



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

**SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)**

EVENT REPORT

NAME OF THE EVENT: Field trip to Sonia Vihar Water Treatment Plant and Yamuna river for collection of algae			
DATE	DEPARTMENT	COMMITTEE/SOCIETY	COORDINATORS' NAME
06/11/2025	DEPARTMENT OF BOTANY, SVC	DEPARTMENT OF BOTANY	Dr. Shantanu Mandal Dr. Shweta Sharma Dr. Pamil Tayal
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor; online/offline/hybrid
10:30 A.M. Onwards	Sonia Vihar water treatment plant, Rajiv Nagar, Sonia Vihar, Delhi, Delhi-110090 and Yamuna river	19	Outdoor; Offline
FINANCIAL SUPPORT/ASSISTANCE (if any):	N.A.		

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/SUBJECT OF THE ACTIVITY	Field Trip to Sonia Vihar Water Treatment Plant and Yamuna river for second year B.Sc. (Hons.) Botany students
OBJECTIVES	The goal of this activity is to observe, study and collect different algae present at the site of visit as part of their practical curricular activity for the subject DSC 7: Phycology: The world of Algae.
METHODOLOGY	<ul style="list-style-type: none">➤ Organizing the field trip: Collecting students' names and obtaining permission forms.➤ Conducting the trip: Dr. Shantanu Mandal, Dr. Shweta Sharma and Dr. Pamil Tayal led the students to visit Sonia Vihar Water Treatment Plant and Yamuna River.➤ Teaching and familiarising students about the diversity of algae and its importance.

INVITED SPEAKERS WITH AFFLIATION DETAILS (IF ANY)	None
OUTCOMES	The field visit to the Sonia Vihar Water Treatment Plant and the Yamuna river provided practical exposure to water purification processes and the challenges of maintaining water quality. Collecting algae samples from the site offered valuable material for studying algal diversity. Together, this visit enhanced the understanding of water treatment systems and offered hands-on experience in ecological sample collection.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

1 Notice & Letters ✓	2 Number of Participants & Name of participants ✓	3 Video clip	4 Photos ✓	5 Feedback Form & analysis
6 News clip with details	7 Sample Copy of the Certificate	8 Posters/ Invites	9 Event report Attested by Event Coordinator & IQAC Coordinator ✓	10 Any other document

Departmental file no: SVC_BOT_2025-26_ November_ 2025_03

IQAC File No: SVC/IQAC/BOT/2025-26/Novemver 2025

Criterion No: 1 and 2

NAME OF EVENT-IN-CHARGE & SIGNATURE:

Dr. Shantanu Mandal

Shantanu Mandal

Dr. Shweta Sharma

Shweta

Dr. Pamil Tayal

Pamil

Note: Please fill in your own details in places with red font

For Reference

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance, Leadership & Management
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

REPORT

The second year Botany Hons. Students embarked with cheerful and youthful spirits, exhibiting a remarkable eagerness to explore algal diversity in natural and semi-treated freshwater habitats. In alignment with this enthusiasm, the second-year students and faculty from Sri Venkateswara College participated in an educational field trip on **06 November 2025** to the Sonia Vihar Water Treatment Plant and the Yamuna River. These sites together provided a rich platform for observing a wide range of freshwater algae, particularly those thriving under varying water quality conditions. The Yamuna, being a nutrient-enriched river in Delhi, supports a diverse array of pollution-tolerant algal forms, while the treatment plant allowed students to study algae present in incoming raw water before purification.

The excursion aimed specifically to familiarise students with freshwater algae, their morphology, classification and ecological significance. Dr. Shantanu Mandal, Dr. Shweta Sharma and Dr. Pamil Tayal accompanied the students on the trip and guided them during the sampling and microscopic observation sessions. They acted as constant mentors, explaining characteristic features of different algal groups while highlighting their role as indicators of water quality, nutrient levels and environmental health.

The experience proved to be exceptionally enriching for the botany students of Sri Venkateswara College. During the visit, students collected and examined samples from the Yamuna River, where high nutrient input and stagnant patches supported dense algal growth. Students observed a variety of algae including cyanobacteria, green algae and diatoms. Commonly recorded algae included *Nostoc*, *Spirogyra*, *Chlorella*, *Oedogonium*, and Diatoms. The faculty provided insights into their structural features, pigmentation, reproduction and adaptations to polluted waters.

Observations at the Yamuna showed high turbidity and dense mats of filamentous algae, reflecting the organic and nutrient-rich condition of the river. In contrast, the treatment plant demonstrated how early purification stages help reduce algal load, thereby improving water clarity and treatment efficiency.

Event coordinators: **Dr. Shantanu Mandal and Dr. Shweta Sharma**

Faculty for geo-tagged pictures: **Dr. Pamil Tayal**

PERMISSION LETTER



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PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. Please ensure a pre booking of the venue before getting the permission letter signed.
2. A copy of this duly filled form signed by the TIC/ Convener, IQAC Coordinator and Principal shall be submitted to ICT and/or Caretaker for necessary action.
3. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.

EVENT DETAILS

- Name of the Department/Society/Association: Department of Botany
- Name of the TIC and/or Convener: Prof./Dr./Mr./Ms. Dr. Shantaram Mandal (Convener)
Dr. Shweta Sharma (Co-convener)
- Proposed Title of the Event: Field visit for collection of Algae
- Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/ Skill enhancement/others (Please specify) Field visit at Yamuna River
- Participants: Student-centric /Faculty/ Other stakeholders (Please specify) student-centric
- Event Type: Offline/Online/Hybrid; Indoor/Outdoor
- Collaborating Agency /Organization (If any): NIL
- Tentative List of Speakers with affiliations: NIL
- Date & Time (from - to): One day visit 6th November 2025
- Financial Assistance/ Funding received (if any) (Please specify amount): NIL
- Proposed Budget (please attach details in a separate enclosure): NIL

12. Faculty responsible for Geo Tagged Pictures Dr. PAMIL TAYAL
13. Faculty responsible for Event Report Dr. PAMIL and Dr. shweta sha
14. ICT support required, if any (ICT Lab, Laptop, LCD projector) NIL
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) NIL
16. Venue requirement (Seminar hall/ Ground/others) NIL

Forwarded
Gadaw
9.10.2025

Shantanu Mendel
convenor

Shweta
(co-convenor)

TIC/Convenor
Date: 8/10/2025

For official purpose

Comments (If any) As a part of curriculum, mentioned in the syllabus
Sub: Phytology; the world of Algae. (copy of syllabus attached)
Criteria 2, 5, 7

Vaithalath
IQAC Coordinator
Date: 8/10/2025

Principal
Date: 09/10/25

ATTENDANCE SHEET

Sri Venkateswara College, University of Delhi Department of Botany

Field Trip Attendance Sheet

Title: "The World of Algae" – Educational Field Visit

S. No.	Roll Number	Name of Student	Signature
1	1424001	Paramveer Singh	<i>Paramveer Singh</i>
2	1424002	R. M. Notrei	<i>Notrei</i>
3	1424004	Shweta Maurya	<i>Shweta</i>
4	1424006	Jiya Chand	<i>Jiya Chand</i>
5	1424011	Shreya Yadav	<i>Shreya</i>
6	1424012	Kamakshi Dhamija	<i>Kamakshi</i>
7	1424014	Shivam Poonia	<i>Shivam</i>
8	1424016	Kashish Meher	<i>Kashish</i>
9	1424019	Namrata Kumari	<i>Namrata</i>
10	1424021	Himangshu Medhi	<i>Himangshu</i>
11	1424022	Neel Nayan	<i>Neel Nayan</i>
12	1424024	Utkarsh Singh	<i>Utkarsh</i>
13	1424025	Divya	<i>Divya</i>
14	1424026	Hitesh Singh Mahara	<i>Hitesh</i>
15	1424027	Adrija Mitra	<i>Adrija Mitra</i>
16	1424031	Bhawana	
17	1424033	Shreyansh	<i>Shreyansh</i>
18	1424036	Aashi Anand	
19	1424040	Rohan Jain	<i>Rohan Jain</i>
20	1424041	Gunjan Verma	<i>Gunjan</i>
21	1424045	Muskan Modi	
22	1424048	Vanshika Verma	<i>Vanshika</i>
23	1424049	Kashish	<i>Kashish</i>

Faculty In-Charge Signature: *Dr. Shantanu Mandal*

Date: *6/11/2025*

Head of Department (Botany): _____

Remarks (if any): *None*

PICTURES



Pic. 1 Algae in settling tank



Pic.2 Group photo at the end of the trip at Sonia Vihar Water Treatment Plant



Pic. 3 and 4 Sample collection at Yamuna River.

Algae observed under microscope

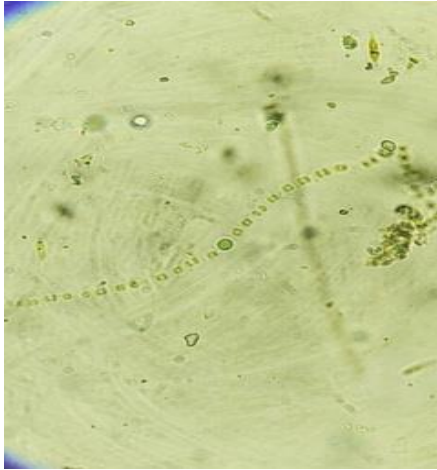


Fig.5 Filament of *Nostoc*

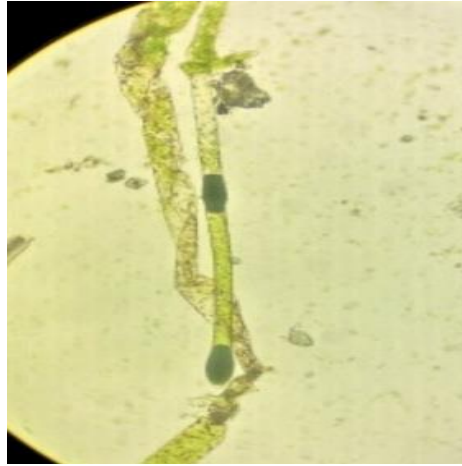


Fig.6 *Oedogonium* with Oogonium

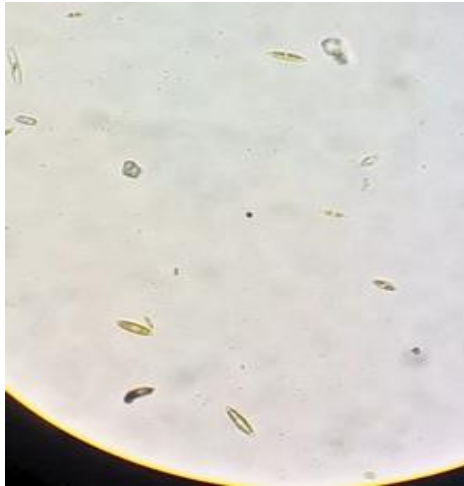


Fig. 7 *Diatoms*

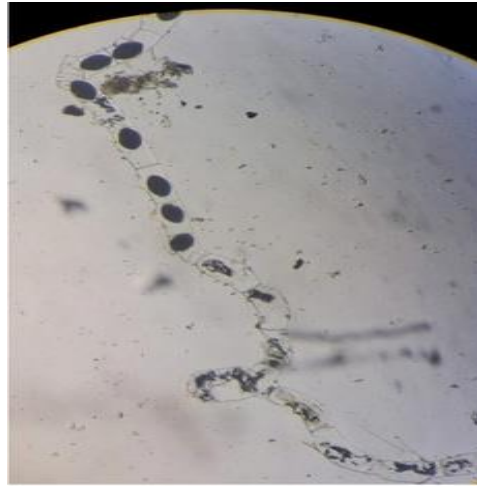


Fig. 8 *Spirogyra* filament with Zygote

CERTIFICATE FOR THE COMPLETION OF THE EVENT



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Sri Venkateswara College

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पूर्णता प्रमाण पत्र COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि यमुना नदी में शैवाल संग्रह - शैक्षिक क्षेत्र भ्रमण को 6 नवंबर 2025 को 10:00 पूर्वाह्न से 4:00 अपराह्न तक वनस्पति विज्ञान विभाग के द्वारा ऑफ़लाइन माध्यम में सफलतापूर्वक अयोजित किया गया और इस कार्यक्रम की रिपोर्ट अभिलेख के लिए आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ (IQAC) को जमा कर दी गई है।

This is to certify that the Educational Field Visit to Yamuna river for the collection of Algae was successfully conducted on 6th November, 2025 from 10:00 am to 4:00 pm by the Department of Botany in the Offline mode and its event report has been submitted to IQAC for records.

Shantanu Mandal
Shweta

Dr. Shantanu Mandal
Dr. Shweta Sharma

Event In-Charge

Vaithyath

IQAC Coordinator
Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Dhaua Kuan, New Delhi-110021

Shweta

Principal

Principal
श्री वेंकटेश्वर महाविद्यालय
Sri Venkateswara College
दिल्ली विश्वविद्यालय / University of Delhi
धौला कुआँ, नई दिल्ली / Dhaua Kuan, New Delhi