya Gupta	ABSENT		
22.	21071583061	21/23135	Nikhita Thapliyal	ABSENT		
23.	21071583063	21/23116	Nikita Yadav	Nikita	Nikita	Excellent
24.	21071583067	21/23207	Nur Mohammad Rajan Shiekh	Nur	Nur	It was a very experience. It just like my grandmother's garden.
25.	21071583070	21/23015	Prema	Prema	Prema	Nice and Excellent

Teacher Signature: Nidhi 23/3/2024 Total Number of Students visited Sunder Nursery = 20

*Attendance



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Shivaji College

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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sunder Nursery)

S.No.	Examination Roll No.	Class Roll No.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Apiculture Visit
26.	21071583071	21/23191	Prince Bhadana			
27.	21071583072	21/23036	Priya	ABSENT		
28.	21071583073	21/23156	Priyanka	ABSENT		
29.	21071583075	21/23199	Purnima Maurya			Nice Place & Educative ...
30.	21071583077	21/23178	Rishi Pandey	ABSENT		
31.	21071583078	21/23206	Ritika Dewan			A very good place to visit on early hours
32.	21071583081	21/23149	Riya Kumari			Excellent experience.
33.	21071583086	21/23127	Shivam Singh Rawat	ABSENT		
34.	21071583087	21/23138	Shruti Mishra	ABSENT		
35.	21071583090	21/23013	Soumya Kushwaha	ABSENT		
36.	21071583091	21/23184	Stanzin Diskit			It was nice & informative visit.
37.	21071583092	21/23063	Susmita Chetry			Good
38.	21071583093	21/23133	Tanishka Dhiran	ABSENT		

Teacher Signature: *Nidhi*
23/3/2024

Total Number of Students visited Sunder Nursery = 20

S. No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Apiculture Visit
39.	21071583095	21/23079	Tanya Chauhan			
40.	21071583096	21/23176	Tundup Lamo	ABSENT		
41.	21071583099	21/23203	Yamini	ABSENT		
42.	21071583100	21/23006	Yanshi Pal	ABSENT		
43.	21071583104	21/23193	Yogesh Singh Gusain			A well Educative and guided tour.
44.	21071583105	21/23190	Zahira Tabassum	ABSENT		
45.	21071583107	21/23045	Abhinav Srivastava			great experience.
46.	21071583108	21/23014	Samarjeet Singh	ABSENT		
47.	21071583057	21/23186	Mohammad Hassan	ABSENT		
48.						
49.						
50.						

Teacher Signature: *Nidhi*
23/3/2024

Total Number of Students visited Sunder Nursery = 20

*Attendance



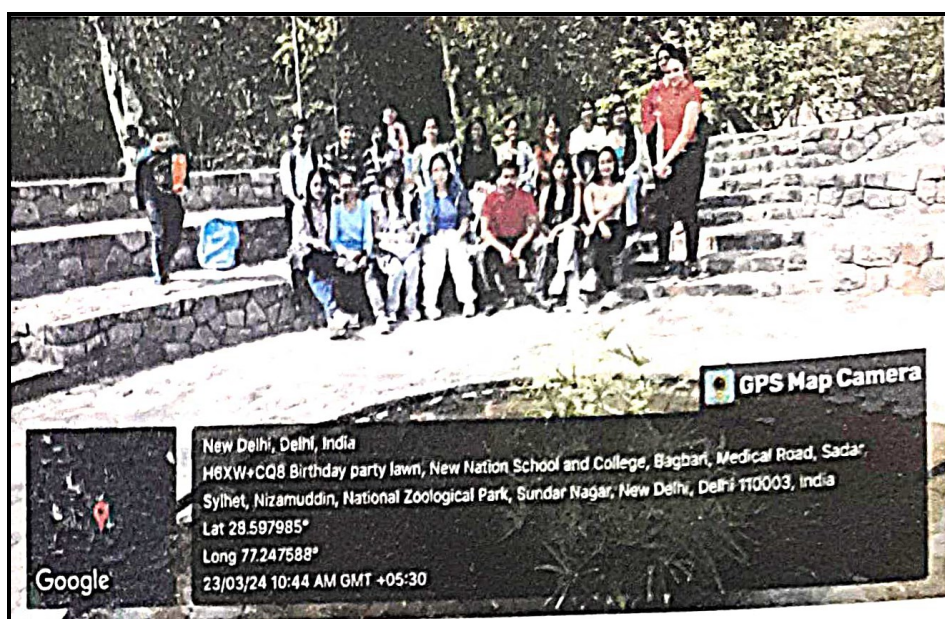
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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to Sunder Nursery)



*Pictures of visit to Sunder Nursery



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(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to ICMR)

  Shivaji College UNIVERSITY OF DELHI ACCREDITED BY NAAC WITH 'A' GRADE			
SHIVAJI COLLEGE (UNIVERSITY OF DELHI)			
DETAILS OF THE VIST			
TITLE OF THE VISIT:		Visit to ICMR- National Institute of Malaria Research, Dwarka, Sector 8, New Delhi	
DATE AND TIME:		April 18, 2024; 10 AM	
NATURE:		OFFLINE ✓	
VENUE:		ICMR- National Institute of Malaria Research, Dwarka, Sector 8, New Delhi	
DEPARTMENT/COMMITTEE/SOCIETY:		Department of Zoology	
IN COLLABORATION WITH			
TIC/CONVENER NAME:		Mr. Manish K. Sachdeva & Dr. Ankita Dua	
NUMBER OF PARTICIPANT:		37	
FINANCIAL ASSISTANCE (IF ANY):		NA	
(i) Amount:		NA	
(ii) Funding agency details:			
BRIEF WRITEUP ABOUT THE INVITED SPEAKER(S)			
NAME & DESIGNATION	AFFILIATION	PHOTO	
Dr. Ritesh Ranjha	Scientist C, ICMR- National Institute of Malaria Research		
Dr. Tarun K. Vats	Scientist B, ICMR- National Institute of Malaria Research		
LEARNING OBJECTIVES:	The visit was scheduled as a part of their practical syllabus of the paper "DSE-8 Parasitology" for students of B.Sc. (H) Zoology & B.Sc. (P) Life Sciences Semester IV.		
OUTCOME:	The visit was an excellent exposure to a research institute of repute where they had interactions with various scientists. They visited an insectary where they were could observe various insect eggs and larval stages as well as learn about arthropod vectors. They could also observe live testing of malaria from patients and observed various stages of the malarial parasites under the microscopes. Students were very interested to observe hoe such labs and institute function and this promoted their thinking of pursuing pure sciences in their future.		

*Report



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to ICMR)

 **Shivaji College**
UNIVERSITY OF DELHI
ACCREDITED BY NAAC WITH 'A' GRADE

ATTENDANCE & FEEDBACK SHEET

NAME OF VISIT: ICMR-National Institute of Malaria Research, Dwarka, New Delhi with the students of B.Sc. Zoology (H) & B. Sc. (P) Life Sciences Semester IV students as a part of their curriculum

DATE: April 18th, 2024

S.NO.	ROLL NO.	NAME OF STUDENT	COURSE	SEMESTER	ATTENDANCE SIGNATURES	FEEDBACK
1.	22/23048	Nidhi Mahto	B.Sc. Life Sciences	IV	Nidhi	How was your experience today? Really a nice exp. Would you like to take part in such visits in future? Yes, off course
2.	22/23066	Sajam Kr.	B.Sc. Life sci	IV	Sajam	Very informative and knowledgeable. Yes, off course
3.	22/23097	Aditya Ranjan	B.Sc. Life sci	IV	Aditya	Nice, great. Yes
4.	22/23024	Badal Kumar	B.Sc. Life Sci	IV	Badal	Nice experience. Yes
5.	22/23021	Aryon Saini	B.Sc. Life Sci	IV	Aryon	Very Informative. Yes, Why not
6.	22/23085	Jashika Sinha	B.Sc. Life Sci.	IV	Jashika	Very informative and opportunity to explore and discover new things.
7.	22/23019	Vivek Singh	B.Sc. (H) Zoology	IV	Vivek Singh	Very informative lab visit. great experience. Yes
8.	22/23017	Corali	B.Sc. (H) Zoology	IV	Corali	Science subject makes a problem without creating more. A big yes
9.	22/22011	Nidhi Kumari	B.Sc. (H) Zoology	IV	Nidhi	Had a great visit on malaria, very informative. Yes
10.	22/23018	Amushka Sharma	B.Sc. Life Science	IV	Amushka	Nice. Yes

Anil Kumar
18.4.2024

Ms. Acharya
18th April/2024

S.NO.	ROLL NO.	NAME OF STUDENT	COURSE	SEMESTER	ATTENDANCE SIGNATURES	FEEDBACK
11.	22/23091	Jyoti Tiwari	B.Sc. Life sci	IV	Jyoti Tiwari	How was your experience today? Really a great experience. Would you like to take part in such visits in future? Yes, why not?
12.	22/23013	Anjali Chaudhary	B.Sc. Life Sci.	IV	Anjali	Informative. Yes
13.	22/23034	Ashank Rathore	B.Sc. Life Sci.	IV	Ashank	Informative trip. Yes
14.	22/22031	Saheli Kansari	B.Sc. (H) Zoology	IV	Saheli	Informative trip. Yes
15.	22/23098	Vaishnavi Bhardwaj	B.Sc. (P) Life Science	IV	Vaishnavi	Informative trip. Yes
16.	22/23101	Saurabh Pandey	"	IV	Saurabh	Very informative and nice trip. Yes
17.	22/23086	Yash Kumar Sharma	"	IV	Yash	Very informative and nice trip. Yes
18.	22/23070	Shivam Mishra	B.Sc. (P) Life Science	IV	Shivam Mishra	Detailed explanation & observation. Very informative. Yes
19.	22/23023	Prigyanjan Dehury	B.Sc. (H) Zoology	IV	Prigyanjan	Very educational trip. Yes, it was amazing
20.	22/23029	Afreen Anjum	"	IV	Afreen	Informative & new knowledge. Yes
21.	22/23018	Sourav	"	IV	Sourav	Very educational & very informative. Yes, always.

Anil Kumar
18.4.2024

Ms. Acharya
18th April/2024

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Life Sciences (Visit to ICMR)

S.NO.	ROLL NO.	NAME OF STUDENT	COURSE	SEMESTER	ATTENDANCE SIGNATURES	FEEDBACK
22.	22/23009	Aditya K. Sharma	B.Sc Life Science	IV	<i>[Signature]</i>	How was your experience today? OKAY Would you like to take part in such visits in future? YES
23.	22/23045	M. Saikumar	B.Sc Life Science	IV	<i>[Signature]</i>	Very Informative and got max. knowledge. Yes.
24.	22/23036	Jatin	B.Sc Life Science	IV	<i>[Signature]</i>	Very informative and highly appreciated. Yes
25.	22/23064	Rohit	B.Sc Life Science	IV	<i>[Signature]</i>	Informative experience. Yes.
26.	22/23007	Abhishek Keshav	B.Sc Life Science	IV	<i>[Signature]</i>	Informative & Very nice experience. Absolutely yes
27.	22/23001	Aakanksha	B.Sc "	IV	<i>[Signature]</i>	Great. Yes
28.	22/23012	Ammar Afza	"	"	<i>[Signature]</i>	Informative. Yes
29.	22/23030	Humair Anvari	"	"	<i>[Signature]</i>	Nice. Yes
30.	22/23029	Hansa Azmi	"	"	<i>[Signature]</i>	Very good, we gain good knowledge. Yes.
31.	22/23011	Amrithy	"	"	<i>[Signature]</i>	Very Informative. Yes
32.	22/23004	Aayushman	"	"	<i>[Signature]</i>	Overall experience was good & knowledgeable. YES.
33.	22/23020	Aruta Das	"	"	<i>[Signature]</i>	It is very worth. It is good, immediate knowledge. Yes
34.	22/23045	Hassan	"	"	<i>[Signature]</i>	It was a good experience. Yes
35.	22/23031	Jitendra	"	"	<i>[Signature]</i>	It was a good experience. Yes
36.	22/23003	Aashi	"	"	<i>[Signature]</i>	Very Informative, Interesting & Knowledgeable. Yes, for sure!
37.	22/23032	Ishtak Rituwle	"	"	<i>[Signature]</i>	Great. Yes, for sure

[Signature]
18/4/2024

[Signature]
18/4/2024

*Attendance



*Picture of visit to ICMR



Field Trips, Lab/Institutional Visit

Department of Physics (Visit to NPL)

Visit to the National Physical Laboratory

Date: October 4, 2023

On October 4, 2023, the Department of Physics at Shivaji College, accompanied by 37 selected students, had the privilege of visiting the National Physical Laboratory (NPL). The visit provided a unique opportunity for both students and faculty to gain insight into cutting-edge research and applications in the field of physics.

Our visit commenced with a tour of the Cryogenic Liquification Plants at NPL. The guide led us through this facility, where we had the opportunity to witness the preparation of liquid nitrogen and liquid helium from atmospheric gases. A knowledgeable researcher explained the intricate processes involved in producing these cryogenic liquids, emphasizing their critical roles in various scientific and industrial applications. Additionally, several experiments involving liquid nitrogen were conducted, showcasing its remarkable properties and practical

The second part of The final part of our visit exposed us to a series of small, active research projects taking place at NPL. These projects covered a wide spectrum of topics, including crystal growth, UV luminous materials, white light generation through blue laser headlamp technology, nanotube-based sensitive movement tracking, and the development of a unique material stamp for enhancing the security of passports and government-authorized documents. Our interaction with the researchers involved in these projects was both enlightening and inspiring, leaving us with a sense of excitement about the future of science and technology. The visit led us to the Solar Department at NPL. Here, we encountered a diverse range of solar panels, each serving distinct purposes. A knowledgeable researcher enlightened us on the fascinating world of photovoltaics, discussing topics such as PN diodes,

silicon, fabrication processes, and the differences between commercial and satellite solar panels. One of the highlights of this segment was the demonstration of ultra-pure silicon solar panels, boasting an impressive efficiency rate of approximately 27% for converting solar energy. We also had the opportunity to observe a standard solar panel with an efficiency of around 22%. This demonstration emphasized the strides being made in the field of solar energy and its potential to revolutionize the renewable energy landscape.

***Report**



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Shivaji College

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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Physics (Visit to NPL)

NPL VISIT ATTENDANCE

Third Year		signature (Reporting Time)	signature (Departure Time)
Roll No.	Name		
21/19014	SOURABH SHARMA	<i>[Signature]</i>	<i>[Signature]</i>
21/19022	SAHIL SHARMA	<i>[Signature]</i>	<i>[Signature]</i>
21/19029	MANSI DEVI		A
21/19051	SATYAM SHIVAM	<i>Satyam</i>	<i>Satyam</i>
21/19057	MANISH ROHILLA	<i>Manish</i>	<i>Manish</i>
21/19064	AJAY KUMAR SHARMA	<i>Ajay</i>	
21/19069	DIPESH TAILOR	<i>Dipesh</i>	<i>Dipesh</i>
21/19075	YASHPAL YADAV	<i>Yashpal</i>	<i>Yashpal</i>
21/19084	AMIT KUMAR	<i>Amit</i>	<i>Amit</i>
21/19092	HARSH JAKHAR	<i>Harsh</i>	<i>Harsh</i>
21/19136	SAGAR	<i>Sagar</i>	<i>Sagar</i>
21/19141	BHAGWAT PRASAD TIWARI		A
21/19145	AMIR SOHEL HAQUE		A
21/19148	VANSH SHARMA		A
21/19152	HIMANSHU	<i>Himanshu</i>	<i>Himanshu</i>
21/19157	RAKESH	<i>Rakesh</i>	<i>Rakesh</i>
21/19160	KARTIK BALYAN		A
21/19178	MAYANK DALAL	<i>Mayank</i>	<i>Mayank</i>

First Year		signature (Reporting Time)	signature (Departure Time)
Roll No.	Name		
23/19039	Siddhant Rawat	<i>[Signature]</i>	<i>[Signature]</i>
23/19049	Aditya Harsh	<i>Aditya</i>	<i>Aditya</i>
23/19069	Chandra Shekhar Pandey	<i>[Signature]</i>	<i>[Signature]</i>
23/19010	Ayush Kumar Joshia	<i>Ayush</i>	<i>Ayush</i>
23/19033	Saloni	<i>Saloni</i>	<i>Saloni</i>

6

[Signature]
6.10.23

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Physics (Visit to NPL)

Second Year		signature (Reporting Time)	signature (Departure Time)
Roll No.	Name		
22/19004	Aniket Pathak	Aniket	Aniket
22/19007	Arpit Mann		A
22/19009	Dheeraj lohar	Dheeraj	Dheeraj
22/19010	GYANSHU KUMAR		A
22/19012	Harshita		A
22/19013	Hemant Dagar		A
22/19015	Ishika	Ishika	Ishika
22/19017	Jatin Bhayana	Jatin	Jatin
22/19018	Jatin Yadav		A
22/19019	KIRTI	Kirti	Kirti
22/19020	Krishna Sharma	KS	
22/19021	Manjesh Kumar		A
22/19022	MANJESH KUMAR	Manjesh	Manjesh
22/19025	Naman Verma	Naman	Naman
22/19027	Nisha Yadav	Nisha	Nisha
22/19034	Pratyush agarwal	Pratyush	Pratyush
22/19036	RAHUL GOUR	Rahul Gour	Rahul Gour
22/19037	RAHUL MEHRA	Rahul Mehra	Rahul Mehra
22/19040	RIYA	Riya	Riya
22/19041	Sandhya Nayak	Sandhya	Sandhya
22/19042	Saurabh pal		A
22/19045	SHUBHAM SANJAY	SS	SS
22/19048	Vansh Goel		A
22/19049	YASH		A
22/19052	SHAMBHAVI YADAV	Shambhavi	Shambhavi
22/19054	Amulya Bhanuchandra Mohanta		A
22/19056	Rishav Rawat	Rishav Rawat	Rishav Rawat
22/19057	SUKRITI SHARMA	Sukriti	Sukriti
22/19059	SAMARTH KUMAR	Samarth	Samarth

6/10/23

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Physics (Visit to NPL)



*Pictures of visit to NPL



Field Trips, Lab/Institutional Visit

Department of Physics (Visit to Rashtrapati Bhavan)

AN EDUCATIONAL VISIT TO RASHTRAPATI BHAVAN

DATE :- December 14, 2023

On 14 December 2023, The Physics Society of Shivaji College participated in an educational visit to Rashtrapati Bhawan . Students of Physics Department of 5th semester along with some faculty members visited the program. All the students and teachers were very excited for the visit.

After all reached the Rashtrapati Bhawan , the host there welcomed them with all warm greetings and told us about the motive of the visit. The visit was not only oriented towards physics theories but contained knowledge of some great upcoming programs which can help in growth of a student.

The agenda of this visit was to give knowledge about upcoming program launches and how we as a student can contribute . As a physics student we all have a dream to work with ISRO but it's not easy and as a student it's impossible, but now we students can also be involved in some upcoming projects. The host told us that ISRO is organizing some upcoming projects and it's a great honour that we can all be involved in it.

The space station moon mission:- Gateway is a vital component of the NASA-led Artemis missions to return to the Moon and chart a path for the first human missions to Mars. The small space station will be a multi-purpose outpost orbiting the Moon and providing essential support for lunar surface missions, a destination for science, and serving as a staging point for further deep space exploration. NASA is working with commercial and international partners to establish Gateway.

Aditya L1:-The Aditya-L1 mission aims to deepen our understanding of solar phenomena, including the solar corona, photosphere, and the impact of solar winds and related radiation. The spacecraft's instruments have been calibrated during its voyage, sending back X-ray images and particle counts, showcasing its healthy condition.

At the end the host concluded the program with a doubt session which went very well and all the students participated in it with great enthusiasm. The visit gave us experience of education, learning and motivation. We are honoured that we were a part of this.

***Report**



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Field Trips, Lab/Institutional Visit

Department of Physics (Visit to Rashtrapati Bhavan)

"RASHTRAPATI BHAVAN VIMARSH SHRINKHALA"

Attendance :-

Amir Sahel	—	21/19145	Amir
Yunraj	—	21/19151	Yunraj
Satyam	—	21/19051	Satyam
Sahel	—	21/19022	Sahel
Manish	—	21/19057	Manish
Dipesh	—	21/19069	Dipesh
Aditya	—	21/19074	Aditya
Saurabh	—	21/19014	Saurabh
Mansi	—	21/19029	Mansi
Yashpal	—	21/19075	Yashpal

Manish

*Attendance



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Field Trips, Lab/Institutional Visit

Department of Physics (Visit to Rashtrapati Bhavan)



*Picture of visit to Rashtrapati Bhavan



Field Trips, Lab/Institutional Visit

Department of Physics (Visit to IUAC)

VISIT TO THE INTER-UNIVERSITY ACCELERATOR CENTRE (IUAC)

Date: 28th February, 2024

Science is a continuous journey; there is always something new and exciting to discover. In India, to honour the discovery of the "Raman Effect" by Indian Physicist **Sir Chandrasekhara Venkata Raman**, on 28 February 1928, **National Science Day** is Celebrated.

On 28 February 2024 Shivaji College, Department of Physics organised an educational visit to the **Inter-University Accelerator Centre (IUAC)**, New Delhi under the guidance of Dr. Mamta. InterUniversity Accelerator Centre celebrated the day as the National Science Day Programme. The Director of IUAC **Professor A.C Pandey** interacted with everyone and introduced about IUAC campus and faculty.

Learning Outcomes:-

1. The Chief Guest **Professor K. Rama Subramaniam** (IIT Mumbai) enlightened us with "The Maths and Astronomy of Aryabhata". Further, we were enlightened by "Different Dimensions of Vigyan Bharti".
2. we were also addressed on "Indigenous Technologies for Viksit Bharat 2047".
3. we had a tour of IUAC laboratories, and they provided premier information about the Beam Transport System, Liquid Nitrogen Refrigeration Plant, Liquid Helium Refrigeration Plant under the Cryogenic group, High Current Injector, Free Electron Laser, Positive and negative ion beam facilities.
4. Then, they provided us with the participation certificate and travel allowance.

To sum up, our visit to IUAC on National Science Day was a journey full of Inspiration that left a permanent impression on each one of us.

***Report**



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Physics (Visit to IUAC)

28.2.24

Attendance
Educational visit to IUAC

S.No.	Roll No.	Name	Signature
1	22/19022	Manjesh Kumar	Manjesh
2	22/19027	Nisha Yadav	Nisha Yadav
3	22/19004	Aniket Pathak	Aniket
4	22/19042	Saurabh Pal	Saurabh
5	22/19015	Ishtika	Ishtika
6	22/19037	Rahul Mehra	Rahul
7	22/19041	Sandhya Nayak	Sandhya
8	22/19056	Rishav Rawat	Rishav Rawat
9	22/19060	Deepanshu	Deepanshu
10	22/19017	Jatin Bhayana	Jatin

Handed
28.2.24

Dr. Namita (convenor, Physics Society)
Associate Prof.
Deptt. of Physics

*Attendance



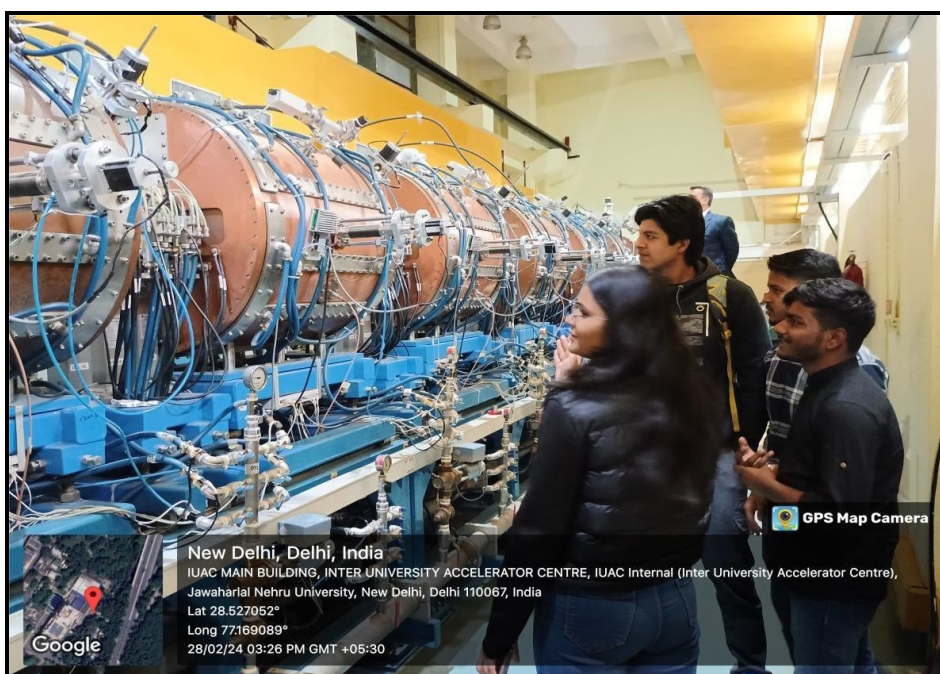
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Field Trips, Lab/Institutional Visit

Department of Physics (Visit to IUAC)



*Pictures of visit to IUAC



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to INMAS DRDO)

Report on the Visit to the Institute of Nuclear Medicine and Allied Sciences (INMAS-DRDO), Delhi

Date: 08.07.2023

Time: 9.30am

Institute: DRDO-INMAS, Timarpur, Delhi

Subject: BSc. (Hons) Zoology and BSc. Life Sciences of Shivaji College

Teacher Co-coordinators: Dr. Nidhi Garg and Dr. Rakesh Roshan





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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to INMAS DRDO)

Attendance List of Student for the Visit to IMNAS DRDO on 8.07.2023

Teacher Co-Ordinator's: Dr Nidhi Garg and Dr Rakesh Roshan

Subject: BSc. (Hons.) Zoology & BSc. Life Sciences

Shivaji College, Raja Garden, University of Delhi, New Delhi-110027

Serial NO.	Name of the Student	College Roll No	Contact No	Course	Student Signature Arrival	Student Signature Exit
1	Hritika Shree	21/22043	9931618116	BSc. Hons. Zoology Semester V	<i>Hritika Shree</i>	<i>Hritika Shree</i>
2	Arun Pandey	21/22062	8808392271	BSc. Hons. Zoology Semester V	<i>Arun Pandey</i>	<i>Arun Pandey</i>
3	Sanjana	21/22025	9654045173	BSc. Hons. Zoology Semester V	<i>Sanjana</i>	<i>Sanjana</i>
4	Priya Talwar	21/22069	8076876122	BSc. Hons. Zoology Semester V	<i>Priya</i>	<i>Priya</i>
5	Kamal	21/22061	7404459081	BSc. Hons. Zoology Semester V	<i>Kamal</i>	<i>Kamal</i>
6	Aanchal	21/22068	8802913559	BSc. Hons. Zoology Semester V	ABSENT	
7	Prerna	21/22039	7678580704	BSc. Hons. Zoology Semester V	ABSENT	
8	Isha	21/22035	9717270268	BSc. Hons. Zoology Semester V	ABSENT	
9	Anushka	21/22038	9971058097	BSc. Hons. Zoology Semester V	ABSENT	
10	Akansha	21/22021	9211575914	BSc. Hons. Zoology Semester V	<i>Akansha</i>	<i>Akansha</i>
11	Swati	21/22065	8279698850	BSc. Hons. Zoology Semester V	<i>Swati</i>	<i>Swati</i>
12	Ujjwal Goel	21/22052	7011156698	BSc. Hons. Zoology Semester V	<i>Ujjwal</i>	<i>Ujjwal</i>



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Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to INMAS DRDO)

3	Supriya	21/22054	8368670450	BSc. Hons. Zoology Semester V	Supriya	Supriya
14	Devansh	21/22050	83778 40254	BSc. Hons. Zoology Semester V	Devansh	Devansh
15	Khushi Kumari	21/23053	9315003655	BSc. Life Sciences Semester V	Khushi	Khushi
16	Samarth Arora	21/23037	9810875530	BSc. Life Sciences Semester V	Samarth	Samarth
17	Komal	21/23027	7838946285	BSc. Life Sciences Semester V	ABSENT	ABSENT
18	Prerna	21/23015	9728305310	BSc. Life Sciences Semester V	Prerna	Prerna
19	Anchal Gupta	21/23072	9310498839	BSc. Life Sciences Semester V	Anchal	Anchal
20	Jatin Jindal	21/23114	9821956620	BSc. Life Sciences Semester V	ABSENT	ABSENT
21	Gunjan Yadav	21/23167	9718410444	BSc. Life Sciences Semester V	Gunjan	Gunjan
22	Lavanya	21/23100	8076443980	BSc. Life Sciences Semester V	ABSENT	ABSENT
23	Ritika Dewan	21/23206	8810256498	BSc. Life Sciences Semester V	Ritika Dewan	Ritika Dewan
24	Manisha	21/23122	9871833891	BSc. Life Sciences Semester V	Manisha	Manisha
25	Gungun	21/23169	8595531385	BSc. Life Sciences Semester V	Gungun	Gungun
26	Meghana Chandola	21/23141	7042433887	BSc. Life Sciences Semester V	Meghana	Meghana
27	Chhavi Rehan	21/23145	9711942783	BSc. Life Sciences Semester V	Chhavi	Chhavi
28	Gungun Garg	21/23034	9212055986	BSc. Life Sciences Semester V	Gungun	Gungun

*Attendance



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Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to INMAS DRDO)

	Utkarsh Srivastava	21/23096	7838888057	BSc. Life Sciences Semester V	<i>Utkarsh</i>	<i>Utkarsh</i>
30	Kunal	21/23198	9654056061	BSc. Life Sciences Semester V	<i>Kunal</i>	<i>Kunal</i>
31	Kashish Kumari	21/23147	7836060002	BSc. Life Sciences Semester V	<i>Kashish</i>	<i>Kashish</i>
32	Jatin Koniyaal	21/23041	9968013479	BSc. Life Sciences Semester V	<i>Jatin</i>	<i>Jatin</i>
33	Anjali Singh	21/23070	7827100133	BSc. Life Sciences Semester V	<i>Anjali</i>	<i>Anjali</i>
34	Jhalak Kalra	21/23080	9871592992	BSc. Life Sciences Semester V	<i>Jhalak Kalra</i>	<i>Jhalak Kalra</i>
35	Brijesh Kumar	21/23021	8595575391	BSc. Life Sciences Semester V	<i>Brijesh</i>	<i>Brijesh</i>
36	Lokesh Dixit	21/23188	9896202571	BSc. Life Sciences Semester V	<i>Lokesh</i>	<i>Lokesh</i>
37	Samarjeet Singh	21/23014	9352828758	BSc. Life Sciences Semester V	<i>Samar</i>	<i>Samar</i>
38	Yashasvi Sahu	21/23111	8377072764	BSc. Life Sciences Semester V	<i>Yashasvi</i>	<i>Yashasvi</i>
39	Juvin Singh	21/23098	8810511216	BSc. Life Sciences Semester V	A B S E N T	
40	Veenita Yadav	21/23201	7982086650	BSc. Life Sciences Semester V	<i>Veenita</i>	<i>Veenita</i>
41	Baldev Kaur	21/23148	9625881945	BSc. Life Sciences Semester V	<i>Baldev</i>	<i>Baldev</i>

Signature of Teacher Co-ordinators: Dr. Nidhi Garg

Dr. Rakesh Roshan

*Attendance



*Picture



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to National Zoological Park)

Visit to National Zoological Park
B.Sc.(H) Zoology
Semester V
Animal Behaviour and Chronobiology

The students of B.Sc. (H) Zoology semester V of Shivaji College, University of Delhi along with teachers Dr. Aeshna Nigam and Dr. Tsewang Namgial went for an educational tour to National Zoological Park, New Delhi on 6.11.2023. The visit was a part of the curriculum of the paper Animal Behaviour and Chronobiology. This was an exercise which helped students to practically observe the behavioral changes observed due to animals held captive. Captivity tends to dull the instincts of the animals which are very important for survival in the wild. The animals in zoo are provided with food daily at the same time so there was no competition or exhibition of predator prey interaction. Moreover, since single or two members of a species were kept together social behavior was not apparent. Understanding the behavior also helps in conservation efforts specifically for breeding and propagation of endangered animals. Few of the animals observed were crocodile, gharial, hooting monkey, white tiger, lion, Asiatic and African elephants, black swan, peacock, silver pheasant and many more. They were not able to observe the snakes as the snake house was closed for public view due to hibernation of snakes.

Aeshna Nigam

*Report



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to National Zoological Park)

Attendance – Visit to Delhi Zoological Park- 6.11.2023. B.Sc. (H) Zoology Semester V

Roll no.	Name	In	Out
21/22003	ASHU	Absent	Absent
21/22014	SHIVAM BHATI	SRivam	SRivam
21/22019	CHINMAY SINGH	—	—
21/22020	PRIYA ROY	Absent	Absent
21/22021	AKANSHA	Absent	Absent
21/22025	SANJANA	No consent	—
21/22028	HARSH JANGID	Harsh	Harsh
21/22029	KANCHAN	No consent	—
21/22031	KHUSHI	No consent	—
21/22032	SHRESTH MEHRA	Absent	Absent
21/22035	ISHA	Absent	—
21/22038	ANUSHKA	No consent	—
21/22039	PRERNA CHOUDHARY	No consent	—
21/22042	EKTA YADAV	—	—
21/22043	HRITIKA SHREE	Hritika Shree	Hritika Shree
21/22047	KAJAL BHARTI	Kajal	Kajal
21/22048	ROHIT KUMAR SRIVASTAV	Absent	—
21/22049	GEETANJALI DHUNNA	Absent	—
21/22050	DEVANSH	Absent	—
21/22052	UJJWAL GOEL	Absent	—
21/22054	SUPRIYA BHARDWAJ	Absent	—
21/22055	SANDAL MALIK	Absent	—
21/22056	AYUSH CHAMOLI	Absent	—
21/22057	RAHUL SHARMA	Rahul	Rahul
21/22059	MARINA HUIDROM	Absent	—
21/22061	KAMAL	Kamran	Kamran
21/22062	ARUN PANDEY	Arun Pandey	Arun Pandey
21/22064	LAKSHAY BHARDWAJ	—	—
21/22065	SWATI	Swati	Swati
21/22067	HIMANSHU KAUSHIK	Himanshu Kaushik	Himanshu Kaushik

Ashu Nigam
6/11/23

Kamran
6/11/23

Attendance – Visit to Delhi Zoological Park- 6.11.2023. B.Sc. (H) Zoology Semester V

21/22068	AANCHAL MISHRA	No consent	—
21/22069	PRIYA TALWAR	Priya	Priya
21/22070	MAYANK PAWAR	Absent	—
21/22071	ISHA VATS	Absent	—
21/22074	HARSHITA GUPTA	Absent	—

Ashu Nigam
6/11/23

Kamran
6/11/23



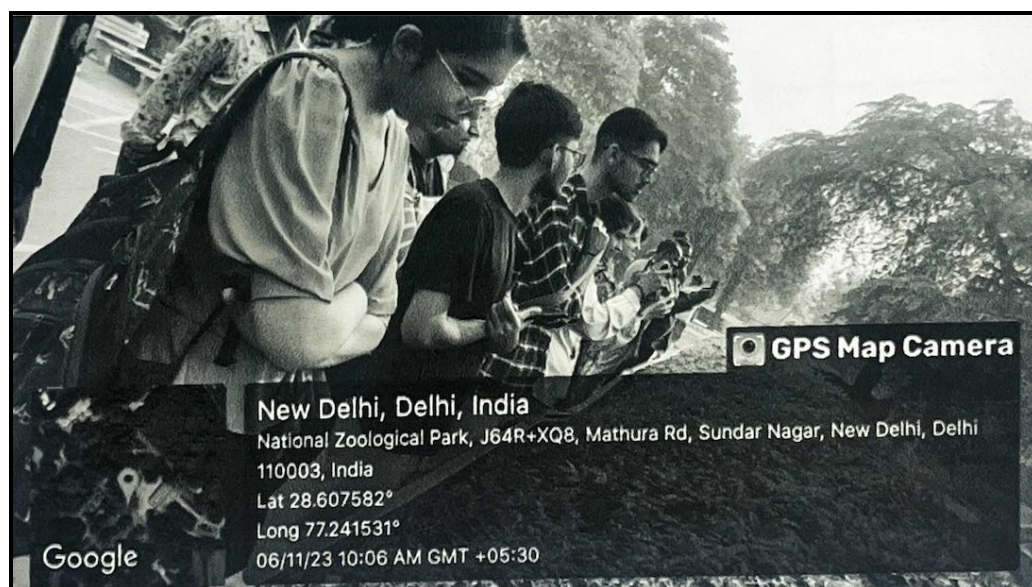
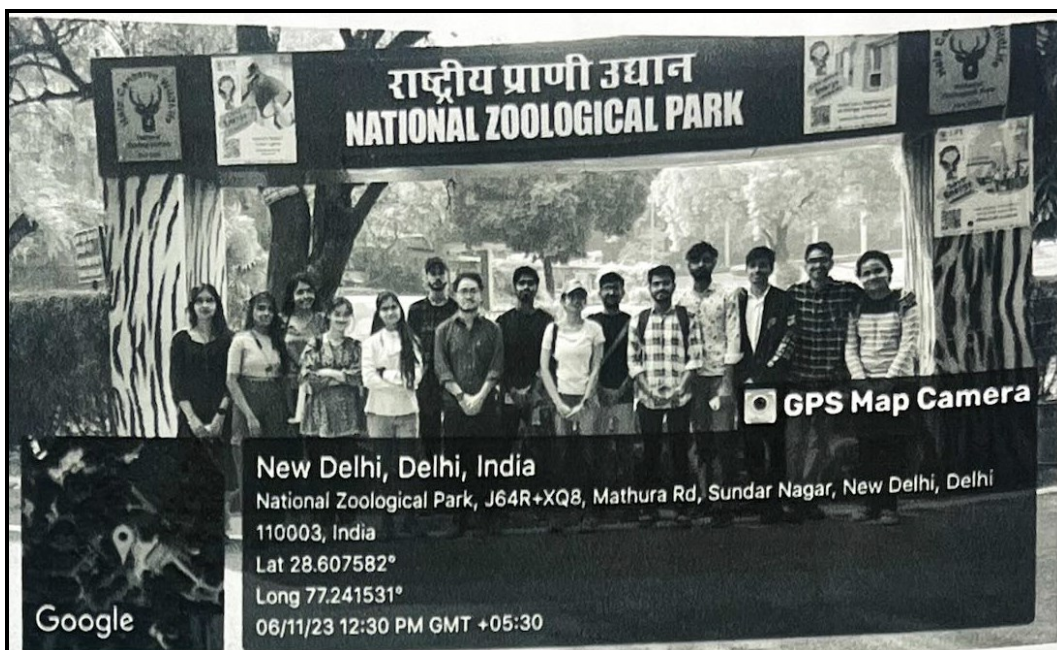
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Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to National Zoological Park)



*Pictures of visit to National Zoological Park



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Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to Sanjay Van)

Event completion report - Visit Report on an Excursion to Biodiversity Park

Date of Visit: 07/11/2023

Time: 09:00 A.M

Venue: Sanjay Van (DDA City Van)

Course: B.Sc. (H) Zoology NEP UGCF

Semester I

Subject: Concepts of Ecology

Purpose of Visit: To understand, explore and observe the diversity of fauna and flora and the environment of Sanjay Van.

Teacher Co-ordinator: Dr. Nidhi Garg and Dr Rakesh Roshan

The 25 students of B.Sc. (H) Zoology, Semester I, of Shivaji College, University of Delhi were accompanied by their teachers, Dr. Nidhi Garg, and Dr. Rakesh Roshan on a visit to Sanjay Van, a DDA city forest. The purpose of this visit was to provide students with firsthand exposure to a natural habitat and to enhance their understanding of biodiversity and ecological systems.



Overview of Sanjay Van: Sanjay Van, located within the heart of the city, is a Delhi Development Authority (DDA) city forest that serves as a green lung. It encompasses a diverse range of flora and fauna, providing an oasis of nature amidst the urban landscape.

Activities and Observations: During the visit, students engaged in various activities, including guided nature walks, bird watching, and observation of plant and animal species. The

Nidhi
(Dr. Nidhi Garg)

Sumit



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NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to Sanjay Van)

College name: Shivaji College
Course Name: B.Sc. (Hons) Zoology
Paper Name: Concepts of Ecology
Semester: I
Date of visit: 07.11.2023

Visit to Sanjay Van, New Delhi

S.No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Concepts of Ecology Visit
1.	23071569002	23/22001	ABHIRAM VARIAR	ABHIRAM	ABHIRAM	Amazing experience !!!
2.	23071569004	23/22002	Aman	Aman	Aman	wonderful
3.		23/22003	Ankit		ABSENT	
4.	23071569009	23/22005	ARADHANA JHA	Aradhana	Aradhana	Great experience. Learnt a lot about a flora.
5.		23/22011	Kamal Rathi		ABSENT	
6.	23071569013	23/22012	KRISHNA TIWARI	Krishna	Krishna	Amazing
7.		23/22014	KULDEEP		ABSENT	
8.		23/22016	MIJUM ANGU		ABSENT	
9.	23071569022	23/22017	Naina Kumari	Naina	Naina	Nice experience
10.		23/22018	PAWAN GARHWAL		ABSENT	
11.	23071569028	23/22019	Shagun singh	Shagun	Shagun	nice experience
12.		23/22020	SHUBHAM KUMAR		ABSENT	
13.	23071569035	23/22022	VIKASH KUMAR	Vikash	Vikash	Good

Nidhi 7/11/2023
Rishi 7/11/2023

S.No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
14.		23/22024	Vishakha Garg		ABSENT	
15.	23071569009	23/22025	AAFREEN	Aafreen	Aafreen	
16.		23/22026	Ansh Pathak		ABSENT	
17.	23071569010	23/22027	ARCHANA SINGH KAUSHIK	Archana Singh	Archana Singh	Wonderful experience !!
18.	23071569011	23/22028	Daksh	Daksh	Daksh	good
19.		23/22029	Edrasha Dubey		ABSENT	
20.	23071569015	23/22030	Kim Mondal	Kim	Kim	Amazing experience
21.	23071569019	23/22031	MARIAM	Mariam	Mariam	Amazing
22.		23/22032	Mehak Suyal		ABSENT	
23.	23071569020	23/22033	Nusrat Fatma	Nusrat Fatma	Nusrat Fatma	Outstanding.
24.	23071569023	23/22034	Priyanshi Kumari	Priyanshi Kumari	Priyanshi Kumari	Amazing Experience.
25.		23/22024	SHEETAL		ABSENT	

Nidhi 7/11/2023
Rishi 7/11/2023

*Attendance



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Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to Sanjay Van)

S.No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
26.1	23071569031	23/22035	Shubham Mittal	Shubham Mittal	Shubham Mittal	enjoyful
27.	23071569034	23/22036	Sumit	Sumit	Sumit	Can't express
28.	23071569035	23/22037	Yashvardhan	Yashvardhan	Yashvardhan	intriguing experience!
29.		23/22038	Ankita dubey	ABSENT	ABSENT	
30.	23071569025	23/22039	Pranav Baweja	Pranav Baweja	Pranav Baweja	life-changing
31.	23071569032	23/22040	SNEHA PARUL VERMA	SNEHA PARUL VERMA	SNEHA PARUL VERMA	WOAW. ---
32.		23/22041	SUDHANSHU KHAJURIA	ABSENT	ABSENT	
33.	23071569003	23/22042	ADITYA RAJ RAVI	ADITYA RAJ RAVI	ADITYA RAJ RAVI	It's good experience to see natural flora and fauna live
34.	23071569005	23/22043	AMIT GUPTA	AMIT GUPTA	AMIT GUPTA	Wonderful !!
35.	23071569073	23/22044	Guru Gupta	Guru Gupta	Guru Gupta	Fun
36.		23/22045	SHAMBHVI KUKRETI	ABSENT	ABSENT	
37.		23/22046	Sonali	Sonali	Sonali	Would recommend

Nishi 7/11/2023 Rakshi 7/11/2023

38.	23071569026	23/22047	PREETI ANWANI	PREETI ANWANI	PREETI ANWANI	It was wonderful exploring wilderness on foot with knowledgeable guide
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S. No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
39.	23071569066	23/22048	AMIT KUMAR	AMIT KUMAR	AMIT KUMAR	Good.
40.		23/22049	ANJALI	ABSENT	ABSENT	
41.	23071569016	23/22050	KRATI YADAV	KRATI YADAV	KRATI YADAV	Beautiful nature
42.		23/22051	Kunal sharma	ABSENT	ABSENT	
43.						
44.						

Nishi 7/11/2023 Rakshi 7/11/2023

Total No. of Students present : 25

*Attendance



शिवाजी कॉलेज

(दिल्ली विश्वविद्यालय)

Shivaji College






(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to RB Organic Poultry Farm)

  Shivaji College UNIVERSITY OF DELHI ACCREDITED BY NAAC WITH 'A' GRADE		 
SHIVAJI COLLEGE (UNIVERSITY OF DELHI)		
<u>DETAILS OF THE VISIT</u>		
TITLE OF THE VISIT:		Visit to RB Organic Poultry Farms
DATE AND TIME:		March 20, 2024; 10 AM
NATURE:		OFFLINE ✓
VENUE:		RB Organic Poultry Farms Nizamuddin, New Delhi
DEPARTMENT/COMMITTEE/SOCIETY:		Department of Zoology
IN COLLABORATION WITH		
TIC/CONVENER NAME:		Dr. Deepika Yadav, Ms. Nimita Kant & Dr. Ankita Dua
NUMBER OF PARTICIPANT:		19
FINANCIAL ASSISTANCE (IF ANY):		NA
(i) Amount:		NA
(ii) Funding agency details:		
<u>BRIEF WRITEUP ABOUT THE INVITED SPEAKER(S)</u>		
NAME & DESIGNATION	AFFILIATION	PHOTO
Mr. Raja Singh	RB organics farm, Nizamuddin, New Delhi. Poultry Farming Expert, Khadi & Village Industries Commission (KVIC), Ministry Ufmicro Small & Medium Enterprises Government of India.	
LEARNING OBJECTIVES:	The visit was scheduled as a part of their practical syllabus of the paper 'Developmental Biology' for students of B.Sc. (H) Zoology semesters IV & VI.	
OUTCOME:	The visit gave them a broad outlook towards poultry farming as an entrepreneurial venture. They learnt the basic requirements of maintenance of a stock of 'Kadakhnath' breed that is known for its excellent protein content of eggs and meat. Students discussed in detail all aspects of poultry farming and it was a very fruitful visit in all.	

***Report**



शिवाजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to RB Organic Poultry Farm)



*Pictures



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Shivaji College

(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to RB Organic Poultry Farm)



ATTENDANCE & FEEDBACK SHEET

NAME OF VISIT: RB Organic Poultry Farms Nizamuddin, New Delhi with the students of B.Sc. Zoology (H) IV & VI semester students as a part of their curriculum

DATE: March 20th, 2024

S.NO.	ROLL NO.	NAME OF STUDENT	COURSE	SEMESTER	ATTENDANCE SIGNATURES	FEEDBACK	
1	22/22023	Priyaranjan Dehury	B.Sc (Hons.) Zoology	2 nd	<i>[Signature]</i>	How was your experience today?	Would you like to take part in such visits in future?
2	22/2200A	Kshitij Dap	BSc (H) Zoology	2 nd	<i>[Signature]</i>	Informative related to subject and also interpersonal	Yes
3	22/22017	Souali	B.Sc (Zoology) (Hons.)	2 nd year	<i>[Signature]</i>	Amazing, I love it	A Big Yes
4	22/22018	Sooraj .K	BSc (A) zoology	2 nd year	<i>[Signature]</i>	Great	Yes.
5	21/22064	Lakshay	BSc (H) zoology	3 rd year	<i>[Signature]</i>	Magnificent	Yes
6	21/22065	Swati	BSc (H) zoology	3 rd year	<i>[Signature]</i>	Excellent	Yes
7	21/22028	Harsh	BSc (H) zoology	3 rd year	<i>[Signature]</i>	Great	Yes
8	21/22061	Kamal	BSc (H) zoology	3 rd year	<i>[Signature]</i>	Initiative	Yes
9	21/22067	Himanshu	BSc (H) zoology	3 rd year	<i>[Signature]</i>	really nice experience got much more knowledge	Yes
10	21/22003	Ashu	BSc (H) zoology	3 rd year	<i>[Signature]</i>	good	Yes

[Signature]
20-03-2024

[Signature]
20-3-2024

[Signature]
20th March 2024



शिवजी कॉलेज

(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to RB Organic Poultry Farm)

S.NO.	ROLL NO.	NAME OF STUDENT	COURSE	SEMESTER	ATTENDANCE SIGNATURES	FEEDBACK
1.	21/22061	Kamal	B.Sc. (Hn) Zoology	VI th	<i>[Signature]</i>	How was your experience today? Great Would you like to take part in such visits in future? Yes
2.	21/22067	Himanehu	B.Sc. (Hon) Zoology	VI th	<i>[Signature]</i>	Great
3.	21/22064	Anshika Sharma	B.Sc. (Hon) Zoology	VI th	<i>[Signature]</i>	Great
4.	21/22054	Shivani Rathi	B.Sc. (Hon) Zoology	VI th	<i>[Signature]</i>	Really informative visit
5.	21/22039	Pooja	B.Sc. (Hon) Zoology	VI th	<i>[Signature]</i>	Great
6.	21/22048	Anchal	B.Sc. (Hon) Zoology	VI th	<i>[Signature]</i>	Great
7.	21/22069	Reena Talwar	B.Sc. (Hon) Zoology	VI th	<i>[Signature]</i>	Great
8.	21/22065	Shweta	B.Sc. (H) Zoology	VI th	<i>[Signature]</i>	Informational
9.	21/22013	Nishika Shree	B.Sc. (H) Zoology	VI th	<i>[Signature]</i>	Great
					<i>[Signature]</i>	Amazing

[Signature] 20-03-2024

[Signature] 20.3.2024

[Signature] 20th March 2024

*Attendance



शिवाजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to National Zoological Park)

Visit to National Zoological Park
B.Sc.(H) Zoology
Semester IV
Animal Behaviour

The students of B.Sc. (H) Zoology semester IV of Shivaji College, University of Delhi along with teachers Dr. Aeshna Nigam and Dr. Rakesh Roshan and Dr. Samya Das went for an educational tour to National Zoological Park, New Delhi on 15.4.2024. The visit was a part of the curriculum of the paper Animal Behaviour. This was an exercise which helped students to practically observe the behavioral changes observed due to animals held captive. Captivity tends to dull the instincts of the animals which are very important for survival in the wild. The animals in zoo are provided with food daily at the same time so there was no competition or exhibition of predator prey interaction. Moreover, since single or two members of a species were kept together social behavior was not apparent. Understanding the behavior also helps in conservation efforts specifically for breeding and propagation of endangered animals. Few of the animals observed were crocodile, gharial, hooting monkey, white tiger, lion, Asiatic and African elephants, black swan, peacock, silver pheasant and many more. Since it was summer so the snakes were out of hibernation and they observed python, Indian cobra and others.



Aeshna Nigam

*Report



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(दिल्ली विश्वविद्यालय)

Shivaji College


(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Field Trips, Lab/Institutional Visit

Department of Zoology (Visit to National Zoological Park)



Shivaji College
(University of Delhi)
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ATTENDANCE and FEEDBACK FORM

TITLE OF THE EVENT: Visit to Delhi Zoological Park


DATE OF THE EVENT: 15.4.2024

NAME OF THE DEPARTMENT: Zoology (B.Sc. H Zoology, Semester IV)

NAME OF THE EVENT COORDINATOR: Dr. Aeshna Nigam

S.NO	STUDENT NAME	ROLL NO.	Attendance (Signature)	FEEDBACK
✓1.	Nidhee Kumari	22/22011	<i>Nidhee Kumari</i>	learned a lot, great experience. <i>Nidhee Kumari</i>
✓2.	Priyaranjan	22/22023	<i>Priyaranjan</i>	Trip was really good beautiful, learned a lot <i>Priyaranjan</i>
✓3.	Savali	22/22017	<i>Savali</i>	Excellent visit, learn alot <i>Savali</i>
✓4.	Vivek Singh	22/22019	<i>Vivek Singh</i>	Learned more about animals behavior <i>Vivek Singh</i>
✓5.	Huskan Gupta	22/22033	<i>Huskan</i>	Knowledgeable and Informative trip. Excellent experience <i>Huskan</i>
✓6.	Saheli Kharos	22/22031	<i>Saheli</i>	Informative trip, <i>Saheli</i>
✓7.	Sonam Singh	22/22034	<i>Sonam</i>	Very serene environment. Informative trip. <i>Sonam</i>
✓8.	Saamir K	22/22018	<i>Saamir</i>	It is Informative to know the behaviour of <i>Saamir</i> Isolated with animal

Teachers' Signature *Aeshna Nigam* *Rakesh* *Saamir K*



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9.	Purvi Gang	22/22024	<i>Purvi</i>	Great experience <i>Purvi</i>
10.	Bhawika Yadav	22/22004	<i>Bhawika</i>	good <i>Bhawika</i>
11.	Priyanshu	22/22005	<i>Priyanshu</i>	It was a great experience <i>Priyanshu</i>
12.	Tushar Goswami	22/22032	<i>Tushar</i>	
13.	Harshal Gupta	22/22006	<i>Harshal Gupta</i>	Amazing <i>Harshal Gupta</i>
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				

Teachers' Signature *Aeshna Nigam* *Rakesh* *Saamir K*



शिवाजी कॉलेज

(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' participation in research projects

महाविद्यालय अनुसंधान एवं नवाचार प्रकोष्ठ
College Research & Innovation Cell
शिवाजी कॉलेज (दिल्ली विश्वविद्यालय)
Shivaji College (University of Delhi)
नई दिल्ली - ११० ०२७
New Delhi - 110 027

Intramural Research Scheme
Minor Research Projects
Sanction Year: 2022-2023

S. No	File No.	Principal Investigators	Title of the Project	Student Details	Sanction Order Details & Date of Start (DOS)
1	MRP/2022 - 2023/0001	1. Dr. Neena Khanna (Dept. of Chemistry) 2. Dr. Parveen Gahlyan (Dept. of Chemistry)	Synthesis of rhodamine based chemosensors and their application in detection of toxic metal ions	1. Garv Gupta (Roll No.: 21/10027) B. Sc. (H) Chemistry 2. Sakshi Bhardwaj (Roll No.: 21/10066) B. Sc. (H) Chemistry 3. Yogita (Roll No. 21/10053) B. Sc. (H) Chemistry 4. Garv Gaur (Roll No. 21/10048) B. Sc. (H) Chemistry 5. Gunit Manaktala (Roll No. 21/10071) B. Sc. (H) Chemistry	SH/Adm./ 2175/23 Dated 31/01/2023 DOS: 02.02.2023
2	MRP/2022 - 2023/0002	1. Dr. Neetu Rani (Dept. of Mathematics)	Mathematical Modelling for Volume Estimation of Guava (Psidium Guajava L.)	1. Raghav Anand Nath (Roll No. 21/17007) B. Sc. (H) Mathematics 2. Vaibhav Bhatt (Roll No. 21/17143) B. Sc. (H) Mathematics 3. Sneha Gupta (Roll No. 21/17096) B. Sc. (H) Mathematics 4. Shashvat Kumar Mishra (Roll No. 22/17067) B. Sc. (H) Mathematics 5. Dolly Chawla (Roll No. 22/09026) B. Sc. (H) Botany 6. Saloni (Roll No. 22/09018) B. Sc. (H) Botany	SH/Admn/ 2295/23 Dated 03/03/2023 DOS: 05.03.2023

Kumari Priyanka
03/03/2023

Shiv K. Sood

सहसंचालक, प्राचार्य / Officiating Principal
शिवाजी महाविद्यालय / Shivaji College
दिल्ली विश्वविद्यालय / University of Delhi,
नगर गार्डन, नई दिल्ली-110027
Nagar Garden, New Delhi-110027

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शिवाजी कॉलेज

(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' participation in research projects

3	MRP/2022 - 2023/0003	1. Dr Kiran Bamel (Dept. of Botany) 2. Dr Seema Talwar (Dept. of Botany)	Impact of Elevated Temperature on the Seed Germination of Medicinal plants (<i>Catharanthus roseus</i> and <i>Trig onella foenum- graecum</i>)	1. Ankit (Roll No. 22/09005) B. Sc. (H) Botany 2. Tribeni (Roll No. 22/09022) B. Sc. (H) Botany 3. Palak (Roll No. 22/23052) B.Sc. (Prog.) Life Sciences 4. Shorya (Roll No. 22/23071) B.Sc. (Prog.) Life Sciences 5. Gautam (Roll No. 22/23065) B.Sc. (Prog.) Life Sciences	SH/Admn/ 2296/23 Dated 03/03/2023 DOS: 05.03.2023
4	MRP/2022 - 2023/0004	1. Dr Preeti Tiwari (Dept. of Geography) 2. Ms Ekta Raman (Dept. of Geography)	Impact Assessment of Swachh Bharat Mission in Raghubir Nagar	1. Sonia Borana (Roll No. 22/31050) B.A. (H) Geography 2. Vanshika Punia (Roll No. 22/31055) B.A. (H) Geography 3. Aman Singh (Roll No. 22/49151) B.A. (Program) 4. Maseera Siddiqui (Roll No. 22/31029) BA(H) Geography 5. Aditya Sharma (Roll No. 22/49112) B.A. (Program)	SH/Admn/ 2297/23 Dated 03/03/2023 DOS: 05.03.2023
5	MRP/2022 - 2023/0005	1. Dr Jayita Thakur (Dept. of Biochemistry) 2. Dr Usha Yadav (Dept. of Biochemistry)	Comparative analysis of the effects of dietary supplements on <i>Drosophila melanogaster</i>	1. Sayena Simron (Roll No. 21/06055) B.Sc. (H) Biochemistry 2. Sanjana Gupta (Roll No. 21/06007) B.Sc. (H) Biochemistry 3. Sony Sharma (Roll No. 21/06050) B.Sc. (H) Biochemistry 4. Sahil Anand (Roll No. 21/06031) B.Sc. (H) Biochemistry 5. Shivangi Aggarwal (Roll No. 21/06030) B.Sc. (H) Biochemistry 6. Vandana (Roll No. 21/06047) B.Sc. (H) Biochemistry 7. Debdatta Chatterjee (Roll No. 22/06009) B.Sc. (H) Biochemistry 8. Pooja (Roll No. 22/06024)	SH/Admn/ 2298/23 Dated 03/03/2023 DOS: 05.03.2023

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Shiv K. Sarda

Kumari Priganka
03/03/2023

आचार्य/ऑफिसिंग प्रिन्सिपल
शिवाजी महाविद्यालय / Shivaji College
दिल्ली विश्वविद्यालय / University of Delhi
राजा गार्डन, नई दिल्ली-110027
Phone: 011-25116644



शिवाजी कॉलेज

(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' participation in research projects

				B.Sc. (H) Biochemistry 9. Kanishk Rai (Roll No. 22/06017) B.Sc. (H) Biochemistry 10. Tushar Gupta (Roll No. 22/06032) B.Sc. (H) Biochemistry	
6	MRP/2022 - 2023/0006	1. Ms Nimita Kant (Dept. of Zoology) 2. Dr Jitendra Kr. Chaudhary (Dept. of Zoology)	Developing insights into stem cell therapeutic potential for hematological disorders based on analysis of National Institute of Health (NIH)'s clinical trials repertoire	1. Priya Roy (Roll No.21/22020) B.Sc. Zoology(H) 2. Akanksha (Roll No. 21/22021) B.Sc. Zoology(H) 3. Supriya Bhardwaj (Roll No. 21/22054) B.Sc. Zoology(H) 4. Lakshay Bhardwaj (Roll No. 21/22064) B.Sc. Zoology(H) 5. Priya Talwar (Roll No. 21/22069) B.Sc. Zoology(H)	SH/Admn/ 2299/23 Dated 03/03/2023 DOS 05.03.2023
7	MRP/2022 - 2023/0007	1. Dr Lalita Rana (Dept. of Geography) 2. Ms Rashmi Singh (Dept. of Geography)	Urban Sprawl Modelling & Commuting Pattern- Delhi Gurgaon Corridor: A Sustainable Growth	1. Inika Garg (Roll No. 22/31020) B.A. (H) Geography 2. Jhilmil Verma (Roll No. 22/31021) B.A. (H) Geography 3. Toyaj Giri Goswami (Roll No. 22/31054) B.A. (H) Geography 4. Nivedita Sharma (Roll No. 22/31033) B.A. (H) Geography 5. Dildar Ali (Roll No. 22/31017) B.A. (H) Geography 6. Shashank Singh (Roll No. 22/31047) B.A. (H) Geography 7. Akilesh Kumar (Roll No. 22/31009) B.A. (H) Geography 8. Syed Sadiq Husain (Roll No. 22/31053) B.A. (H) Geography	SH/Admn/ 2300/23 Dated 03/03/2023 DOS: 05.03.2023

Kumar Priyanka
03/03/2023

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Shivaji College
शाखाध्यक्ष / Officiating Principal
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दिल्ली विश्वविद्यालय / University of Delhi,
राजा गार्डन, नई दिल्ली-110027
Raja Garden, New Delhi-110027



शिवाजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' participation in research projects

No. of student beneficiary	: 44
No. of teacher beneficiary	: 13
Total beneficiary	: 57

Kumar Pijeta
02/03/2023

Shiv K. Solde
कायदादा: शिवाजी / Officiating Principal
शिवाजी महाविद्यालय / Shivaji College
(दिल्ली विश्वविद्यालय) / University of Delhi,
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Raja Garden, New Delhi-110027

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For more details, click on the link given below:

[Students' participation in research projects](#)



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(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 3.0)

**Department of Biochemistry
Shivaji College
Summer Training Program on Research Methodology 3.0
(June 05-July 03, 2023)**

Report

The summer training program on research methodology 3.0 was organized by the Department of Biochemistry, Shivaji College, University of Delhi under the aegis of DBT Sponsored Star College Scheme with the supervision of Dr. Jayita Thakur, Dr. Sunita Singh, Dr. Renu Baweja, Dr. Usha Yadav and, Dr. Abhijeet Mishra from June 05-July 03, 2023. Total 29 students participated in this program. The whole program was divided into 5 modules, the first module was taken by Dr. Renu Baweja in which she introduced the participants to research methodology and what a research proposal is all about this was followed with the assignments related to the module. The next module was conducted by Dr. Usha Yadav in which participants were given a clear view of the research and sample design, also they got to know about the literature review, how to develop a hypothesis, and what research plan they have to include in it. These 2 modules were covered in week 1. The next week was taken by Dr. Abhijeet Mishra, he gave a basic idea for the health camp, and how to collect data from that health camp and digitalization of data, this week health camp was organized on the premises of Shivaji College. This health camp includes various parameters such as Height, weight, BMI, fat percentage, visceral fat, basic metabolic rate, and body age. He also developed a scientific temperament among students with his thought-provoking questions. The next module was followed by Dr. Jayita Thakur, in which participants learn about many areas of data presentation, data processing, and statistical analysis in the field of biochemistry during the summer training program. Dr. Jayita Thakur held engaging workshops on these issues, giving a piece of insightful information and practical understanding to students. A health camp is also organized in Miranda House for further data collection. During this 3rd

***Report**



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(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 3.0)

week of the program students also got a chance to interact with experts like Dr. Suman Kharbanda, she gave detailed information on how to use Microsoft Excel for data analysis with Dr. Chhavi Sharma, she emphasized the significance of data input and formatting in order to conduct correct analysis. A talk with Dr. Bhupender has conducted for an insight view of Hypothesis Testing, Statistical Tests, and Secondary data analysis.

The last module of this program was taken by Dr. Sunita Singh, who conducted the session on ethical principles in research. The significance of following these principles was emphasized, particularly in terms of biosafety and ethics compliance. These sessions are more interactive with talks from different experts like Prof. (Dr) Man Singh who talks about Intellectual property rights and Patents with his in-depth knowledge, Dr. Ajay opened the discussion by emphasizing the necessity of thorough and methodical research. He emphasized the need for well-defined research topics, clear objectives, and good preparation in guaranteeing a research project's success, and at last, Dr. Arjun gave us a quick overview of the statistical analysis and briefly reviewed the questions submitted in the form of a Google form. All the modules have their own different assignments / tasks which kept the students focused. At last, this summer training program was concluded with a valedictory session in which the feedback of students was taken and the certificates were distributed.

***Report**



शिवाजी कॉलेज (दिल्ली विश्वविद्यालय) *Shivaji College* (University of Delhi)

NAAC ACCREDITED "A" GRADE COLLEGE



Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 3.0)

The poster features logos for the Department of Biotechnology, Ministry of Science & Technology, Government of India; Azadi Ka Amrit Mahotsav 75; G20 India 2023; and Shivaji College's 100th anniversary (1922-2022). The text reads: **Shivaji College**, NAAC Accredited Grade "A", University of Delhi. **Department of Biochemistry** (under the aegis of DBT sponsored Star College Scheme). **Inter College Summer Training Program on RESEARCH METHODOLOGY 3.0**, June 05 – July 03, 2023. **LEARNING OUTCOMES**: Participants will learn to design a research based study, conduct survey based data collection, analyze data using biostatistics, report findings with citations, and interact with experts. **WHO CAN APPLY?** UG and PG students. **REQUIREMENT:** Access to Laptop/Desktop. **Last date for registration: June 01, 2023***. **PROGRAM COORDINATORS**: Dr. Jayita Thakur, Dr. Renu Baweja, Dr. Sunita Singh, Dr. Usha Yadav, Dr. Abhijeet Mishra. **COORDINATOR STAR COLLEGE SCHEME**: Dr. Renu Baweja. **PATRON**: Dr. Shiv Kumar Sahdev, Principal. A QR code is provided for registration.

*Poster



*Picture depicting students' involvement in Summer Training on Research Methodology 3.0



शिवजी कॉलेज

(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)

NAAC ACCREDITED "A" GRADE COLLEGE



Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 3.0)

SUMMER TRAINING PROGRAM "RESEARCH METHODOLOGY 3.0"			
Sl. No.		DATE	13/06/23
1.	Vertika Rai, G.P.C. Noida	M.Sc. 200104	Vertika Rai
2.	Rishi Kumari, DHE (DU)	B.Sc. (H) Biochemistry	Rishi Kumari
3.	Bhavya (Shivaji College)	B.Sc. (H) Biochemi	Bhavya
4.	Bhavya (Shivaji College)	B.Sc. (H) Biochemistry	Bhavya
5.	Sahil Anand (Shivaji College)	B.Sc. (H) Biochemistry	Sahil Anand
6.	Alman (Shivaji College)	B.Sc. (H) Biochemistry	Alman
7.	Natasha Yadav (Sri Venkateswara College)	B.Sc. (H) Biochemistry	Natasha Yadav
8.	Anusita (Shivaji College)	B.Sc. (H) Biochem	Anusita
9.	Nitika (Shivaji College)	B.Sc. (H) Biochem	Nitika
10.	Tanya Diga (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Tanya Diga
11.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
12.	Nandani Vardhan (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Nandani Vardhan
13.	Kumari Sahi (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Kumari Sahi
14.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
15.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
16.	Mohit Vashista (Swami Shradhdharan College)	B.Sc. (H) Microbiology	Mohit Vashista
17.	Ayush Chaudhary (Amity University)	B.Sc. (H) Biochem	Ayush Chaudhary
18.	Anusita (Amity University)	B.Sc. (H) Biochem	Anusita
19.	Abhinav (B.C.A.S.)	B.Sc. (H) Biochem	Abhinav
20.	Sahil Anand (Shivaji College)	B.Sc. (H) Biochem	Sahil Anand
21.	Ayush Negi (Shivaji College)	B.Sc. (H) Biochem	Ayush Negi
22.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
23.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
24.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
25.	Rishi Kumari, Hansraj College	B.Sc. (H) Microbiology	Rishi Kumari
26.	Priya Kumari, Hansraj College	B.Sc. (H) Microbiology	Priya Kumari
27.	Priya Kumari, Hansraj College	B.Sc. (H) Microbiology	Priya Kumari
28.	Priya Kumari, Hansraj College	B.Sc. (H) Microbiology	Priya Kumari
29.	Anusita, Ramjas College	B.Sc. (H) Microbiology	Anusita
30.	Ashutosh, Ramjas College	B.Sc. (H) Microbiology	Ashutosh
31.	Khushi Gupta (G.D. Goenka)	B.Sc. (H) Biotech	Khushi Gupta

SUMMER TRAINING PROGRAM "RESEARCH METHODOLOGY 3.0"			
Sl. No.		DATE	3-7-23
✓ 1.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
✓ 2.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
✓ 3.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
✓ 4.	Vertika Rai, Government P.G. College	M.Sc. 200104	Vertika Rai
✓ 5.	Natasha Yadav, Sri Venkateswara College	B.Sc. (H) Biochem	Natasha Yadav
✓ 6.	Anusita, Shivaji College	B.Sc. (H) Biochem	Anusita
✓ 7.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 8.	Tanya Diga (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Tanya Diga
✓ 9.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 10.	Ayush Chaudhary, Amity University	B.Sc. (H) Biochem	Ayush Chaudhary
✓ 11.	Mohit Vashista, Swami Shradhdharan College	B.Sc. (H) Microbiology	Mohit Vashista
✓ 12.	Bhavya, Shivaji College, DU	B.Sc. (H) Biochem	Bhavya
✓ 13.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 14.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 15.	Anusita, Ramjas College	B.Sc. (H) Biochem	Anusita
✓ 16.	Abhinav (B.C.A.S.)	B.Sc. (H) Biochem	Abhinav
✓ 17.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
✓ 18.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
✓ 19.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
✓ 20.	Vertika Rai, Government P.G. College	M.Sc. 200104	Vertika Rai
✓ 21.	Natasha Yadav, Sri Venkateswara College	B.Sc. (H) Biochem	Natasha Yadav
✓ 22.	Anusita, Shivaji College	B.Sc. (H) Biochem	Anusita
✓ 23.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 24.	Tanya Diga (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Tanya Diga
✓ 25.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 26.	Ayush Chaudhary, Amity University	B.Sc. (H) Biochem	Ayush Chaudhary
✓ 27.	Mohit Vashista, Swami Shradhdharan College	B.Sc. (H) Microbiology	Mohit Vashista
✓ 28.	Bhavya, Shivaji College, DU	B.Sc. (H) Biochem	Bhavya
✓ 29.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 30.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 31.	Anusita, Ramjas College	B.Sc. (H) Biochem	Anusita
✓ 32.	Abhinav (B.C.A.S.)	B.Sc. (H) Biochem	Abhinav
✓ 33.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
✓ 34.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
✓ 35.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
✓ 36.	Vertika Rai, Government P.G. College	M.Sc. 200104	Vertika Rai
✓ 37.	Natasha Yadav, Sri Venkateswara College	B.Sc. (H) Biochem	Natasha Yadav
✓ 38.	Anusita, Shivaji College	B.Sc. (H) Biochem	Anusita
✓ 39.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 40.	Tanya Diga (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Tanya Diga
✓ 41.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 42.	Ayush Chaudhary, Amity University	B.Sc. (H) Biochem	Ayush Chaudhary
✓ 43.	Mohit Vashista, Swami Shradhdharan College	B.Sc. (H) Microbiology	Mohit Vashista
✓ 44.	Bhavya, Shivaji College, DU	B.Sc. (H) Biochem	Bhavya
✓ 45.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 46.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 47.	Anusita, Ramjas College	B.Sc. (H) Biochem	Anusita
✓ 48.	Abhinav (B.C.A.S.)	B.Sc. (H) Biochem	Abhinav
✓ 49.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
✓ 50.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
✓ 51.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
✓ 52.	Vertika Rai, Government P.G. College	M.Sc. 200104	Vertika Rai
✓ 53.	Natasha Yadav, Sri Venkateswara College	B.Sc. (H) Biochem	Natasha Yadav
✓ 54.	Anusita, Shivaji College	B.Sc. (H) Biochem	Anusita
✓ 55.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 56.	Tanya Diga (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Tanya Diga
✓ 57.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 58.	Ayush Chaudhary, Amity University	B.Sc. (H) Biochem	Ayush Chaudhary
✓ 59.	Mohit Vashista, Swami Shradhdharan College	B.Sc. (H) Microbiology	Mohit Vashista
✓ 60.	Bhavya, Shivaji College, DU	B.Sc. (H) Biochem	Bhavya
✓ 61.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 62.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 63.	Anusita, Ramjas College	B.Sc. (H) Biochem	Anusita
✓ 64.	Abhinav (B.C.A.S.)	B.Sc. (H) Biochem	Abhinav
✓ 65.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
✓ 66.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
✓ 67.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
✓ 68.	Vertika Rai, Government P.G. College	M.Sc. 200104	Vertika Rai
✓ 69.	Natasha Yadav, Sri Venkateswara College	B.Sc. (H) Biochem	Natasha Yadav
✓ 70.	Anusita, Shivaji College	B.Sc. (H) Biochem	Anusita
✓ 71.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 72.	Tanya Diga (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Tanya Diga
✓ 73.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 74.	Ayush Chaudhary, Amity University	B.Sc. (H) Biochem	Ayush Chaudhary
✓ 75.	Mohit Vashista, Swami Shradhdharan College	B.Sc. (H) Microbiology	Mohit Vashista
✓ 76.	Bhavya, Shivaji College, DU	B.Sc. (H) Biochem	Bhavya
✓ 77.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 78.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 79.	Anusita, Ramjas College	B.Sc. (H) Biochem	Anusita
✓ 80.	Abhinav (B.C.A.S.)	B.Sc. (H) Biochem	Abhinav
✓ 81.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
✓ 82.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
✓ 83.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
✓ 84.	Vertika Rai, Government P.G. College	M.Sc. 200104	Vertika Rai
✓ 85.	Natasha Yadav, Sri Venkateswara College	B.Sc. (H) Biochem	Natasha Yadav
✓ 86.	Anusita, Shivaji College	B.Sc. (H) Biochem	Anusita
✓ 87.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 88.	Tanya Diga (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Tanya Diga
✓ 89.	Anusita (G.D. Goenka Univ.)	B.Sc. (H) Biotech	Anusita
✓ 90.	Ayush Chaudhary, Amity University	B.Sc. (H) Biochem	Ayush Chaudhary
✓ 91.	Mohit Vashista, Swami Shradhdharan College	B.Sc. (H) Microbiology	Mohit Vashista
✓ 92.	Bhavya, Shivaji College, DU	B.Sc. (H) Biochem	Bhavya
✓ 93.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 94.	Rishi Kumari, Institute of Home Economics, DU	B.Sc. (H) Biochem	Rishi Kumari
✓ 95.	Anusita, Ramjas College	B.Sc. (H) Biochem	Anusita
✓ 96.	Abhinav (B.C.A.S.)	B.Sc. (H) Biochem	Abhinav
✓ 97.	Shruti, Bhaskaracharya College	B.Sc. (H) Microbiology	Shruti
✓ 98.	Megha, Bhaskaracharya College	B.Sc. (H) Microbiology	Megha
✓ 99.	Nikita, Hansraj College	B.Sc. (H) Microbiology	Nikita
✓ 100.	Vertika Rai, Government P.G. College	M.Sc. 200104	Vertika Rai

*Attendance



शिवाजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 4.0)

Summer training program report

The summer training program of research methodology 4.0 is organized by the Department of Biochemistry, Shivaji College, University of Delhi under the aegis of DBT Sponsored Star College Scheme with the supervision of Dr. Jayita Thakur, Dr. Sunita Singh, Dr. Renu Baweja, Dr. Usha Yadav, Dr. Shvetambri and, Dr. Abhijeet Mishra from June 21-July 19, 2024. The program was designed to provide participants with comprehensive training in various aspects of research methodology. It was supervised by esteemed faculty members including Dr. Jayita Thakur, Dr. Sunita Singh, Dr. Renu Baweja, Dr. Usha Yadav, and Dr. Abhijeet Mishra. Total 37 students participated in this program and This training program was structured into six modules, each focusing on a different aspect of research.

The first module was taken by Dr. Renu Baweja in which she introduced participants to the core aspects of research methodology, including types of research, setting objectives, and writing research proposals. Assignments involved reading and summarizing a research paper on ultra-processed food. The next module is followed by Dr. Usha Yadav in which participants get a clear view of the research design and sample design. The session covered different research designs and principles of good experimental design. Practical training included creating Google Forms for data collection. The next week was taken by Dr. Shvetambri, who led the session on bioethics, the importance of avoiding plagiarism, and proper referencing techniques and also about ethical issues in research, plagiarism detection, and various citation styles. The next module was taken by Dr. Sunita Singh, she gave a basic idea for the health camp, and how to collect data from that health camp and digitalization of data, this week health camp was organized on the premises of Shivaji College. This health camp includes various health parameters such as Height, weight, BMI, fat percentage, visceral fat, basic metabolic rate, and body age. The next module was followed by Dr. Jayita Thakur, in which participants learn about many areas of data presentation, data processing, and statistical analysis in the field of biochemistry during the summer training program. Participants learned about various table formats, types of graphs, and advanced statistical techniques and the assignment included creating descriptive tables and visualizing data using Excel. The last module of the training program was covered by Dr. Abhijeet Mishra in which he emphasized the need for well-defined research topic, clear objectives, and thorough preparation to ensure the success of a research project.

The program concluded successfully with a valedictory session and student feedback. The structured approach, practical tasks, and expert guidance provided a comprehensive learning experience, equipping students with essential research skills.

***Report**



शिवाजी कॉलेज
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Shivaji College
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Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 4.0)



Shivaji College
NAAC Accredited Grade "A"
University of Delhi

Department of Biochemistry
(under the aegis of DBT sponsored Star College Scheme)



Department of Biotechnology
Govt. of India

National Summer Training Program (NSTP) on RESEARCH METHODOLOGY 4.0 June 21 – July 19, 2024

LEARNING OUTCOMES

Participants will:

- Learn to design a research-based study and conduct a review of the literature
- Conduct survey-based data collection and organize a health camp
- Analyze data using biostatistics followed by the interpretation of data
- Report the findings of the project with appropriate citations and check for plagiarism

WHO CAN APPLY?

UG and PG students

REQUIREMENT:

Access to Laptop/Desktop
[Click here to register](#)

Last date for registration: June 17, 2024*
*No registration fees. Limited seats are available.
Selected students will be informed through their registered Email ID.
Certificates will be issued after the successful completion of the NSTP.

PROGRAM COORDINATORS	TEACHER-IN-CHARGE	PATRON
Dr. Jayita Thakur, Dr. Renu Baweja, Dr. Sunita Singh, Dr. Shvetambri Dr. Usha Yadav	Dr. Abhijeet Mishra	Prof. Virender Bhardwaj Principal

*Poster



शिवाजी कॉलेज
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Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 4.0)



*Pictures depicting students' participation in Summer Training on Research Methodology 4.0



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(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)

NAAC ACCREDITED "A" GRADE COLLEGE



Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 4.0)

Dr. Abhijeet Mishra

Shivaji College, University of Delhi
Department of Biochemistry
Summer Training Program
Research Methodology 4.0
June 21 - July 19, 2024

S.No.	University and College/Institution	Name of the participant	Department	Course	Semester	Contact No.	16/07	18/07	19/07	Marks (10)
1	Banaras Hindu University	Anushka Singh	Bioinformatics	MSc bioinformatics	II	7463823180				
2	Bhaskaracharya college of applied science	Tarun verma ✓	Biomedical science	Bsc. (H) Biomedical science	IV	9718147969	Present	Present	Present	7
3	Bhaskaracharya college of applied Science	Mohd Dilshad Hussain	Food technology	Bsc (hons) food technology	II	9891269641				
4	Bhaskaracharya College of applied science	Anvesha	Food technology	Bsc (hons) food technology	II	7827916951				
5	Bhaskaracharya College of Applied sciences	Ashish ✓	Biomedical science	Bsc Hons biomedical science	Appearing in 5th semester	9625353218	Present	Present	Present	
6	Bhaskaracharya College of Applied Sciences	Meenalshi ✓	Biomedical Science	B. Sc. (Hons.) Biomedical Science	IV	9899387455	Present	Present	Present	
7	BHASKARACHARYA COLLEGE OF APPLIED SCIENCES	Niharika Das ✓	Biomedical sciences	Biomedical sciences	IV	7428211480	Present	Present	Present	
8	Bhaskaracharya College of Applied sciences	Naina Kumari ✓	Botany	Bsc (Hons)	IV	8287342793	Present	Present	Present	
9	Bhaskaracharya college of applied sciences	Angilina ✓	B.Sc(H) Biomedical science	Bachelor in science	V	7827560059	Present	Present	Present	
10	Bhaskaracharya College Of Applied Sciences	SHUBHAM	Zoology	Bsc(Hons) Zoology	IV	8750826272				
11	Bhaskaracharya college of applied sciences	Kanishk Bisht	Biomedical sciences	Bsc honours biomedical sciences	IV	7011930145	Present	Present	Present	

Dr. Abhijeet Mishra

16/07 18/07 19/07/24

12	Bhaskaracharya College of applied sciences	Gunjan Kumari	Biomedical sciences	B.Sc.(Hons) Biomedical Sciences	IV	9650289968	Present			
13	Bhaskaracharya college of applied sciences	Aarti ✓	Biomedical science	Bsc(Honours) Biomedical science	IV	9311756974	Present	Present	Present	
14	Bhaskaracharya college of applied sciences	Mitali Rajput ✓	Biomedical science	B.Sc (hons) Biomedical science	IV	8860800162	Present	Present	Present	
15	Bhaskaracharya College of applied sciences, DU	Purva Goel ✓	Biomedical Sciences	B.Sc (hons) Biomedical Sciences	IV	7048924483	Present	Present	Present	
16	Bhaskaracharya College of Applied Sciences, University of Delhi	Himanshi Sharma ✓	Biomedical Science	BSc. Hons Biomedical Science	IV	9398973575	Present	Present	Present	
17	Daulat Ram college	Seema parveen	biochemistry	Bsc biochemistry hons	IV	8527343700				
18	Daulat Ram College, Delhi University	Mectanshi Sancheti	Biochemistry Department	BSc(hons) Biochemistry	IV	9873876332				
19	Daulat Ram college, University of Delhi	Reeta ✓	Biochemistry	BSc(Hons.) Biochemistry	IV	9639572566	Present			
20	University of Delhi	Samya jain	Biochemistry	BSc.(H) Biochemistry	IV	7703893523				
21	Daulat Ram College	Chahat	Biochemistry department	Bsc. Hons. Biochemistry	II	9417231077	Present	Present	Present	
22	Deshbandhu College	Jasmine kaur sachdeva ✓	Department of biochemistry	BSc. Honors Biochemistry	IV	9354775431	Present	Present	Present	
23	University of Delhi	Giriraj sain	Biochemistry	BSc (H) Biochemistry	IV	6377624462	Present	Present	Present	
24	University of Delhi	Harsh prakash chaudhari ✓	Department of biochemistry	Bsc(Hons) Biochemistry	IV	7004034773	Present	Present	Present	
25	Deshbandhu College Delhi University	Yashi Gupta	Biochemistry	BSc(H)Biochemistry	II	6200128967				
26	Galgotias university	Harshita	School of basic and applied science	M.sc (microbiology)	II	8287086309				
27	Galgotias University	Lokesh mishra	Msc	Microbiology	II	8578031331				

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 4.0)

Dr. Abhishek Mishra

16/07 18/07 19/07

28	Gargotiya university	Pratibha	SBLs	Microbiology	II	7496003439			
29	Gargotiya University	Saksham	SBLs	M.Sc. (Microbiology)	II	9870743754			
30	Gargi college	Vrinda Talwar	Science	B.Sc. Life Science	V	9968783077			
31	Institute of Home economics	Prachi rai	Biochemistry	Bsc(Hons) Biochemistry	II	7701933023			
32	Institute of home economics	Naina	Biochemistry	Bsc(Hons) Biochemistry	IV	7404154153			
33	Institute of home economics	Lakshita	Bachelor of science	Biochemistry	II	9315445358			
34	Institute Of Home Economics	Soumya	Biochemistry	BSc (Hons) Biochemistry	IV	9311034236			
35	University of Delhi	Swati Mishra	Biochemistry	B.Sc. (H) Biochemistry	IV	8178339375			
36	Institute of home economics University of Delhi	Deepanjana Chakravarty	Biochemistry (interdisciplinary and applied science)	Bsc (Hons) Biochemistry	IV	7995916661			
37	Institute of Home Economics, Delhi University	Shrutii Dabral	Biochemistry	BSc(H) Biochemistry	IV	9911457430			
38	DU	Kanishka Sharma	Biochemistry	BSc (H) Biochemistry	IV	9315867812			
39	Institute of Home Economics, University of Delhi	Heetali Bansal	Biochemistry	BSc (H) Biochemistry	II	9968098095			
40	Hamia Hamdard	NANCY KUMARI	BIOCHEMISTRY	MASTERS	SEM 3	9267983508			
41	Kaundi College (University of Delhi)	Gangun Suwalka	Chemistry department of kaundi college	Bsc(H) Chemistry	IV	9711439357			
42	Kaundi College, DU	Maivish	Chemistry Department	B.Sc.Hons Chemistry	IV	93105327			
43	Manav Rachna International Institute of Research and Studies	Shivesh Raj Singh	Department of Botany	Bsc Botany Hons	II	9958962631			
44	Studies	NAVYA GUPTA	Biotechnology	M.Sc. Biotechnology	II	9654928376			

Dr. Abhishek Mishra

16/07 19/07

45	National Forensic Science University	Nivati Khurana	Forensics	Bsc Msc Forensic Science	IV	8750230292			
46	SGT UNIVERSITY	Anshika	Biotechnology	Msc in biotechnology and bioinformatics	II	9312022210			
47	Shivaji College	Tushar Gupta	Science	Bsc. Hons. Biochemistry	IV	7268991181			
48	Shivaji College	Anushka Nawani	Biochemistry	Biochemistry hons	IV	8077548194			
49	Shivaji college	Rohan kumar	Biochemistry	Bsc (H) biochemistry	II	9212915790			
50	Shivaji College	Swarnil Gupta	Department	B.Sc.(Hons.) Biochemistry	II	9873551863			
51	Shivaji College	Yashi Gulati	Biochemistry	Bsc. (Hons)	II	9773902838			
52	Shivaji college	Vepender	biochemistry	Bsc Hons biochemistry	IV	8360407454			
53	Shivaji college	Priyanka Bisht	Department of Biochemistry	Bsc hons biochemistry	IV	8595620914			
54	Shivaji college	Simran	Department of biochemistry	Bsc(H) biochemistry	II	9871881995			
55	Shivaji College	Gayathri Krishna	Biochemistry	Bac(hon) Biochemistry	IV	8860058133			
56	Shivaji College	Mishika	Biochemistry	Bac(hons) Biochemistry	IV	7428796595			
57	Shivaji College (Delhi University)	Rishabh Singh	Biochemistry	BSc Biochemistry (H)	II	9582899950			
58	Shivaji College University of Delhi	Akriti Chib	Biochemistry	Bsc Hons biochemistry	II	7051763655			
59	Shivaji college, Delhi University	Devender	Biochemistry department	B.Sc (hons) Biochemistry	IV	9205034220			
60	Shivaji college, Delhi University	Md Sajid	Biochemistry	BSc(Hons) biochemistry	II	9643058390			
61	Shivaji College, University of Delhi	Debdatta Chatterjee	Department of Biochemistry	BSc. Biochemistry Honours	IV	9748953403			
62	Shivaji College, University of Delhi	Pooja	Biochemistry department	Bsc Biochemistry Hons	IV	8010908225			
63	Shivaji college, University of Delhi	Vishesh kushwaha	Biochemistry	B.sc(Hons.) Biochemistry	II	9984513294			

*Attendance



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Students' involvement in summer training

Department of Biochemistry (Summer Training on Research Methodology 4.0)

Dr. Abhyjeet Mishra

64	Shivaji College, University of Delhi	Gursheen kaur ✓	Biochemistry	Bsc Biochemistry hons	IV	8595602391	16/07			
65	Sri Aurobindo College, University of Delhi	Nandini	Science	B. Sc Life science	IV	9582271262				
66	Sri Venkateshwara college, Delhi University	Nivedita Kalra	Biochemistry	Bsc(Hons) Biochemistry	II	7982376312				
67	Sri Venkateswara college	Anshika Goyal	Department of biochemistry	bsc. Biochemistry (hon)	II	8826949095				
68	Swami shraddhanand college University of Delhi	Chandraveer Singh	Life science	Bsc life science	IV	9461082352				
69	University of Delhi, Shivaji college	Ismail Raza	Biochemistry department	Bsc H Biochemistry	IV	8709959623				
70	Zakir Hussain Delhi College	Lovely Singh	Science	Bsc. Life science	IV	7542912628				
71.	Bhaskaracharya college of Applied Sciences	Tanvi Sharma ✓	Biomedical Science	Bsc. hons. Biomedical Science	IV	7827765661	Tanvi	Tanvi	Tanvi	
72.	Bhaskaracharya college of Applied Sciences	Aditi Ujjainwal ✓	Biomedical Science	Bsc. hons. Biomedical Science	IV	9910630924	Aditi	Aditi	Aditi	
73.	Bhaskaracharya college of Applied Sciences	Harleen Kaur ✓	Biomedical Science	Bsc(Hons) Biomedical Science	IV	9205072376	Harleen	Harleen	Harleen	
74.	Shivaji College	Neeraj Kumar ✓	Biochemistry	Bsc(H) Biochemistry	IV	750387047	Neeraj	Neeraj	Neeraj	
76	Bhaskaracharya college of Applied Sciences	Ayush Aggarwal ✓	Micro biology	Bsc. H. Microbiology	II	7986828163	Ayush	Ayush	Ayush	

*Attendance



शिवाजी कॉलेज
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Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in summer training

Department of Botany (Summer training on Methods of Quality Control for Medicinal Herbs and Preparations)

Report on the Summer Training Programme: Methods of Quality Control for Medicinal Herbs and Preparations (June 18-26, 2024)

The Department of Botany at Shivaji College, under the auspices of the DBT Star College Scheme, successfully organized a Summer Training Programme on "Methods of Quality Control for Medicinal Herbs and Preparations" from June 18-26, 2024. The training, conducted over nine days, included lectures, hands-on practical sessions, and a field visit. It aimed to enhance students' technical proficiency and conceptual understanding of medicinal herb quality control. The sessions began with an introduction to herbarium techniques and morphological identification of medicinal herbs, offering students foundational skills crucial for botanical research and documentation. Subsequent lectures on microscopic, anatomical, and cytological methods provided insights into structural and cellular aspects of herbs, enabling students to study plant microstructures effectively. Hands-on training in DNA isolation and electrophoresis illuminated modern molecular techniques essential for quality control in herbal medicine. The programme concluded with sessions on phytochemical techniques and chromatography, equipping students with the skills to isolate and analyze plant-based compounds.

A highlight of the programme was the visit to the Delhi Pharmaceutical Sciences and Research University (DPSRU), where participants explored state-of-the-art facilities and observed next-generation DNA sequencing technologies. This exposure bridged the gap between theoretical learning and industrial applications, demonstrating advanced methodologies for phytochemical analysis and the physiological effects of herbal drugs.

The training facilitated the college's outreach by engaging students from Shivaji College and Bhaskaracharya College of Applied Sciences, thereby fostering inter-institutional collaboration. The programme's emphasis on experiential learning underscored its role in preparing students for careers in medicinal research and the pharmaceutical industry, enhancing their employability and academic prospects. In summary, the Summer Training Programme exemplified the integration of theoretical knowledge with practical applications, significantly benefiting the participants' learning journey and contributing to Shivaji College's mission of academic excellence and community engagement.

Prof. Prabhavathi V
Teacher in Charge
Department of Botany



शिवाजी कॉलेज
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Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in summer training

Department of Botany (Summer training on Methods of Quality Control for Medicinal Herbs and Preparations)

Shivaji College
University of Delhi, New Delhi
NAAC Accredited 'A' Grade

Department of Botany
under the aegis of
DBT Star College Scheme
organises

SUMMER TRAINING PROGRAMME
on
Methods of Quality Control for Medicinal Herbs and Preparations

***No registration fee
QR code for Registration

Register at:
<https://forms.gle/8w42m3i3iEovykQ6>

18th to 26th June, 2024
10: 30 am to 5:00 pm

Prof. Anuradha Mal
Convener
DBT Star College Scheme
Department of Botany

Prof. Pratima Rani Sardar
Dr. Anurag Maurya
Dr. Pawan Kumar
Co-conveners
DBT Star College Scheme
Department of Botany

Prof. Prabhavathi V
Teacher in Charge
Department of Botany

Patron
Prof. Virender Bhardwaj
Principal

*Poster



शिवाजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)

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Students' involvement in summer training

Department of Botany (Summer training on Methods of Quality Control for Medicinal Herbs and Preparations)



***Pictures depicting students' participation in Summer Training on Methods of Quality Control for Medicinal Herbs and Preparations**



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(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)

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Students' involvement in summer training

Department of Botany (Summer training on Methods of Quality Control for Medicinal Herbs and Preparations)

Department of Botany, Shivaji College
Summer Training Programme on 'Methods of Quality Control for Medicinal Herbs and Preparations'
June 18-25, 2024
Attendance

S. No.	Name of Participant	College Roll No.	Course	Sex	Name of the College	18.6.24	19.6.24	20.6.24	21.6.24	22.6.24	23.6.24	24.6.24	25.6.24
1.	Aaradh	2500018	B.Sc. (H)	2	Shivaji College, University of Delhi								
2.	Md Sajid	2500030	B.Sc. (H)	2	Shivaji College, University of Delhi								
3.	Mahesh	2500030	B.Sc. (H)	2	Shivaji College, University of Delhi								
4.	Prachi	2500032	B.Sc. (H)	2	Shivaji College, University of Delhi								
5.	Soumit	2500034	B.Sc. (H)	2	Shivaji College, University of Delhi								
6.	Rishabh	2500042	B.Sc. (H)	2	Shivaji College, University of Delhi								
7.	Vishakh	2500057	B.Sc. (H)	2	Shivaji College, University of Delhi								
8.	Rishi	2500061	B.Sc. (H)	2	Shivaji College, University of Delhi								
9.	Shubham	2500073	B.Sc. (H)	2	Shivaji College, University of Delhi								
10.	Aaditya	2500080	B.Sc. (H)	2	Shivaji College, University of Delhi								
11.	Ajay	2500084	B.Sc. (H)	2	Shivaji College, University of Delhi								
12.	Ashish	2500085	B.Sc. (H)	2	Shivaji College, University of Delhi								
13.	Shubh	2500086	B.Sc. (H)	2	Shivaji College, University of Delhi								
14.	Chirag	2500087	B.Sc. (H)	2	Shivaji College, University of Delhi								
15.	Rakesh	2500088	B.Sc. (H)	2	Shivaji College, University of Delhi								
16.	Sandeep	2500089	B.Sc. (H)	2	Shivaji College, University of Delhi								
17.	Amit	2500090	B.Sc. (H)	2	Shivaji College, University of Delhi								
18.	Amit	2500091	B.Sc. (H)	2	Shivaji College, University of Delhi								
19.	Amit	2500092	B.Sc. (H)	2	Shivaji College, University of Delhi								
20.	Amit	2500093	B.Sc. (H)	2	Shivaji College, University of Delhi								
21.	Amit	2500094	B.Sc. (H)	2	Shivaji College, University of Delhi								
22.	Amit	2500095	B.Sc. (H)	2	Shivaji College, University of Delhi								
23.	Amit	2500096	B.Sc. (H)	2	Shivaji College, University of Delhi								
24.	Amit	2500097	B.Sc. (H)	2	Shivaji College, University of Delhi								
25.	Amit	2500098	B.Sc. (H)	2	Shivaji College, University of Delhi								
26.	Amit	2500099	B.Sc. (H)	2	Shivaji College, University of Delhi								
27.	Amit	2500100	B.Sc. (H)	2	Shivaji College, University of Delhi								
28.	Amit	2500101	B.Sc. (H)	2	Shivaji College, University of Delhi								
29.	Amit	2500102	B.Sc. (H)	2	Shivaji College, University of Delhi								
30.	Amit	2500103	B.Sc. (H)	2	Shivaji College, University of Delhi								
31.	Amit	2500104	B.Sc. (H)	2	Shivaji College, University of Delhi								
32.	Amit	2500105	B.Sc. (H)	2	Shivaji College, University of Delhi								
33.	Amit	2500106	B.Sc. (H)	2	Shivaji College, University of Delhi								
34.	Amit	2500107	B.Sc. (H)	2	Shivaji College, University of Delhi								
35.	Amit	2500108	B.Sc. (H)	2	Shivaji College, University of Delhi								
36.	Amit	2500109	B.Sc. (H)	2	Shivaji College, University of Delhi								
37.	Amit	2500110	B.Sc. (H)	2	Shivaji College, University of Delhi								
38.	Amit	2500111	B.Sc. (H)	2	Shivaji College, University of Delhi								
39.	Amit	2500112	B.Sc. (H)	2	Shivaji College, University of Delhi								
40.	Amit	2500113	B.Sc. (H)	2	Shivaji College, University of Delhi								
41.	Amit	2500114	B.Sc. (H)	2	Shivaji College, University of Delhi								
42.	Amit	2500115	B.Sc. (H)	2	Shivaji College, University of Delhi								
43.	Amit	2500116	B.Sc. (H)	2	Shivaji College, University of Delhi								
44.	Amit	2500117	B.Sc. (H)	2	Shivaji College, University of Delhi								
45.	Amit	2500118	B.Sc. (H)	2	Shivaji College, University of Delhi								
46.	Amit	2500119	B.Sc. (H)	2	Shivaji College, University of Delhi								
47.	Amit	2500120	B.Sc. (H)	2	Shivaji College, University of Delhi								
48.	Amit	2500121	B.Sc. (H)	2	Shivaji College, University of Delhi								
49.	Amit	2500122	B.Sc. (H)	2	Shivaji College, University of Delhi								
50.	Amit	2500123	B.Sc. (H)	2	Shivaji College, University of Delhi								
51.	Amit	2500124	B.Sc. (H)	2	Shivaji College, University of Delhi								
52.	Amit	2500125	B.Sc. (H)	2	Shivaji College, University of Delhi								
53.	Amit	2500126	B.Sc. (H)	2	Shivaji College, University of Delhi								
54.	Amit	2500127	B.Sc. (H)	2	Shivaji College, University of Delhi								
55.	Amit	2500128	B.Sc. (H)	2	Shivaji College, University of Delhi								
56.	Amit	2500129	B.Sc. (H)	2	Shivaji College, University of Delhi								
57.	Amit	2500130	B.Sc. (H)	2	Shivaji College, University of Delhi								
58.	Amit	2500131	B.Sc. (H)	2	Shivaji College, University of Delhi								
59.	Amit	2500132	B.Sc. (H)	2	Shivaji College, University of Delhi								
60.	Amit	2500133	B.Sc. (H)	2	Shivaji College, University of Delhi								
61.	Amit	2500134	B.Sc. (H)	2	Shivaji College, University of Delhi								
62.	Amit	2500135	B.Sc. (H)	2	Shivaji College, University of Delhi								
63.	Amit	2500136	B.Sc. (H)	2	Shivaji College, University of Delhi								
64.	Amit	2500137	B.Sc. (H)	2	Shivaji College, University of Delhi								
65.	Amit	2500138	B.Sc. (H)	2	Shivaji College, University of Delhi								
66.	Amit	2500139	B.Sc. (H)	2	Shivaji College, University of Delhi								
67.	Amit	2500140	B.Sc. (H)	2	Shivaji College, University of Delhi								
68.	Amit	2500141	B.Sc. (H)	2	Shivaji College, University of Delhi								
69.	Amit	2500142	B.Sc. (H)	2	Shivaji College, University of Delhi								
70.	Amit	2500143	B.Sc. (H)	2	Shivaji College, University of Delhi								
71.	Amit	2500144	B.Sc. (H)	2	Shivaji College, University of Delhi								
72.	Amit	2500145	B.Sc. (H)	2	Shivaji College, University of Delhi								
73.	Amit	2500146	B.Sc. (H)	2	Shivaji College, University of Delhi								
74.	Amit	2500147	B.Sc. (H)	2	Shivaji College, University of Delhi								
75.	Amit	2500148	B.Sc. (H)	2	Shivaji College, University of Delhi								
76.	Amit	2500149	B.Sc. (H)	2	Shivaji College, University of Delhi								
77.	Amit	2500150	B.Sc. (H)	2	Shivaji College, University of Delhi								
78.	Amit	2500151	B.Sc. (H)	2	Shivaji College, University of Delhi								
79.	Amit	2500152	B.Sc. (H)	2	Shivaji College, University of Delhi								
80.	Amit	2500153	B.Sc. (H)	2	Shivaji College, University of Delhi								
81.	Amit	2500154	B.Sc. (H)	2	Shivaji College, University of Delhi								
82.	Amit	2500155	B.Sc. (H)	2	Shivaji College, University of Delhi								
83.	Amit	2500156	B.Sc. (H)	2	Shivaji College, University of Delhi								
84.	Amit	2500157	B.Sc. (H)	2	Shivaji College, University of Delhi								
85.	Amit	2500158	B.Sc. (H)	2	Shivaji College, University of Delhi								
86.	Amit	2500159	B.Sc. (H)	2	Shivaji College, University of Delhi								
87.	Amit	2500160	B.Sc. (H)	2	Shivaji College, University of Delhi								
88.	Amit	2500161	B.Sc. (H)	2	Shivaji College, University of Delhi								
89.	Amit	2500162	B.Sc. (H)	2	Shivaji College, University of Delhi								
90.	Amit	2500163	B.Sc. (H)	2	Shivaji College, University of Delhi								
91.	Amit	2500164	B.Sc. (H)	2	Shivaji College, University of Delhi								
92.	Amit	2500165	B.Sc. (H)	2	Shivaji College, University of Delhi								
93.	Amit	2500166	B.Sc. (H)	2	Shivaji College, University of Delhi								
94.	Amit	2500167	B.Sc. (H)	2	Shivaji College, University of Delhi								
95.	Amit	2500168	B.Sc. (H)	2	Shivaji College, University of Delhi								
96.	Amit	2500169	B.Sc. (H)	2	Shivaji College, University of Delhi								
97.	Amit	2500170	B.Sc. (H)	2	Shivaji College, University of Delhi								
98.	Amit	2500171	B.Sc. (H)	2	Shivaji College, University of Delhi								
99.	Amit	2500172	B.Sc. (H)	2	Shivaji College, University of Delhi								
100.	Amit	2500173	B.Sc. (H)	2	Shivaji College, University of Delhi								

Prof. Prabhavathi V
Teacher in Charge
Department of Botany

* Attendance



Students' involvement in summer training

Department of Zoology (Summer Training on Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures)

A hands-on summer training was conducted by the faculty members of Department of Zoology under the aegis of DBT Star College Scheme from June 27th – July 5th 2023 in Zoology Laboratories I and II. A total of six modules were conducted over this duration pertaining to assessment of physical and mental wellness and to educate the students about remedial measures as well to lead a healthy and balanced life ahead. The detailed reports of modules as well as pictures of the same are as follows:

Module I: Hemolytic Assay [June 27, 2023]

Resource Persons: Dr. Rakesh Roshan & Dr. Deepika Yadav

A hemolysis assay is a laboratory test used to assess the ability of certain substances to lyse or rupture erythrocytes. Hemolysis can occur due to the action of various agents, such as toxins,

chemicals, or enzymes. The assay is commonly used in medical and research settings for different purposes, including toxicity testing, drug development, immunological research, diagnostics and the study of various biological phenomena.

Students also gained hands-on experience for using micropipettes and handling equipment like cooling centrifuge, water bath, and microplate reader etc.

Module II: Identification of Haemo-parasites [June 28, 2023]

Resource Persons: Dr. Neetu Singh

***Report**



Students' involvement in summer training

Department of Zoology (Summer Training on Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures)

This module enhanced the understanding of the students on discrimination of morphological ambiguity of haemoparasites and also learned significant steps to prepare slide for their microscopic examination.

Module III: Microbial Culturing of body fluids [June 30, 2023]

Resource Persons: Dr. Sunita Gupta & Dr. Nidhi Garg

Body fluid balance is essential for homeostasis. Body fluids can be used for the **diagnosis of any disease or medical condition**. In the current module we chose to use the body fluid saliva for conducting the experiments. **Saliva sample collection** is a simple, flexible, convenient, non-invasive, painless, economical and efficient method for obtaining DNA, RNA and for knowing the oral microbiome. This collection method will not cause any discomfort to the collectors, and is easy to be accepted, so it can maximize the sampling range of gene research. The students collected the saliva in a glass measuring cylinder and then diluted the saliva sample. This was followed by plating 100µl of the sample on LB Agar plate in the laminar flowhood and these plates were kept at 37°C in the incubator. The students then observed the culture plates the following day. Gram staining of the bacteria was carried out using the Gram staining kit (HiMedia) and both the Gram positive and Gram negative bacteria were observed under the microscope. The students were able to learn the following-

- Preparation of culture media and autoclaving.
- Pouring of culture media and preparation of LB agar plates.
- Working in laminar flow hood.
- Obtaining and processing the biological sample like saliva.
- Spreading of the biological sample on LB-agar plate.
- Gram staining of both Gram-positive and Gram-negative bacteria and their identification through the use of microscope.

***Report**



शिवाजी कॉलेज
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Students' involvement in summer training

Department of Zoology (Summer Training on Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures)

Module IV: Assessment of BMI, BMR, Subcutaneous Fat Deposition, Harvard Step Test & Spirometry based Lung function Test [July 3, 2023]

Resource Persons: Dr. Aeshna Nigam & Dr. Ankita Dua

In the current era of technology where every task is just a button click away, sedentary lifestyle is leading to major disorders even in the youth of this generation. This module was an eye-opener for all students as it lead to assessment of their physical well being by these tests:

- Assessment of BMI
- Assessment of BMR
- Checking for Subcutaneous Fat Deposition
- Calculating Physical Fitness Index (PFI) using Harvard Step Test
- Performing Spirometry based Lung function Tests

Students were told about the normal healthy ranges of these tests and even the ones that were border line dangerous values. They were counselled as well on how to lead a healthier lifestyle and exercise to lead healthy life.

Module V: Microtomy & Histopathological Study [July 4, 2023]

Resource Persons: Ms. Nimita Kant & Mr. Manish K. Sachdeva

On day 5 of the summer training, the participants were given an introduction to Histology, which is the branch of biology which studies the microscopic anatomy of biological tissues and the 'Basics Of Microtomy: Principles & Procedures'. The students were given hands on experience in handling the tissue and processing it to prepare permanent slide to observe various components of the cell. The sample and slide preparation is a crucial step for histological or cytological observation. It is essential to highlight what needs to be observed and to immobilize the sample at a particular point in time and with characteristics close to those of its living state. The students were able to gain hands-on experience in laboratory techniques, including tissue processing, embedding, sectioning, staining, and microscopy. We developed skills in using microtomes, preparing high-quality tissue sections, and performing staining procedures for visualizing cellular structures and pathological changes.

*Report



शिवाजी कॉलेज
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Students' involvement in summer training

Department of Zoology (Summer Training on Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures)

Module VI: Measurement of depression & anxiety using Hamilton rating scale [July 5, 2023]

Resource Persons: Dr. Jitendra K. Chaudhary & Dr. Tsewang Namgial

The lecture module relating to the measurement of depression and anxiety provided a comprehensive overview of assessment tools used in clinical practice and research. It highlighted the significance of accurate measurement in understanding and treating these mental health conditions. By discussing both self-report and clinician-rated measures, as well as specific tools for different

anxiety disorders, the resource person emphasized the need for a nuanced and multifaceted approach to assessment.

Overall, the lecture successfully provided valuable insights into the measurement of depression and anxiety, equipping the participants with knowledge that can contribute to improved understanding of anxiety and depression.

*Report

SHIVAJI COLLEGE
NAAC ACCREDITED GRADE 'A'
(University of Delhi)

DEPARTMENT OF ZOOLOGY
UNDER THE AEGIS OF DBT STAR COLLEGE SCHEME
organizes

Summer Training Programme
on
**"ASSESSMENT OF PHYSICAL AND MENTAL WELLNESS:
CLINICAL RELEVANCE & REMEDIAL MEASURES"**
June 27 to July 5, 2023

For registration

- For UG/ PG Science students
- Limited seats are available
- No Registration Fee
- E-certificates will be provided

Link:
<https://forms.gle/Mgedb0t8e2S4RT5AF5>

Venue: Zoology Lab 2
Last Date: June 23, 2023

Organising Team: Department of Zoology
Convener: Dr. Deepika Yadav
Co-Conveners: Ms. Minakshi, Dr. Ankita Das, Dr. Rishika K. Choudhary
Patron: Prof. Mohi Kumer Sahdev, Principal

*Poster



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(University of Delhi)

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Students' involvement in summer training

Department of Zoology (Summer Training on Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures)



***Pictures depicting students' involvement in Summer Training on Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures**



Students' involvement in additional Experiments

Department of Botany

Additional Experiments

1. Demonstration of cellulose lysis potential of cellulose-degrading bacteria and
2. Culture of endophytic fungi from root and shoot of *Amarantus viridis*



*Picture



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(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)



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Students' involvement in additional Experiments

Department of Botany

Additional Experiment
Under DBT Star College Scheme
Department of Botany, Shivaji College

Aim: Demonstration of cellulose lysis potential of cellulose-degrading bacteria

Resource Persons:
Dr. Anurag Maurya
Dr. Mishra Yadav
Dr. Pawan Kumar

Date: 11/03/2024

Participating Students: # 56

S. N.	Full Name	Course	Sem	Section	Signature
1.	Deepali Singh	BSc(H) Botany	6	N/A	Deepali Singh
2.	Aayushi Yadav	BSc(H) Botany	6	N/A	Aayushi
3.	Aayushi Mehra	BSc(H) Botany	6	N/A	Aayushi
4.	Sneha Goyal	BSc(H) Botany	6	N/A	Sneha
5.	Manu Chaudhary	BSc(H) Botany	6	N/A	Manu Chaudhary
6.	Supriya	BSc(H) Botany	6	N/A	Supriya
7.	Iyoti	BSc(H) Botany	6	N/A	Iyoti
8.	Anisha Singh	BSc(H) Botany	6	N/A	Anisha
9.	Sanjivani Jaglan	BSc(H) Botany	6	N/A	Sanjivani
10.	Ansh Kumar	B.Sc(H) Botany	6	N/A	Ansh
11.	Sarthak	B.Sc(H) Botany	6	N/A	Sarthak
12.	Palak Gupta	B.Sc(H) Botany	6	N/A	Palak
13.	Yaichenbi Sanasam	B.Sc(H) Botany	6	N/A	Yaichenbi
14.	Sanwari Jain	B.Sc(H) Botany	6	N/A	Sanwari
15.	Karanish Bhardwaj	B.Sc(H) Botany	6	N/A	Karanish
16.	Sanija Pooveen	BSc(H) Bot.	6	N/A	Sanija
17.	Manisha	BSc(H) Bot.	6	N/A	Manisha
18.	Mahima Sharma	B.Sc(H) Bot.	6	N/A	Mahima
19.	Khushi Singh	B.Sc(H) Bot.	6	N/A	Khushi
20.	Kundan Singh	B.Sc(H) Bot.	6	N/A	Kundan Singh
21.	Sakshi Singh	B.Sc(H) Bot.	6	N/A	Sakshi
22.	Achya Baudhan	B.Sc(H) Bot.	6	N/A	Achya
23.	Tanvi Dhall	B.Sc(H) Science	6	N/A	Tanvi
24.	Anusha	"	6	N/A	Anusha

*Attendance



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Shivaji College

(University of Delhi)



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Students' involvement in additional Experiments

Department of Botany

2

25.	Akanksha Singh	BSc Life Science			@Singh
26.	Riya Tiwari	BSc Life Science			Riya Tiwari
27.	Amrita	BSc Life Science			Amrita
28.	Siddhant Singh	BSc. Life Science			Siddhant
29.	Utkal Kant	BSc Life Sci			Utkal
30.	Sourjit Kondor	BSc Life Science			Sourjit
31.	Yuvraj Tripathi	BSc. Life Science			Yuvraj
32.	Lucky	BSc. Life Science			Lucky
33.	Arpit Kumar	"			Arpit
34.	Mayank Chaurhan	BSc Life Scienc			Mayank
35.	Abhishek Biswas	"			Abhishek
36.	Afreer	"			Afreer
37.	Anelil Prajapati	"			Anelil
38.	Angal Singh	"			Angal
39.	Vanya Tomar	"			Vanya
40.	Sudesh Kumar	"			Sudesh
41.	Anjali kumar	"			Anjali
42.	Pinki	"			Pinki
43.	Afreer	"			Afreer
44.	Sa Nidhi Mishra	"			Nidhi
45.	Jahnavi Singh	"	2		Jahnavi
46.	Diksha Joshi	"	2	B	Diksha
47.	Ashwani Kaur	"	2	B	Ashwani
48.	Deep - Patel	"	2	B	Deep
49.	Ashish Sahu	"	2	B	Ashish
50.	Tanishq	"	2	D	Tanishq
51.	Rachit Yadav	"	2	B	Rachit
52.	Harshita	"	2	B	Harshita
53.	Riyush Singh	"	2	B	Riyush
54.	Aashi K.	"	4	'A'	Aashi K.
55.	Ambuj	"	4	'A'	Ambuj
56.	Aayushmaan	"	4	'A'	Aayush

Mike

*Attendance



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Shivaji College

(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in additional Experiments

Department of Botany

Additional Experiment
Under DBT Star College Scheme
Department of Botany, Shivaji College

Aim: Culture of endophytic fungi from root and shoot of *Amarantus viridis*

Resource Persons:
Dr. Anisha Yadav, Krishna
Dr. Anshu Mehta, Samrat
Dr. Anshu Kumar, DCP

Date: 11/03/2024

Participating Students: 56

S. N.	Full Name	Course	Sem	Section	Signature
1.	Deepali Singh	BSc(H) Botany	6	N/A	Deepali Singh
2.	Anshu Yadav	BSc(H) Botany	6	N/A	Anshu
3.	Anshu Mehta	BSc(H) Botany	6	N/A	Anshu
4.	Anshu Kumar	B.Sc(H) Botany	6	N/A	Anshu
5.	Manu Chaudhary	B.Sc(H) Botany	6	N/A	Manu Chaudhary
6.	Supriya	B.Sc(H) Botany	6	N/A	Supriya
7.	Trupti	B.Sc(H) Botany	6	N/A	Trupti
8.	Anisha Singh	BSc(H) Botany	6	N/A	Anisha
9.	Sanjivani Jaglan	BSc(H) Botany	6	N/A	Sanjivani
10.	Palak Gupta	BSc(H) Botany	6	N/A	Palak
11.	Ansh Kumar	BSc(H) Botany	6	N/A	Ansh
12.	Sarthak	BSc(H) Botany	6	N/A	Sarthak
13.	Yashenki Samam	B.Sc(H) Botany	6	N/A	Yashenki
14.	Samwari Jain	BSc(H) Botany	6	N/A	Samwari
15.	Sanika Praveen	BSc(H) Botany	6	N/A	Sanika
16.	Manisha	BSc(H) Bot.	6	N/A	Manisha
17.	Kanak Bhardwaj	BSc(H) Botany	6	N/A	Kanak
18.	Mahima Sharma	B.Sc(H) Bot.	6	N/A	Mahima
19.	Sakshi Singh	B.Sc(H) Bot.	6	N/A	Sakshi
20.	Khushi Singh	B.Sc(H) Bot.	6	N/A	Khushi
21.	Kundan Singh	B.Sc(H) Bot.	6	N/A	Kundan Singh
22.	Aditya Bhardwaj	B.Sc(H) Bot.	6	N/A	Aditya
23.	Lalningori	BSc Life Science	2		Lalningori
24.	Ankita	BSc Life Science	2		Ankita

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in additional Experiments

Department of Botany

(2)

25.	Deepali Gupta	B.Sc. life science	2		Deepali
26.	Sigam. Patel	B.Sc. life sci	2		Sigam
27.	Tanishq Dhaka	Bsc life sci	2		Tanishq
28.	Ashish Kumar Saha	Bsc. life sci	2		Ashish
29.	Rohitani Pradhan	Bsc life science	2		Rohitani
30.	Lucky	B.Sc life science			Lucky
31.	Yuvraj Tripathi	B.Sc life science			Yuvraj
32.	Anjali Singh	"			Anjali
33.	Vanya Toman	"			Vanya
34.	Muzam Chaudhary	"			Muzam
35.	Sweety Kumari	"			Sweety
36.	Riya Tiwari	"			Riya Tiwari
37.	Aarisha Singh	"	2		Aarisha
38.	Pinki	"	2		Pinki
39.	Afreen	"	2		Afreen
40.	Jahnavi Singh	"	2		J. Singh
41.	Midhi Mishra	"	2		Midhi
42.	Anjali Kumari	"	2		Anjali
43.	Arpit Kumar	"	2		Arpit
44.	Diksha Joshi	"	2		Diksha
45.	Tanishq Bhatt	"	2		Tanishq
46.	Aayush Anand Singh	"	2		Aayush
47.	Sumit K	"	2		Sumit
48.	Tora	"	2		Tora
49.	Sahil K	"	2		Sahil
50.	Rachit Yadav	"	2		Ry
51.	Bhishik Bhat	"	2		Bhishik
52.	Abhishek	"	2		Abhishek
53.	Siddhant Singh	"	2		Siddhant
54.	Snehal Pragaspati	"			Snehal
55.	Aashi Kumari	"	4	'A'	Aashi
56.	Ambuj	"	4	'A'	Ambuj

Misha

*Attendance



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Students' involvement in additional Experiments

Department of Botany

3. Isolation of microbes from the rhizosphere of *Amarantus viridis*

and

4. Aim: Determination of antimicrobial activity of curcumin by disc diffusion method



*Pictures



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NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in additional Experiments

Department of Botany

Additional Experiment
Under DBT Star College Scheme
Department of Botany, Shivaji College

Aim: Isolation of microbes from the rhizosphere of *Amarantus viridis*

Resource Persons: *Dr. Prabhavathi V* *Dr. Nupur Mondal* *Dr. Anurag Mittal* *Dr. Anurag Mittal* *Dr. Anurag Mittal*

Date: 04/04/2024

Participating Students: 56

S. N.	Full Name	Course	Sem	Section	Signature
1.	Deepali Singh	Bsc(H) Botany	6	N/A	Deepali Singh
2.	Sneha Goyal	B.Sc(H) Botany	6	N/A	Sneha
3.	Ayushi Yadav	BSC(H) Botany	6	N/A	Ayushi
4.	Ayushi Mehra	BSC(H) Botany	6	N/A	Ayushi
5.	Manul Chaudhary	Bsc(H) Botany	6	N/A	Manul Chaudhary
6.	Supriya	BSC(H) Botany	6	N/A	Supriya
7.	Jyoti	BSC(H) Botany	6	N/A	Jyoti
8.	Anusha Singh	BSC(H) Botany	6	N/A	Anusha
9.	Sanjivani Jaglan	Bsc(H) Botany	6	N/A	Sanjivani
10.	Ansh Kumar	Bsc(H) Botany	6	N/A	Ansh
11.	Sarthak	BSC(H) Botany	6	N/A	Sarthak
12.	Palak Gupta	B.Sc(H) Botany	6	N/A	Palak
13.	Yaichenbi Sanasam	B.Sc(H) Botany	6	N/A	Yaichenbi
14.	Samwari Jain	BSC(H) Botany	6	N/A	Samwari
15.	Saniya Praveen	BSC(H) Bot	6	N/A	Saniya
16.	Manisha	BSC(H) Bot	6	N/A	Manisha
17.	Kanak Bhardwaj	BSC(H) Botany	6	N/A	Kanak
18.	Mahima Sharma	B.Sc(H) Bot	6	N/A	Mahima
19.	Sakshi Singh	B.Sc(H) Bot	6	N/A	Sakshi
20.	Rishi Singh	B.Sc(H) Bot	6	N/A	Rishi
21.	Kundan Singh	BSC(H) Bot	6	N/A	Kundan Singh
22.	Aditya Bhardwaj	B.Sc(H) Bot	6	N/A	Aditya
23.	Aniket Singh Chauhan	BSC Life Science	2	B	Aniket
24.	Pinkki	"	2	B	Pinkki

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in additional Experiments

Department of Botany

25.	Niksha Joshi	Bsc. Life Science	2	B	Niksha
26.	Neha Sharma	BSc. Life Science	2	B	Neha
27.	Rachit Yadav	BSc Life Science	2	A	Rachit
28.	Shipal	BSc Life Science			Shipal
29.	Priyush Ranjan	BSc Life Science			Priyush
30.	Harshita Chopra	B.Sc Life Sci	2	B	Harshita
31.	Jhonvi Singh	BSc. Life Sci	2	B	J. Singh
32.	Sagar	BSc Life Sci	2	B	Sagar
33.	Ashish Salu	BSc. Life Sci	2	B	Ashish
34.	Tanishq	BSc. Life Sci	2	D	Tanishq
35.	Ameeta	BSc. Life Science	2	B	Ameeta
36.	Riya Tiwari	BSc Life Science	2	B	Riya Tiwari
37.	Ashwari Bhandari	BSc. Life Sci.	2	B	Ashwari
38.	Siddhant Singh	BSc Life Science	2	B	Siddhant
39.	Utkarsh	BSc Life Sci	2	B	Utkarsh
40.	Surojit Kumar	BSc Life Sci	2	B	Surojit
41.	Kurraj Tripathi	BSc "	2	B	Kurraj
42.	Lucky	"	2	B	Lucky
43.	Arpit	"	2	B	Arpit
44.	Neeraj Kumar				Neeraj
45.	Anshul Prajapati	"			Anshul
46.	Susanty Kumari	"			Susanty
47.	Akanksha Singh	"	2	B	Akanksha
48.	Tanishq Dha	"	2	B	Tanishq
49.	Ashish Salu	"	2	B	Ashish
50.	Sagar	"	2	B	Sagar
51.	Anjali Kumari	"	2		Anjali
52.	Anjali Singh				Anjali
53.	Vanya Tomar				Vanya
54.	Abhishek	"	2		Abhishek
55.	Aashi Kumari	"	4	A	Aashika
56.	Anjali Chaudhary	"	4	A	Anjali

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in additional Experiments

Department of Botany

Interdisciplinary Experiment
Under DBT Star College Scheme
Department of Botany, Shivaji College

Aim: Determination of antimicrobial activity of curcumin by disc diffusion method.

Resource Persons:
Dr. Prabhatkathi V. *Prabhatkathi V.*
Dr. Nupur Mondal *Nupur Mondal*
Dr. Anurag Maurya *Anurag Maurya*

Participating Students: #56

Date: 08/01/2024

S. N.	Full Name	Course	Sem	Section	Signature
1.	Deepali Singh	B.Sc.(H) Botany	6	N/A	Deepali Singh
2.	Sneha Chahal	B.Sc.(H) Botany	6	N/A	Sneha
3.	Ayushi Yadav	B.Sc.(H) Botany	6	N/A	Ayushi
4.	Ayushi Mehra	B.Sc.(H) Botany	6	N/A	Ayushi
5.	Mahesh Chaudhary	B.Sc.(H) Botany	6	N/A	Mahesh Chaudhary
6.	Supriya	B.Sc.(H) Botany	6	N/A	Supriya
7.	Syoti	B.Sc.(H) Botany	6	N/A	Syoti
8.	Anisha Singh	B.Sc.(H) Botany	6	N/A	Anisha
9.	Ansh Kumar	B.Sc.(H) Botany	6	N/A	Ansh
10.	Palak Gupta	B.Sc.(H) Botany	6	N/A	Palak
11.	Saithak	B.Sc.(H) Botany	6	N/A	Saithak
12.	Sanjivani Jaglan	B.Sc.(H) Botany	6	N/A	Sanjivani
13.	Yachinbi Banasam	B.Sc.(H) Botany	6	N/A	Yachinbi
14.	Sanwari Jain	B.Sc.(H) Botany	6	N/A	Sanwari
15.	Kanak Bhardwaj	B.Sc.(H) Botany	6	N/A	Kanak
16.	Saniya Poaveen	B.Sc.(H) Bot.	6	N/A	Saniya
17.	Marisha	B.Sc.(H) Bot.	6	N/A	Marisha
18.	Mahima Sharma	B.Sc.(H) Bot	6	N/A	Mahima
19.	Khushi Singh	B.Sc.(H) Bot	6	N/A	Khushi
20.	Sakshi Singh	B.Sc.(H) Bot	"	"	Sakshi
21.	Kundan Singh	B.Sc.(H) Bot	"	"	Kundan Singh
22.	Aditya Bawahan	"	"	"	Aditya
23.	Abhilash Prajapati	B.Sc. Life Science	"	"	Abhilash
24.	Afreen	B.Sc. Life Sci	"	N/A	Afreen

***Attendance**



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NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in additional Experiments

Department of Botany

25.	Akhilshik Biswas	Bsc Lifesci	"	N/A	Akhilshik
26.	Mayank Chaudhary	Bsc Life Sci	"	N/A	Mayank Chaudhary
27.	Rishit Kumar	B. sc. life Sci	"	N/A	Rishit
28.	Sarajit Mondal	Bsc Life Science	"	N/A	Sarajit
29.	Ananta	Bsc. Life Science	"	"	Ananta
30.	Riya Tiwari	BSc. Life Science	"	"	Riya Tiwari
31.	Siddhant Singh	Bsc. Life Science	"	"	Siddhant
32.	Utpal Kanti	Bsc. Life Sci	"	"	Utpal
33.	Yograj Tripathi	Bsc. Life Science	"	"	Yograj
34.	Lucky	BSc Life Science	"	"	Lucky
35.	Sweetie Kumari	BSc. Life Sci.	"	"	Sweetie
36.	Anjali Kumari	B. sc. Life Sci	"	"	Anjali
37.	Aayush Arund Singh	B. Sc. life sci	"	"	Aayush
38.	Tanishq Bhatt	B. Sc. Life Sci	"	"	Tanishq
39.	Akshita Joshi	Bsc Life Sci	2	B	Akshita
40.	Rachit Yadav	BSc Life Sci	1	B	Rachit
41.	Ashwini Gantam	BSc Life Sci	"	B	Ashwini
42.	Snehal Prajapati	Bsc. Life Science	"	"	Snehal
43.	Pinki	"	"	B	Pinki
44.	Nidhi Mishra	"	"	B	Nidhi
45.	Akanksha Singh	"	"	B	Akanksha
46.	Anjali Singh	"	"	"	Anjali
47.	Vanya Sharma	"	"	"	Vanya
48.	Divya	"	"	"	Divya
49.	Piyush Ranjan	"	"	"	Piyush
50.	Deepali	Bsc. Life Science	4	A	Deepali
51.	Aayushmaan	"	4	A	Aayush
52.	Aashi	"	4	A	Aashi
53.	Ankur	"	4	A	Ankur
54.	Teha Sani	"	4	A	Teha
55.	Mahid Usaid Khan	"	4	A	Mahid
56.	Jashika Datta	"	4	A	Jashika

*Attendance



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NAAC ACCREDITED "A" GRADE COLLEGE

Students' involvement in additional Experiments

Department of Chemistry

DBT sponsored Star College Scheme
Inter-Disciplinary Experiments and Additional Practicals

Attendance Sheet
Session 2023-24

Name of the Experiment: Estimation of free chlorine in given water sample

Name of the Teachers Involved: Dr. Pallavi Aggarwal & Dr. Shilpa

Signature of Teachers: [Signatures]

Date of conduct of the Experiment: 08/11/2023

S.No.	Name of the Student	Name of the Course along with Semester	Roll No.	Signature
1	Tyoti Sharma	B.Sc. Life Science (V sem)	21/23020	Tyoti
2	Yashvi Pal	B.Sc. Life Science (V sem)	21/23006	Yashvi
3	Saumya Kushwaha	B.Sc. Life Science (V sem)	21/23013	Saumya
4	Rishi Kumar	B.Sc. Life Science (V sem)	21/23021	Rishi
5	Ashwan Alam	B.Sc. Life Science (V sem)	21/23022	Ashwan
6	Hareh	B.Sc. Life Science (V sem)	21/23029	Hareh
7	Gungun Garg	B.Sc. Life Science (V sem)	21/23024	Gungun
8	Jatin Khandelwal	B.Sc. Life Science (V sem)	21/23041	Jatin
9	Shalish Patel	B.Sc. Life Science (V sem)	21/23020	Shalish
10	Mehul Verma	B.Sc. Life Science (V sem)	21/23040	Mehul
11	Aparna Chandra	B.Sc. Life Science (V sem)	21/23040	Aparna
12	Rohit Yadav	B.Sc. Life Science (V sem)	21/23060	Rohit
13	Tanya Chawhan	B.Sc. Life Science (V sem)	21/23079	Tanya
14	Prish Tyagi	B.Sc. Life Science (V sem)	21/23062	Prish
15	Sunam Singh	B.Sc. Life Science (V sem)	21/23065	Sunam
16	Sumit Singh	B.Sc. Life Science (V sem)	21/23063	Sumit
17	Anjali Singh	B.Sc. Life Science (V sem)	21/23070	Anjali
18	Anshu Gupta	B.Sc. Life Science (V sem)	21/23072	Anshu
19	Akshara Sharma	B.Sc. Life Science (V sem)	21/23074	Akshara
20	Anisha Chakravarty	B.Sc. Life Science (V sem)	21/23078	Anisha
21	Shubh Kalia	B.Sc. Life Science (V sem)	21/23080	Shubh
22	Kampreet	B.Sc. Life Science (V sem)	21/23085	Kampreet
23	Shubh Mishra	B.Sc. Life Science (V sem)	21/23087	Shubh
24	Utkarsh Sinha	B.Sc. Life Science (V sem)	21/23096	Utkarsh
25	Aashit Dakh	B.Sc. Life Science (V sem)	21/23099	Aashit
26	Lakshya Gupta	B.Sc. Life Science (V sem)	21/23100	Lakshya
27	Arunima Singh	B.Sc. Life Science (V sem)	21/23101	Arunima
28	Pooja Singh	B.Sc. Life Science (V sem)	21/23105	Pooja
29	Nishat Anjum	B.Sc. Life Science (V sem)	21/23112	Nishat
30	Jatin Jaiswal	B.Sc. Life Science (V sem)	21/23114	Jatin

*Attendance



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Students' involvement in additional Experiments

Department of Chemistry



*Pictures



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NAAC ACCREDITED "A" GRADE COLLEGE

Journal Club Sessions

Department of Chemistry

A session of Journal Club was held on 29.11.2023 in Chemistry Lab 2 at 2:00 pm.

The following students attended:

Course: B.Sc (P) Life Science Semester V

Name of the student	Roll No.	Signature
Harsh	21/23029	Harsh
Nainesh	21/23077	Nainesh
Mehul Verma	21/23048	Mehul
Shruti Mishra	21/23087	Shruti
Anjali Singh	21/23030	Anjali
Tyoti Sharma	21/23020	Tyoti
Nishat	21/23112	Nishat
Erin Tyagi	21/23062	Erin
Susmita	21/23063	Susmita
Yanshi	21/23006	Yanshi
Priya	21/23036	Priya
Rohit	21/23060	Rohit
Shailish	21/23030	Shailish
Armaan	21/23022	Armaan
Jatin Jindal	21/23114	Jatin
Aditee Pathak	21/23028	Aditee
Yashika Chauhan	21/23024	Yashika Chauhan...
Harshita Rautwar	21/23086	Harshita
Namrata Prasad	21/23055	Namrata
Apoorva Sharma	21/23040	Apoorva
Soumya Kushwaha	21/23013	Soumya
Gungun Garg	21/23034	Gungun
Brijesh	21/23021	Brijesh
Jatin	21/23041	Jatin



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Journal Club Sessions

Department of Chemistry

Name of the Student	Roll Number	Signature
Pragati Singh	21/23105	
Anshik Datta	21/23099	
Sumran	21/23065	
Utpalish	21/23096	
Khushi Kumari	21/23053	
Breema	21/23015	

Teacher's involved: Dr. P. K. Salun
Dr. Richa Arora RA
Dr. Pallavi Agarwal RA

No. of students present = 30

Journal covered: Indian Journal of Experimental Biology

The students read research papers from the journal mentioned above & present them & discussed them with the rest of the class. Some of the students prepared notes as well.



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Journal Club Sessions

Department of Chemistry

Topic → Salivary amylase (Pest) → huge loss to agricultural productivity
(herbivorous)
↓
Salivary amylase (starch digestion)
↓
Management of Pest → by enzyme (amylase) inhibition
↓
Isolation & Purification of amylase → by G-100 column chromatography & biochemically characterized
↓
Purified enzyme → α -amylase activity (pH \rightarrow 6.0-7.0 optimum Temp \rightarrow 40°C)
consists of Enzyme (Thermally stable upto \rightarrow 70°C)
(Preferred substrate \rightarrow Starch)
↓
Lineweaver-Burk - fractional velocity & combination plot graph
↓
Graph plotting \rightarrow K_m (Michaelis const) & V_{max} (max velocity) of amylase for starch came out to be \rightarrow 0.49 mg/ml & 1.67 n mole
↓
Potent inhibitors \rightarrow $ZnCl_2$, $Cd(NO_3)_2$, Salicylic acid, citric acid, oxalic acid
of α -amylase activity found
↓
Topic \rightarrow Salivary amylase from Swinhoe - Characterization & mode of inhibition through analysis of double reciprocal, fractional velocity & combination plots

Good Write

GPS Map Car

New Delhi, DL, India
Raja Garden, New Delhi, 110027, DL, India
Lat 28.655679, Long 77.120614
11/29/2023 02:26 PM GMT+05:30
Note : Captured by GPS Map Camera

*Students' work



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NAAC ACCREDITED "A" GRADE COLLEGE

Journal Club Sessions

Department of Chemistry

Problem

Topic → Antidiabetic & antioxidant pot. of
D. zibethinus leaves ethanolic extract.
Date

D. zibethinus → *Durian*
↓
known for rich medicinal uses
→ antioxidant & antidiab. pot. of ethanolic extract of *D.z.* leaves (DZL)
DZL → preliminary exam.
↓
quant. analysis of phenolic + flavonoids.
antioxidant properties evaluated by methods
DPPH + ABTS
antidiab. → α -amylase
+ α -glucosidase enzymic
inhibition studies
exp. on fasting blood of normoglycemic rats.
presence of polyphenols → resp. for antiox
antidiab.

GPS Map Camera

New Delhi, DL, India
Raja Garden, New Delhi, 110027, DL, India
Lat 28.655614, Long 77.120754
11/29/2023 02:36 PM GMT+05:30
Note : Captured by GPS Map Camera

*Students' work



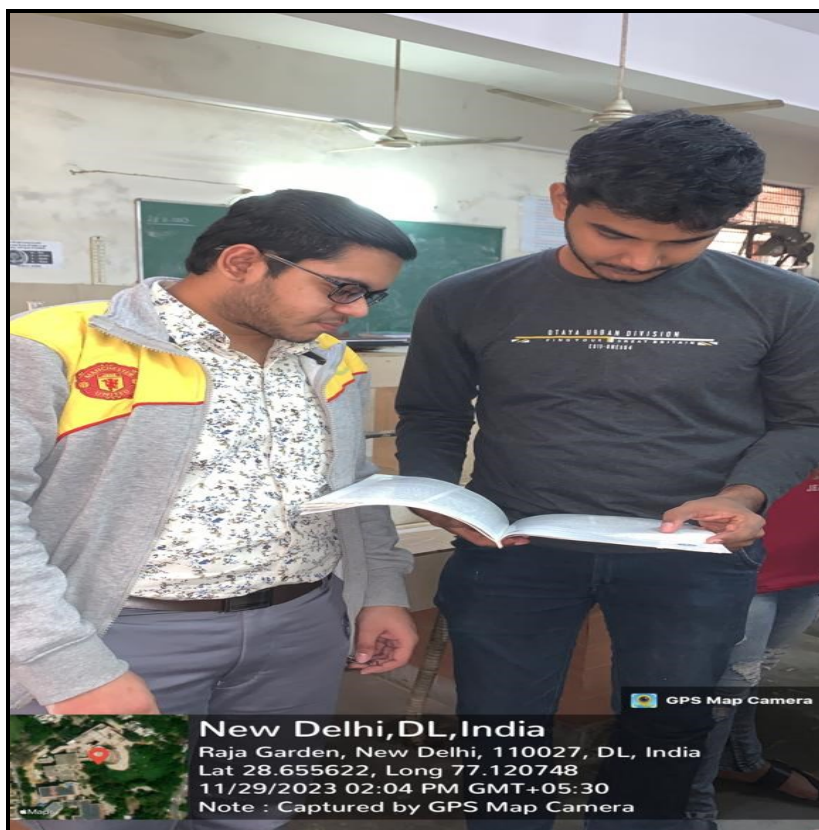
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NAAC ACCREDITED "A" GRADE COLLEGE

Journal Club Sessions

Department of Chemistry



*Pictures



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NAAC ACCREDITED "A" GRADE COLLEGE

Journal Club Sessions

Department of Chemistry

A Journal Club Session of Department of Chemistry, Shivaji College was held on 12.4.2024 at 2:30pm in Computer Lab 3 with B.Sc.(H) Chemistry Sem VI students.

The following students presented the paper:

Name of the Student	Roll NO.	Signature
Gaur Gupta	21/10027	
Shreya	21/10001	
Anshu	21/10061	
Shivani	21/10031	
Mansi	21/10040	
Ruchin Panwar	21/10013	

The following students attended the session:

Name of the Student	Roll NO.	Signature
Falguni Tanwar	21/10069	
Anwaraj	21/10052	
Saniya	21/10056	
Gunit	21/10071	
Sakshi	21/10066	
Yuvraj Singh	21/10073	
Gaur Gaur	21/10048	
Sachi	21/10075	
Yogita	21/10053	
Harshika	21/10051	
Ashish	21/10056	
ALOK	21/10060	
SHUBHAM	21/10043	



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Journal Club Sessions

Department of Chemistry

Abhishek	21/10041	Abhishek
Rachin	21/10043	
Umarang Mittal	21/10068	R.
Nitish Kumar	21/10081	Nitish
Srishti	21/10064	Srishti
Mayank Rathie	21/10085	Mayank

In the session, students read & presented mini-review & research articles from "Indian Journal of Experimental Biology". The session involved discussions on topics varying from Covid-19 vaccines to silver nanoparticles.

A total of 24 students attended the session & 06 students presented papers.

Name of the teachers involved:

Dr. Richa Arora



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Journal Club Sessions

Department of Chemistry

A Journal Club Session of Department of Chemistry, Shivaji College was held on 15.4.2024 at 2:00pm in Analytical lab of the Chemistry Department with B.Sc (H) Chemistry Semester IV students.

Name of the Student	Roll No.	Signature
Meghna Chaudhary	22/10032	Meghna Chaudhary
22/10032		
Diksha	22/10027	Diksha
Angad Shah	22/10028	Angad
Shubham Shukla	22/10017	Shubham Shukla
Aasma Rahangdale	22/10001	Aasma
Isha Mishra	22/10029	Isha Mishra

The following students presented articles from Indian Journal of Natural Products & Resources

Name of the Student	Roll No.	Signature
Apurva Dabas	22/10005	Apurva
Samridhhi Shukla	22/10031	Samridhhi
Priyanshu Singh	22/10013	Priyanshu
Khushi Ray	22/10009	Khushi
Rohansh Yadav	22/10014	Rohansh
Ankit Kr. Ray	22/10004	Ankit Ray
Vaibhav Shukla	22/10019	Vaibhav
Shreya Kumari	22/10016	Shreya



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Journal Club Sessions

Department of Chemistry

Name of the Student	Roll No.	Signature
Aryan Pachauri	22/10006	
Abhinav R	22/10023	
VIPUL MISHRA	22/10020	
Ankit Yadav	22/10025	

A total of 18 students of B.Sc(H) Chemistry Semester IV. They read articles ranging from topics like in silico studies on Covid-19, use of medicinal plants in Kashmir etc. from Indian Journal of Traditional Knowledge & Indian Journal of Natural Products & resources. A detailed discussion was held on various topics.

Name of the Teacher: Dr. Richa Arora



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Journal Club Sessions

Department of Chemistry

A Journal Club Session of Department of Chemistry Shivaji College was held on 19.4.2024 at in Computer lab 3 with B.Sc (H) Chemistry Sem VI Students.

The following students presented the articles:

Name of Student	Roll No.	Signature
Priyanka Bando	21/10044	Priyanka
Abhishek Kumar Yadav	21/10041	Abhishek
Ashish Saha	21/10051	Ashish
Ashish Nait	21/10036	Ashish
Shubham Gupta	21/10043	Shubham
Soni	21/10045	Soni
Soniya	21/10056	Soniya

The following students attended the session:

Name of Student	Roll No.	Signature
Gaur Gupta	21/10027	Gaur
Sakshi Bhardwaj	21/10066	Sakshi
Manasi Andoteka	21/10040	Manasi
Alok	21/10060	Alok
Ruchin Panwar	21/10013	Ruchin
Anshu Sunka	21/10061	Anshu
Falguni Tanwar	21/10069	Falguni
Anurag	21/10052	Anurag
Srishti	21/10064	Srishti
Mayank Rathi	21/10085	Srishti



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Journal Club Sessions

Department of Chemistry

In the session, students read & presented short articles from "Down to Earth" magazine. The session involved discussion on topics like aeroponics etc. A total of 17 students attended the session & 07 students presented articles.

Name of the teacher involved:

Dr. Richa Arora RA



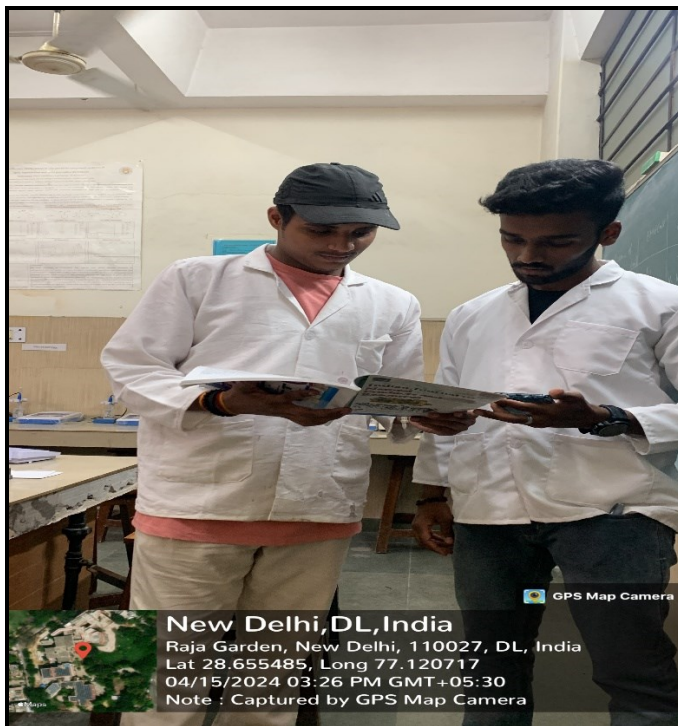
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Journal Club Sessions

Department of Chemistry



*Pictures



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Journal Club Sessions

Department of Zoology

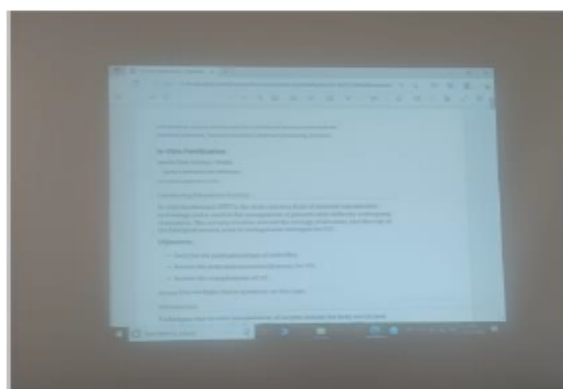
MINUTES OF MEETING OF JOURNAL CLUB

A meeting of students of B.Sc. (H) Zoology Semester 6 students on January 31st, 2024 at 11am to discuss a research paper on 'In-vitro fertilization':

Chloe, J. & Shanks, L.A. 2024. In Vitro Fertilization. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing. [https://www.ncbi.nlm.nih.gov/books/NBK562266/]

There was a detailed discussion about the technique including facts about the latest numbers of live births rates per intended egg retrieval by age group. This activity revolves around the etiology, evaluation, and the role of the interprofessional team in management strategies for IVF. The activity was mentored by Ms. Nimita Kant & Dr. Ankita Dua.

Paper discussed:





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Journal Club Sessions

Department of Zoology

The following students attended the discussion:

Hritika Shree

Devansh

Supriya Bhardwaj

Rahul Sharma

Kamal

Lakshay Bhardwaj

Swati

Himanshu Kaushik

Harshita Gupta



Harshita Kaushik
Harshita



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Students' participation in intra- and inter-college events and activities

DEPARTMENT OF CHEMISTRY			
S. NO	NAME OF STUDENTS	SEMESTER	ACHIEVEMENT(S)
1	Ankit Kumar Ray	IV	<ul style="list-style-type: none">Awarded value-based academic achievement award.Awarded with completion certificate on Green fabrication of nanostructures and their characterization organized by department of chemistry, Shivaji college University of Delhi.Scored 32.5% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
2	Priyanshu Singh	IV	<ul style="list-style-type: none">Scored 60% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
3	Khushi Ray	IV	<ul style="list-style-type: none">Scored 51.25% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
4	Yash Chauhan	IV	<ul style="list-style-type: none">Scored 37.5% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
5	Garv Gupta	VI	<ul style="list-style-type: none">Scored 40% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
6	Sakshi Bhardwaj	VI	<ul style="list-style-type: none">Scored 50% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
7	Shubham Gupta	IV	<ul style="list-style-type: none">Scored 51.25% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
8	Meghna Chaudhary	IV	<ul style="list-style-type: none">Scored 30% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.
9	Isha Mishra	IV	<ul style="list-style-type: none">Scored 37.5% in concept test in Chemistry "CONTECH 2023-24" organized by ACT, Mumbai.

For more details, click on the link:

[Annual Report](#)




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Internships



THE LEADING SOLUTIONS
CIN NO. U74999DL2018PTC327828

Date: 06 Oct, 2023

Dear Krish Jain

Shivaji

INTERNSHIP OFFER LETTER


We refer to recent interview for the below mentioned position and are pleased to offer you the position of Intern with The Leading Solutions Pvt. Ltd. You will report directly to Ms. Diksha.

Please find the following confirmation of the specifics of your internship:

Designation: Intern
Department: Marketing And Finance
Date of Joining: 10 Oct, 2023
Location: Delhi/Work from Home

For any queries please feel free to write us at: hr@theleadingsolutions.com
Congratulations and welcome to the Team!

Best Wishes!!



(Authorized Signatory)
Head HR
TLS Pvt. Ltd.

The Leading Solutions, RG Trade Tower, Netaji Subhash Place, Pitampura, New Delhi - 110034
Ph.: +91 1145597267, Email: info@theleadingsolutions.com, www.theleadingsolutions.com



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Internships

Principal Internship Scheme

P/3030/24
21/06/24 Minutes of Meeting

DOX A.O.A.C
21/6/24

A meeting of Principal Internship scheme 2024-25 (PIS) committee was held on 20th June, 2024 at 5:30 pm to finalise the results of selection process of summer internship. The following members were present:

Dr. Vanita Chakraborty Vanita
Dr. Richa Arora RA
Ms. Abha Vasal Abha
Hemant Lamba Hemant
PARVEEN KUMAR Parveen
RAVI KUMAR Ravi

The following agenda were discussed:

1) The committee evaluated the students on the basis of MCQ (25 marks), Group discussion (10 marks) and Interview (15 marks).

2) The final selection of students for the summer internship was on the additive scores of MCQ, group discussion and interviews.

Copy of result sheet and list of selected students is enclosed.

Vanita RA Abha Hemant Parveen Ravi



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Internships

Principal Internship Scheme

List of Selected Students for Summer Internship under Principal Internship Scheme 2024-25					
S. No.	Name	College Rollno	Course	Semester	Domain Allocated
1	Sanya Chawla	22/2049	B.A. (Hons.) Business Economics	IV	Administration
2	Pragati Mittal	22/49188	B.A. (Programme)	IV	Administration
3	Swapnil Gupta	23/06034	BSc. (Hons.) Biochemistry	II	Administration
4	Yukta Bhatia	23/28055	B.A. (Hons.) Economics	II	Administration
5	Hafsa azmi	22/23029	B.Sc. Life Science	IV	Library
6	Shivam Raj Gupta	22/63038	BSc. Physical Science (with Computer Science)	IV	Administration
7	Mayur	23/28028	B.A. (Hons.) Economics	II	Admission/ Department
8	Deepanshi Sharma	22/50022	B.Com (Programme)	IV	Accounts
9	Shanu	22/2051	B.A. (Hons.) Business Economics	IV	Admission/ Department
10	Shubham Mittal	23/22035	BSc. (Hons.) Zoology	II	Admission/ Department
11	Khushi Chauhan	23/49107	B.A. (Programme)	II	Accounts
12	Mukul	23/06030	BSc. (Hons.) Biochemistry	II	Admission/ Department
13	Vani Aggarwal	23/28051	B.A. (Hons.) Economics	II	Admission/ Department
14	Daksh Mahaulia	23/50021	B.Com (Programme)	II	Admission/ Department
15	Sakshi Chauhan	23/50076	B.Com (Programme)	II	Library

For more details, click on the link:

[Principal Internship Scheme](#)



Add-on courses

Add on Course on Excel and Python for Data Analysis and Visualization

Report on Add-on Course

Excel and Python for Data Analysis and Visualization

The Department of Computer Science conducted an add-on course '**Excel and Data Analysis for Data Analysis and Visualization**', for students of all streams from 9th March 2024 to 30th April 2024.

The course was designed to make students understand advanced features available in Excel and Python for data analysis. The course delves from basic operations such as reading data into excel using various data formats, organizing and manipulating data, to advanced functionality available in Excel. Students were given hands-on sessions on Python libraries Numpy, Pandas, Scipy, Matplotlib and Seaborn extensively used for data analysis and visualization. Case studies were discussed to get students to practically apply their skills and their understanding of learned facts to a real-world situation. Assignments were regularly given to evaluate the students.

The course received more than 90 registrations. The final evaluation exam was held on 30th April 2024. Fifty students successfully completed the course. Valedictory ceremony was held on May 14, 2024.

(Ms. ABHA VASAL)

Course Coordinator

(Mr. Rakesh Yadav)

Course Convenor

***Report**

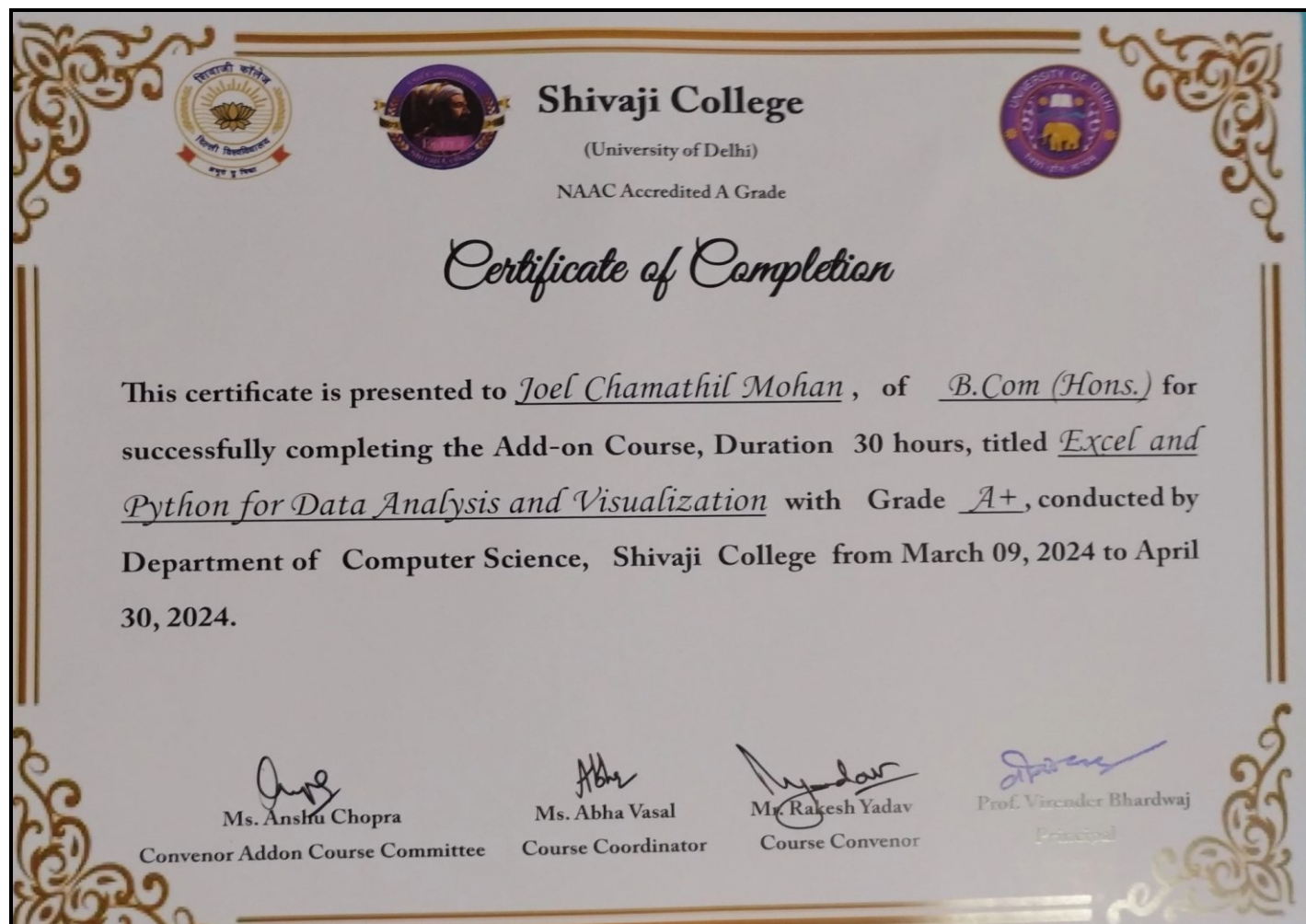


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Add-on course on Excel and Python for Data Analysis and Visualization



*Sample of the Certificate



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Add-on course on Excel and Python for Data Analysis and Visualization

The poster is a vertical rectangular graphic with a blue and white color scheme. At the top left, there are three small circular logos. The main text is centered and reads: **SHIVAJI COLLEGE**, **UNIVERSITY OF DELHI**, **NAAC ACCREDITED 'A' GRADE**, **DEPARTMENT OF COMPUTER SCIENCE**, **PRESENTS**, **ADD-ON COURSE ON**, **EXCEL AND PYTHON FOR DATA ANALYSIS AND VISUALIZATION**. Below this, it says **MARCH - APRIL 2024**. There are three numbered points in blue rounded rectangles: 1. **DURATION : 30 HOURS**, 2. **CLASSES IN HYBRID MODE**, 3. **NO REGISTRATION FEE**. To the right of the text is a circular inset showing a close-up of a computer keyboard with a red key that says "Data analysis". Below the numbered points, there are three circular icons: a globe, a QR code, and a gear. Below the globe icon, it says **COURSE STARTS FROM 9TH MARCH 2024**. Below the QR code icon, it says **SCAN CODE TO REGISTER**. Below the gear icon, it says **CERTIFICATES WILL BE ISSUED ON SUCCESSFUL COMPLETION**. At the bottom, there is a blue bar with white text: **HURRY LIMITED SEATS AVAILABLE**. Below this bar, there are four columns of text: **Convener** Ms. Anshu Chopra, **Coordinator** Mr. Rakesh Yadav, **Course Coordinator** Ms. Abha Vasal, and **Patron** Prof. Virender Bhardwaj.

SHIVAJI COLLEGE
UNIVERSITY OF DELHI
NAAC ACCREDITED 'A' GRADE
DEPARTMENT OF COMPUTER SCIENCE
PRESENTS
ADD-ON COURSE ON
EXCEL AND PYTHON FOR DATA ANALYSIS
AND VISUALIZATION
MARCH - APRIL 2024

- 1 DURATION : 30 HOURS
- 2 CLASSES IN HYBRID MODE
- 3 NO REGISTRATION FEE

COURSE STARTS FROM
9TH MARCH 2024

SCAN CODE TO REGISTER

CERTIFICATES WILL BE
ISSUED ON SUCCESSFUL
COMPLETION

HURRY LIMITED SEATS AVAILABLE

Convener
Ms. Anshu Chopra

Coordinator
Mr. Rakesh Yadav

Course Coordinator
Ms. Abha Vasal

Patron
Prof. Virender Bhardwaj

*Poster



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NAAC ACCREDITED "A" GRADE COLLEGE

Add-on course on Excel and Python for Data Analysis and Visualization



*Picture depicting the student receiving completion certificate

For more details, click on the links:

[Details of Add-on courses](#)

[Students' lists of add-on courses](#)



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IIRS-ISRO Outreach Programme by Department of Physics

IIRS-ISRO Outreach Programme

The Department of Physics, Shivaji College is now network Institute of IIRS-ISRO Outreach Programme. The following IIRS-ISRO Outreach programme was conducted during May 2023 to March 2024

- **Program 125 – “Overview of Space Technology (Course in Hindi) was conducted from September 14, 2023 to September 28, 2023**
- **Program 126 – “Outreach Program on Overview of Global Navigation Satellite System.” was conducted from September 25 – October 06, 2023**
- **Program 127 – “Overview of Geographical Information System.” was conducted from October 09- October 20, 2023**
- **Program 128 – “Overview of Geo-computation and Geo-web services” was conducted from October 30 – November 03, 2023**
- **Program 129 – “RS & GIS Applications in Natural Resource Management” was conducted from November 06- November 17, 2023**
- **Program 1036 – “One day workshop on Monitoring Forest Disturbances using Geospatial Technology” was conducted on October 4, 2023**
- **Program 1034 – “Remote sensing based data analytics in Agriculture” was conducted on 26 October, 2023**
- **Program 129 - Online training course on Geodata Processing using Python conducted by this institute during January 15, 2024 to January 19, 2024**

Under these programme, Total 40 students of various department had registered from Shivaji College

***Report**



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IIRS-ISRO Outreach Programme by Department of Physics

IIRS-ISRO Outreach Programme

Department of Physics, Shivaji College

University of Delhi

Report 2023-24



1. Program 1034 – “Remote sensing based data analytics in Agriculture” was conducted on 26 October, 2023

Registration – 4

Qualified Candidates – 1

202310342219566	Vijay kushwaha	infinitynumbers123456@gmail.com	Student	Pursuing Graduation	Maths, physics, computer science C++	2026
202310342225752	Aditi Sonal	aditisonal4872@gmail.com	Student	Pursuing Graduation	Physics , maths, computer science	2024
202310342217061	MRITTIKA MONDAL	siddhartha.mondal16@gmail.com	Student	Pursuing Graduation	GEOGRAPHY	2024
202310342203354	Yugal	yugalgalaxy@gmail.com	Student	Graduation	Computer Science, Physics, Maths	2026



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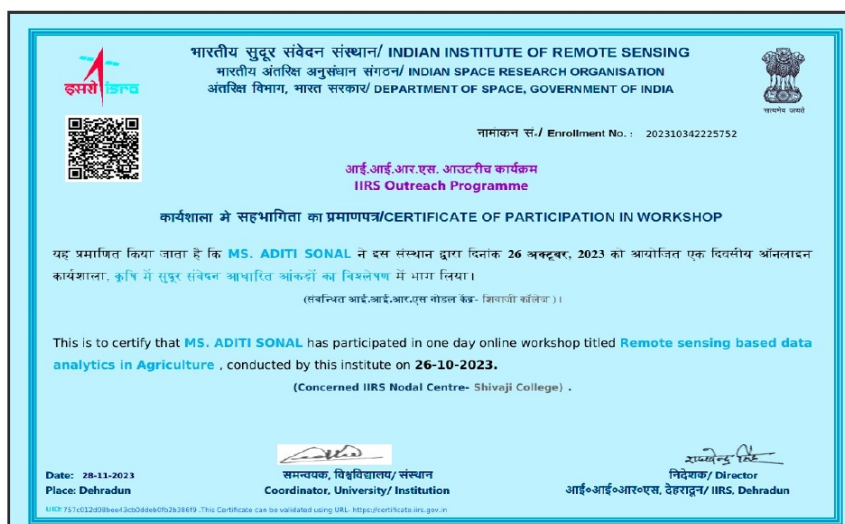
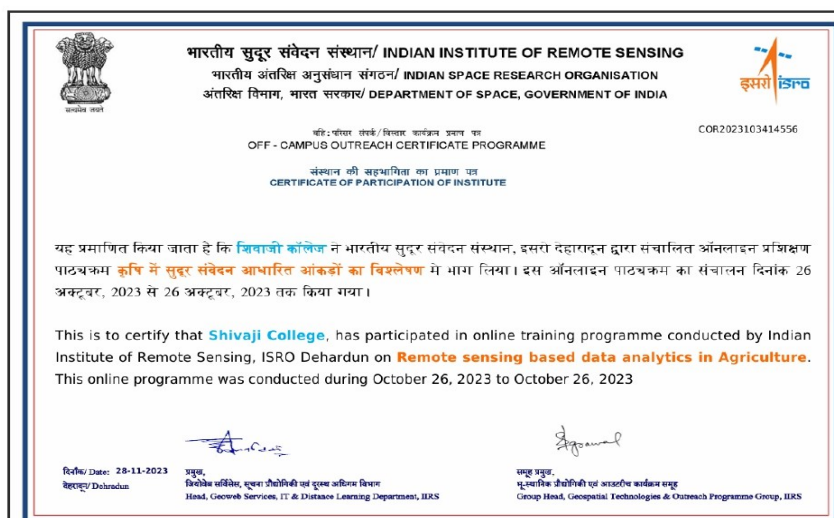
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IIRS-ISRO Outreach Programme by Department of Physics



*Certificates



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IIRS-ISRO Outreach Programme by Department of Physics


2. Program 125 – “Overview of Space Technology (Course in Hindi)” was conducted

from September 14, 2023 to September 28, 2023


Registration – 6

Qualified Candidates – 2

S.No.	RegNo.	Name	Email ID	Profession	Qualification	Subjects	Passing Year	ID Proof
1	20231252101415	Sukriti Sharma	sukriti714@gmail.com	Student	Pursuing Graduation	Physics	2026	View
2	20231252176871	Keshav	keshavjanga075@gmail.com	Student	Pursuing Graduation	Physical science with computer science	2026	View
3	20231252179216	Ayush Kumar Sharma	ayushkumar95705489@gmail.com	Student	Pursuing Graduation	Physics, computer science, mathematics	2026	View
4	20231252179264	Yugel	yugalsaxxy@gmail.com	Student	Graduation	Computer Science, Physics, Maths	2026	View
5	20231252179792	samarth kumar	samarthjaia07@gmail.com	Student	Graduation	Physics honrs	2026	View
6	20231252190581	Sandhya Nayak	sandhyenayak7723@gmail.com	Student	Graduation	Physics	2026	View



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑफ-कैंपस कार्यक्रम/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

COR202312514556

यह प्रमाणित किया जाता है कि **शिवजी कॉलेज** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **अंतरिक्ष प्रौद्योगिकी का अवलोकन** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 14 सितंबर, 2023 से 28 सितंबर, 2023 तक किया गया।

This is to certify that **Shivaji College**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Overview of Space Technology (course in hindi)**. This online programme was conducted during September 14, 2023 to September 28, 2023

दिनांक/ Date: 18-12-2023
 देहरादून Dehradun

प्रमुख,
 डिजिटल सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
 Head, Geospatial Services, IT & Distance Learning Department, IIRS

ग्रुप प्रमुख,
 भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
 Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



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IIRS-ISRO Outreach Programme by Department of Physics



3. Program 126 – “Outreach Program on Overview of Global Navigation Satellite

System.” was conducted from September 25 – October 06, 2023

Registration – 9

Qualified Candidates – 2

S.No.	RegNo.	Name	Email ID	Profession	Qualification	Subjects	Passing Year
1	20231262178835	ANKIT SAGAR	ankitsagar.st@gmail.com	Student	Pursuing Graduation	COMPUTER SCIENCE, MATHEMATICS, PHYSICS	2025
2	20231262183977	Saksham	saksham4906@gmail.com	Student	Graduation	Physics, computer science, math	2025
3	20231262192683	ASHISH KUMAR MEHTA	haridaimhta1891@gmail.com	Student	Pursuing Graduation	PHYSICS	2026
4	20231262184550	Naman Verma	nbsverma@gmail.com	Student	Pursuing Graduation	Physics	2026
5	20231262179738	Yugal	yugalgalaxy@gmail.com	Student	Graduation	Computer Science, Physics, Maths	2026
6	20231262179771	Shubham Sangay	shubhamsangay8910@gmail.com	Student	Pursuing Graduation	Physics honours	2026
7	20231262179786	samarth kumar	samarthkumar07@gmail.com	Student	Graduation	Physics hon	2026
8	20231262178781	Vijay kushwaha	infinitynumbers123456@gmail.com	Student	Pursuing Graduation	Maths, physics, computer science C++	2026
9	20231262180602	Sandhya Nayak	sandhyamayak7723@gmail.com	Student	Graduation	Physics	2026



शिवजी कॉलेज

(दिल्ली विश्वविद्यालय)

Shivaji College

(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

IIRS-ISRO Outreach Programme by Department of Physics


4. Program 127 – “Overview of Geographical Information System.” was conducted from

October 09- October 20, 2023

Registration – 5

Qualified Candidates – 1

S.No.	RegNo.	Name	Email ID	Profession	Qualification	Subjects	Passing Year
1	20231272187007	MRITIKA MONDAL	siddhartha.mondal16@gmail.com	Student	Pursuing Graduation	GEOGRAPHY	2024
2	20231272191636	Triambika Singh	khushisingh9431090009@gmail.com	Student	Pursuing Graduation	Physics	2023
3	20231272197789	Vivesh	viveshkumarpathak15@gmail.com	Student	Pursuing Graduation	Computer Science, Physics, Mathematics	2025
4	20231272190481	Yugal	yugalgalaxy@gmail.com	Student	Graduation	Computer Science, Physics, Maths	2026
5	20231272197714	siddharit rawat	siddharit2k05@gmail.com	Student	Pursuing Graduation	physics	2027



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
 भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
 अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA

भारत : पीछा करके/ विचार करके प्रगति करे
 OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

अनुसंधान की सहभागिता का प्रमाण पत्र
 CERTIFICATE OF PARTICIPATION OF INSTITUTE

COR202412714556

यह प्रमाणित किया जाता है कि **शिवजी कॉलेज** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **भौगोलिक सूचना प्रणाली का अवलोकन** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 09 अक्टूबर, 2023 से 27 अक्टूबर, 2023 तक किया गया।

This is to certify that **Shivaji College**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Overview of Geographical Information System**. This online programme was conducted during October 09, 2023 to October 27, 2023

दिनांक/ Date: 06-01-2024
 देहरादून/ Dehradun

मुख्य, केंद्रीय संचार, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
 Head, Core Services, IT & Distance Learning Department, IIRS

मुख्य प्रमुख, दूरस्थ शिक्षा प्रौद्योगिकी एवं अंतरिक्ष कार्यक्रम समूह
 Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



शिवाजी कॉलेज

(दिल्ली विश्वविद्यालय)


Shivaji College


(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

IIRS-ISRO Outreach Programme by Department of Physics

 भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA

 इंसरो

कक्ष: संचालन कक्ष/ विस्तार कार्यक्रम प्रभाग का
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

COR202412614556

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **शिवाजी कॉलेज** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **वैश्विक नौचरन उपग्रह प्रणाली का अवलोकन** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 25 सितंबर, 2023 से 06 अक्टूबर, 2023 तक किया गया।

This is to certify that **Shivaji College**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Overview of Global Navigation Satellite System**. This online programme was conducted during September 25, 2023 to October 06, 2023

दिनांक/ Date: 06-01-2024
देहरादून/ Dehradun

समूह प्रमुख,
विशेष संचालन, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geospatial Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं अंतरिक्ष कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

 अंतरिक्ष विभाग /DEPARTMENT OF SPACE
भारत सरकार/GOVERNMENT OF INDIA
भारतीय अंतरिक्ष अनुसंधान संगठन/INDIAN SPACE RESEARCH ORGANISATION
भारतीय सुदूर संवेदन संस्थान, देहरादून/ INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नाम/Enrolment No.: 20231262179738

CERTIFICATE OF COMPLETION
ONLINE COURSE

यह प्रमाणपत्र
MR. YUGAL

को " वैश्विक नौचरन उपग्रह प्रणाली का अवलोकन " में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है।
इस ऑनलाइन पाठ्यक्रम का आयोजन 25 सितंबर, 2023 से 06 अक्टूबर, 2023 (कुल पाठ्यक्रम की अवधि = 12 घंटे) के दौरान किया गया।
(सर्वोत्तम आर्इ आई आर एस नोडल केंद्र - शिवाजी कॉलेज)

THIS CERTIFICATE IS
AWARDED TO
MR. YUGAL
ON COMPLETION OF THE ONLINE COURSE ON
"Overview of Global Navigation Satellite System"
THIS ONLINE COURSE WAS CONDUCTED DURING 25-09-2023 to 06-10-2023 (Total course duration = 12 hrs).
(Concerned IIRS Nodal Centre: Shivaji College)

Online Exam Grade: B+
Attendance: 88 %

Date: 06-01-2024
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/ Institution

निदेशक/ Director
आई.आई.आर.एस. देहरादून/ IIRS, Dehradun

UJD - f7dc72d8b85cde521540b6bfa2b55 .This Certificate can be validated using URL: https://certificate.iirs.gov.in

* >80% - (A+), 70-80% - (A), 60-70% - (B+), 40-60% - (B)



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NAAC ACCREDITED "A" GRADE COLLEGE



IIRS-ISRO Outreach Programme by Department of Physics



5. Program 128 – “Overview of Geo-computation and Geo-web services” was conducted

from October 30 – November 03, 2023

Registration – 6

Qualified Candidates – 2

2023128228482	Kamini	kaminisaini5104@gmail.com	Student	Pursuing Graduation	Physics , Mathematics, Computer Science	2024
20231282219554	Vijay kushwaha	infinitynumbers123456@gmail.com	Student	Pursuing Graduation	Maths, physics, computer science C++	2026
20231282210344	Keshav	keshavjanga075@gmail.com	Student	Pursuing Graduation	Physics, maths, computer science	2026
20231282225728	Aditi Sonal	aditisonal4872@gmail.com	Student	Pursuing Graduation	Physics , maths, computer science	2024
20231282205625	MRITTIKA MONDAL	siddharta.mondal16@gmail.com	Student	Pursuing Graduation	GEOGRAPHY	2024
20231282205403	Yugal	yugalgalaxy@gmail.com	Student	Graduation	Computer Science, Physics, Maths	2026



शिवजी कॉलेज (दिल्ली विश्वविद्यालय) Shivaji College (University of Delhi)

NAAC ACCREDITED "A" GRADE COLLEGE



IIRS-ISRO Outreach Programme by Department of Physics


6. Program 129 – "RS & GIS Applications in Natural Resource Management" was

conducted from November 06- November 17, 2023


Registration – 5

Qualified Candidates – 4

S.No.	Reg.No.	Name	Email ID	Profession	Qualification	Subjects	Passing Year
1	20231292228485	Kamini	kaminisa15104@gmail.com	Student	Pursuing Graduation	Physics , Mathematics, Computer Science	2024
2	20231292232646	Deep Shikha	deepshikha03303@gmail.com	Student	Pursuing Graduation	Geography	2026
3	20231292225746	Aditi Sonal	aditisonal4872@gmail.com	Student	Pursuing Graduation	Physics , maths, computer science	2024
4	20231292217052	MRITTIKA MONDAL	aidhaertha.mondal16@gmail.com	Student	Pursuing Graduation	GEOGRAPHY	2024
5	20231292247778	Simran	simranu2022@gmail.com	Student	Graduation	Physics, Maths, Computer Science	2024



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑफिस: भारत सरकार/ अंतरिक्ष विभाग, भारत
COR202412914556

ऑफिस - CAMPUS OUTREACH CERTIFICATE PROGRAMME
संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि शिवजी कॉलेज ने भारतीय सुदूर संवेदन संस्थान, इसरो देहार्दुन द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **प्राकृतिक संसाधन प्रबंधन में सुदूर संवेदन और जीआरएस के अनुप्रयोग** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 06 नवंबर, 2023 से 17 नवंबर, 2023 तक किया गया।

This is to certify that **Shivaji College**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **RS & GIS Applications in Natural Resource Management**. This online programme was conducted during November 06, 2023 to November 17, 2023

दिनांक/ Date: 06-01-2024
देहरादून/ Dehradun:

ग्रुप, जियोस्पेटल सर्विसेज, दूरभाष प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geospatial Services, IT & Distance Learning Department, IIRS

ग्रुप, भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



शिवजी कॉलेज

(दिल्ली विश्वविद्यालय)


Shivaji College


(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

IIRS-ISRO Outreach Programme by Department of Physics

 भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



कॉर्पस: पीछा/विस्थापन कार्यक्रम प्रमाण पत्र
COR202412814556
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **शिवजी कॉलेज** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **जियोकम्प्यूटेशन एवं जियोवेब सर्विसेस का अवलोकन** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 30 अक्टूबर, 2023 से 03 नवंबर, 2023 तक किया गया।

This is to certify that **Shivaji College**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Overview of Geocomputation and Geo-web services**. This online programme was conducted during October 30, 2023 to November 03, 2023

दिनांक/ Date: 06-01-2024
स्थान/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, GeoWeb Services, IT & Distance Learning Department, IIRS

सहस्रक, सूचना प्रौद्योगिकी एवं अंतरिक्ष कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

 अंतरिक्ष विभाग / DEPARTMENT OF SPACE
भारत सरकार / GOVERNMENT OF INDIA
भारतीय अंतरिक्ष अनुसंधान संगठन / INDIAN SPACE RESEARCH ORGANISATION
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नमस्करण सं. / Enrolment No.: 20231282228482

CERTIFICATE OF COMPLETION
ONLINE COURSE

यह प्रमाणित है
MS. KAMINI
को "जियोकम्प्यूटेशन एवं जियोवेब सर्विसेस का अवलोकन"
में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है।
इस ऑनलाइन पाठ्यक्रम का आयोजन 30 अक्टूबर, 2023 से 03 नवंबर, 2023 (कुल पाठ्यक्रम की अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।
(सम्बन्धित आई.आई.आर.एस. नोडल केंद्र - शिवजी कॉलेज)

THIS CERTIFICATE IS
AWARDED TO
MS. KAMINI
ON COMPLETION OF THE ONLINE COURSE ON
"Overview of Geocomputation and Geo-web services"
THIS ONLINE COURSE WAS CONDUCTED DURING **30-10-2023 to 03-11-2023** (Total course duration = 7 hrs & 30 minutes).
(Concerned IIRS Nodal Centre- Shivaji College)

Online Exam Grade: **B**
Attendance: **80 %**

Date: 06-01-2024
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/Institution

सहायक निदेशक/ Director
आई.आई.आर.एस. देहरादून/ IIRS, Dehradun

UIG- 2b4a7052238b3081d608ba54545147d. This Certificate can be validated using URL- <https://certificate.iirs.gov.in>

*80%-(A+), 70-80%-(A), 60-70%-(B+), 40-60%-(B)



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(दिल्ली विश्वविद्यालय)

Shivaji College

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NAAC ACCREDITED "A" GRADE COLLEGE

IIRS-ISRO Outreach Programme by Department of Physics



7. Program 1036 – "One day workshop on Monitoring Forest Disturbances using Geospatial Technology" was conducted on October 4, 2023

Registration – 2

Qualified Candidates – Result Awaited

S.No.	RegNo.	Name	Email ID	Profession	Qualification	Subjects	Passing Year
1	202310362197792	Vivesh	viveshkumarpathak15@gmail.com	Student	Pursuing Graduation	Computer Science, Physics, Mathematics	2025
2	202310362190487	Yugal	yugalgalaxy@gmail.com	Student	Graduation	Computer Science, Physics, Maths	2026

Dr. Nidhi Tyagi

Co-Ordinator (IIRS-ISRO Outreach Program)

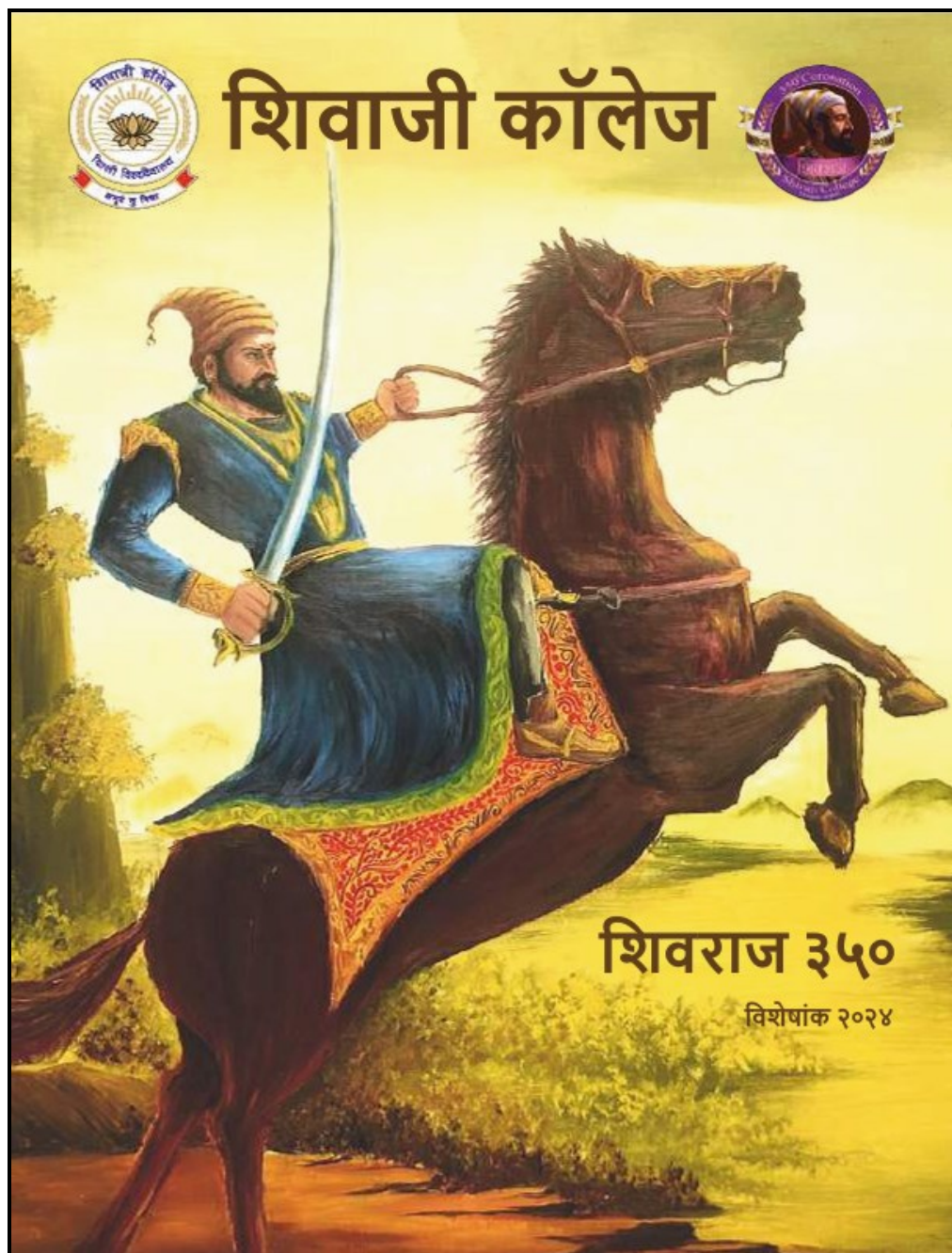


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(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)

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Students' contribution in the College Magazines



*College Magazine



शिवाजी कॉलेज (दिल्ली विश्वविद्यालय) *Shivaji College* (University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' contribution in the College Magazines

COVER PAGE DESIGNING TEAM



Aryan Sharma B.A. Programme IInd Year
Every stroke of artistry narrates a tale of countless emotions. I am honored to receive this beautiful opportunity to represent my college's face "Shivaji" through the cover page of the annual magazine. Working on the diverse subjects of Shivaji Maharaj was a vividly enriching experience throughout the events.



B.Sc. Biochemistry Honors Ist year
Making the cover page for our college magazine has been an exhilarating experience. Immense gratitude to the magazine committee for this prestigious honor. Shivaji Maharaj, the great Maratha king, holds a significant place in Indian history due to his exemplary leadership, innovative military tactics, and dedication to his people and culture.



B.Sc. Biochemistry Honors Ist year
It gave me extreme pleasure to design the cover page for the College Magazine. I am obliged to the Magazine Committee for giving me this incredible opportunity.



B.Sc. Biochemistry Honors IIIrd Year
I'm deeply honoured to have made the back cover for the College annual magazine and would like to express my gratitude to the entire Magazine Committee for giving me this amazing opportunity.



Manish Kumar B.Sc. Applied Physical Science IIIrd Year
As a graphic designer, my deep affection for art drives my every creation. Designing is my passion, and nothing could be more fulfilling than working on our college's magazine. This project has been a proud moment for me, offering a unique platform to channel my love for graphics into something that resonates with our community. It's an honor to blend my creative skills with the legacy of Shivaji Maharaj, making this experience both personally and professionally enriching. Through this journey, I've discovered new depths of artistic expression and reaffirmed my dedication to the world of design.

09

*College Magazine

For more details, click on the link:

<https://www.shivajicollege.ac.in/newsletter.php>



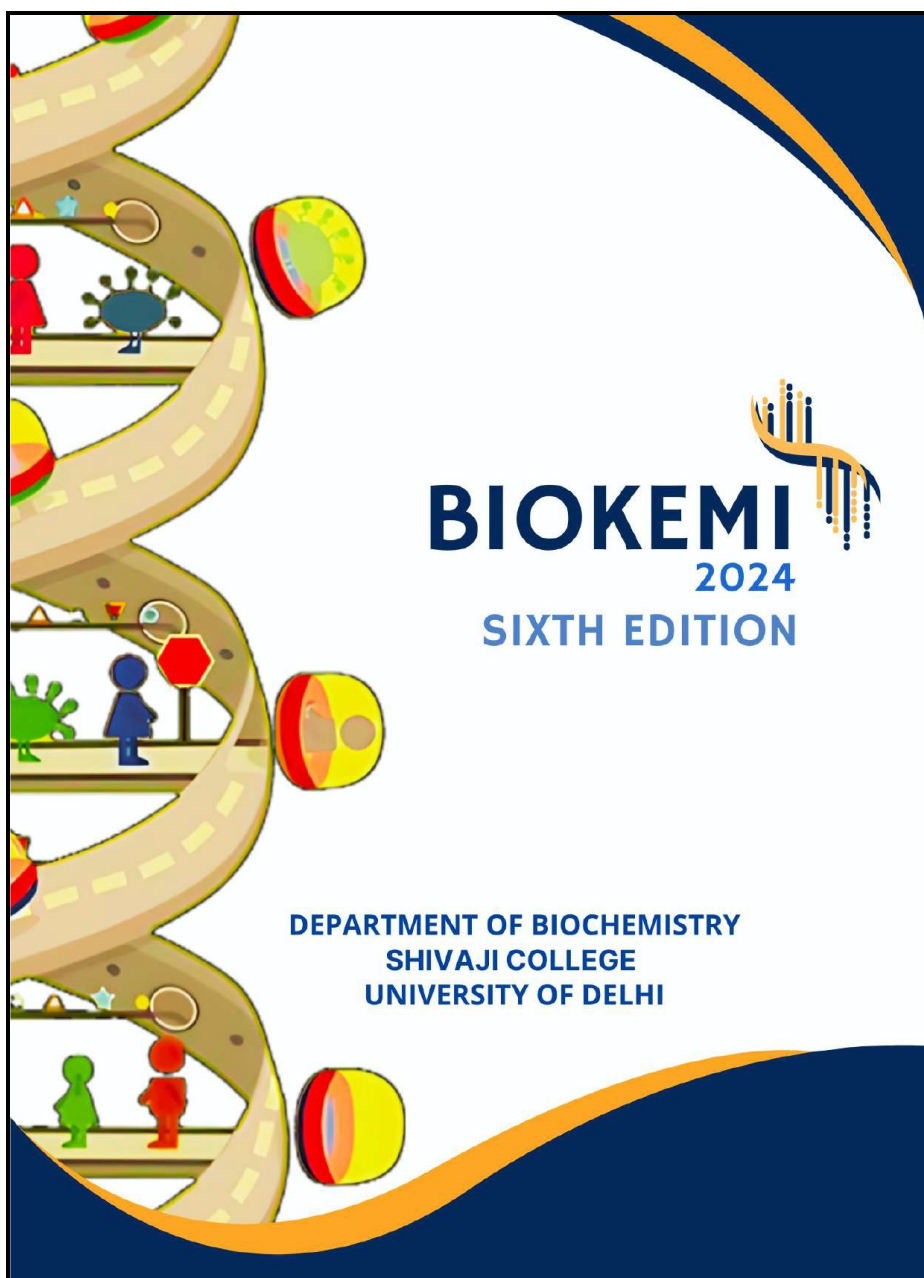
शिवाजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' contribution in the College Magazines

Department of Biochemistry



*Magazine by Department of Biochemistry



शिवाजी कॉलेज
(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Students' contribution in the College Magazines

Department of Biochemistry

EDITORIAL TEAM, BIOKEMI 2024

FACULTY EDITORS

Dr. Jayita Thakur (Assistant Professor)	Editor-in-Chief
Dr. Renu Baweja (Associate Professor)	Editor
Dr. Sumita Singh (Associate Professor)	Editor
Dr. Abhijeet Mishra (Assistant Professor)	Editor
Dr. Usha Yadav (Assistant Professor)	Editor
Dr. Shvetambri (Assistant Professor)	Editor

STUDENT EDITORS

Swapnil Gupta, 1st year
Divyansh Verma, 1st year
Kartik Singh, 1st year

Aman Sharma, 2nd year
Ismail Raza, 2nd year
Gayathry, 2nd year
Neeraj Kumar, 2nd year
Pooja, 2nd year
Debdatta, 2nd year
Priyanshu Bisht, 2nd year
Tushar Gupta, 2nd year
Priyanka Bisht, 2nd year
Devender Kumar, 2nd year
Mishika, 2nd year

Sanjana Gupta, 3rd year
Sparsh Aggarwal, 3rd year
Shivangi Aggarwal, 3rd year
Khushi Negi, 3rd year
Ayush Sachan, 3rd year
Vandana Thakur, 3rd year

Cover page designed by Ayush Sachan and Sparsh Aggarwal (Batch of 2021-24).

***Magazine by Department of Biochemistry**

For more details, click on the link:

<https://www.shivajicollege.ac.in/newsletter.php>



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(दिल्ली विश्वविद्यालय)
Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Sample (Department of Computer Science)



Websters- The Computer Science Society

Shivaji College
(University of Delhi)

Websters' Council 2023-24

Post	Name & Year of the Student
President	Alekshendra (3 rd year) 21/63015 <i>Alekshendra</i>
Senior Vice President	Shruti Gupta (3 rd year) 21/63101 <i>Shruti</i>
Vice President	Shivam Raj Gupta (2 nd year)
Secretary	Nikhil Rathore (3 rd year) 21/63129 <i>Nikhil</i>
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PR & Social Media Head	Arvind Ranjan (3 rd year) 21/63100 <i>Arvind</i> Harsh Kumar Verma (2 nd year)
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Shams
Kyadar
Shams



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Shivaji College
(University of Delhi)



NAAC ACCREDITED "A" GRADE COLLEGE

Sample (Department of Zoology)

शिवाजी महाविद्यालय
SHIVAJI COLLEGE
UNIVERSITY OF DELHI
ACCREDITED BY NAAC WITH 'A' GRADE
DET. 01/04/2018

YEARS
1922-2022

Oyster- The Zoological Society
Department of Zoology
SHIVAJI COLLEGE
(UNIVERSITY OF DELHI)

STUDENT COUNCIL 2023-2024

S. No.	NAME	DESIGNATION	COURSE	YEAR	SIGN.
1	KAMAL JANGRA	President	B.Sc. (H) Zoology	III	<i>Kamal</i>
2	HARSHITA GUPTA	Vice-President	B.Sc. (H) Zoology	III	<i>Harshita</i>
3	LAKSHAY BHARDWAJ	General Secretary	B.Sc. (H) Zoology	III	<i>Lakshay</i>
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5	HARSH JANGID	Editorial Head	B.Sc. (H) Zoology	III	<i>Harsh</i>
6	HRITIKASHREE HIMANSHU KAUSHIK	Creative & Technical Head	B.Sc. (H) Zoology	III	<i>Hritika Himanshu</i>
7	ABHIRAM S. VARIAR	Editorial Team	B.Sc. (H) Zoology	I	<i>Abhiram</i>
8	PRIYANSHI KUMARI	Creative Members	B.Sc. (H) Zoology	I	<i>Priyanshi Kumari</i>
9	ARADHANA JHA		B.Sc. (H) Zoology	I	<i>Aradhana</i>
10	VISHAKHA		B.Sc. (H) Zoology	I	<i>Vishakha</i>

Sunita
11-9-23
Dr. Sunita Gupta
(Teacher In-Charge)
Department of Zoology
Shivaji College
University of Delhi



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Action Report – Non Performing /Slow Learners of Even Semester 2023-24

Faculty Name: Dr Suman Kharbanda

Bcom Hons. Sem 3 Section A	Bcom Hons. Sem 3 Section B
Business Mathematics	Business Mathematics
22/51005 ADITYA SHAKYA	22/51091 SAMIYA KHOSLA
22/51008 AMAN HUSSAIN	22/51097 SHRISH BATHAM
22/51020 ARUN KUMAR	22/51094 SHEFALI NARANG
22/51047 HARSH YADAV	

Slow learners/ non-performers were identified on the basis of students' overall average/ poor performance in the class. Following steps were taken to encourage them:

- These identified students were motivated to perform better
- They were mentored in a way so that they get good score at undergraduate level.
- To enhance their skills, peer to peer learning was encouraged.
- Slow learners were given extra classes and attention. They were also given an option to appear for re-test so that they can improve their overall scores.
- Their queries were addressed.



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Peer to peer learning

Action Report – Fast/ Advanced Learners of Even Semester 2023-24

Faculty Name: Dr Suman Kharbanda

Bcom Hons. Sem 3 Section A	Bcom Hons. Sem 3 Section B
Business Mathematics	Business Mathematics
22/51050 HITESH SONI	22/51061 KRITIKA
22/51025 AYUSH KHANDELWAL	22/51064 LAKSHAY KUMAR NAHAR
22/51023 ARYAN SAINI	22/51083 PULKIT GARG
22/51046 HARSH SINGHAL	22/51096 SHIWANI

Fast learners were identified on the basis of students' learning skills and overall performance in the class. Following steps were taken to encourage them:

- These identified students were motivated to perform even better.
- They were mentored in a way so that they can attain higher ranks at university level.
- Peer to peer learning was encouraged and student groups were formed to encourage mutual learning and academic discussions amongst the students.
- Extra time was devoted to resolve the queries of fast learners to bring about better performance



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Peer to peer learning

Department of Biochemistry

Dated: 07/11/2023

The meeting of the faculty members was held on November 07, 2023 at 11.45 am in the Staffroom, Department of Biochemistry.

The following members attended the meeting:

1. Dr. Jayita Thakur

2. Dr. Renu Baweja

3. Dr. Sunita Singh (TIC)

4. Dr. Abhijeet Mishra

5. Dr. Usha Yadav

6. Dr. Shvetambri

The minutes of the meeting are as follows:

A. The overall performance of the students were discussed in the meeting. The list of advanced learner students from SEM I, III & V was made in the meeting. The non-performers were listed on the basis of their performance in tests, response in the class and attendance.

Non-Performers

SEM V

Nitika Kumari (21071553010)

Priyanka (21071553011)

Sony Sharma (21071553021)

SEM III

Ashish Kullu (22071553009)

Sumangal Murmu (22071553003)

Abhinav Kumar (22071553021)

SEM I

Ahana Ranja (23071553002)

Harshita Sharma (230715530010)

Dharmender Diwakar (23071553007)

Shubham Kumar (23071553029)

Vaishnavi PJ (23071553034)

Advanced Learners

SEM V

Harshita (21071553008)

Shivangi Aggarwal (210715530018)

Sparsh Aggarwal (21071553022)

SEM III

Ankita Das (22071553007)

Tushar Gupta ((22071553001)

Mishika (22071553020)

Priyanka Bisht (22071553002)

SEM I

Divyansh Varma (23071553009)

Diti Poddar (23071553008)



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Peer to peer learning

B. The students who were found to be non-performers as per meeting held on **October 25, 2023**, will be asked to interact with their respective subject teachers. It was also decided by the faculty members to give extra attention to these non-performing students during the classes and also during the mentor mentee meeting.

C. It was further decided to encourage advance / fast learners of respective semesters to interact and carryout **peer-group** study with slow / non-performers to improve their overall performance. The overall performance of previous semesters was taken into consideration, while preparing the list of non-performers and Advanced performers.

D. The Practical Examination Date sheet was finalized in the meeting. The finalized date sheet will be shared with the college.

E. The examination duties (Internal Examiner, invigilator and superintendent) for the Practical Examination -Dec 2023 of SEM I/II/V were finalized.

D. The Educational Tour of SEM V students will be taken to Dept. of Plant Molecular Biology, University of Delhi South Campus (PMB, UDSC) on November 10, 2023 i.e., Friday. The consent form will be given to the students along with instructions for going on the tour. The timings will be from 11.00 am onwards.

The meeting ended with a note of thanks.

Dr. [Signature]
[Signature]
[Signature]
[Signature]
[Signature]






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Students' Participation in NSS

		<p>शिवाजी कॉलेज (दिल्ली विश्वविद्यालय) <i>Shivaji College</i> (University of Delhi) NAAC ACCREDITED "A" GRADE COLLEGE</p>			
संदर्भ सं० / Ref. No. <u>SH/ADM/2441/24</u>		दिनांक / Dated <u>26/12/2024</u>			
<p style="text-align: center;"><u>CERTIFICATE OF APPRECIATION</u></p> <p>This certificate is proudly presented to ASHUTOSH student of B.Com (Prog.), Roll No: 21/50073, for diligently fulfilling the entrusted role as the Technical and Creative Head in the National Service Scheme (NSS), Shivaji College, throughout the Academic Session of 2023-24.</p> <p>He actively participated in various community service initiatives, successfully completing a total of 120 hours of voluntary work in the academic session 2023-24.</p> <table><tr><td><p><i>[Signature]</i> for Prof. Ruchira Dhingra Programme Officer</p></td><td><p><i>[Signature]</i> Prof. Virender Bhardwaj Principal</p></td></tr></table>				<p><i>[Signature]</i> for Prof. Ruchira Dhingra Programme Officer</p>	<p><i>[Signature]</i> Prof. Virender Bhardwaj Principal</p>
<p><i>[Signature]</i> for Prof. Ruchira Dhingra Programme Officer</p>	<p><i>[Signature]</i> Prof. Virender Bhardwaj Principal</p>				
<p>राजा गार्डन, रिंग रोड, नई दिल्ली-110027/Raja Garden, Ring Road, New Delhi - 110027 • ऑफिस/Off.: 011-25116644 टेलीफैक्स/Telefax: 011-25155551 • ई-मेल/E-mail: shivajicollege.ac@gmail.com • वेब/Website : www.shivajicollege.ac.in</p>					