



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

**Sri Venkateswara College**

(University of Delhi)

NAAC Grade A+

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

**EVENT REPORT**

<b>NAME OF THE EVENT: Educational visit of Semester-I students of Value Addition Course (VAC)- Science and Society to The Nehru Planetarium, Teen Murti Marg, New Delhi on November 7, 2023</b>			
<b>DATE</b>	<b>DEPARTMENT</b>	<b>COMMITTEE/SOCIETY</b>	<b>COORDINATORS' NAME</b>
07.11.2023	Botany	None	<b>Teacher-In-Charge</b> Prof. Shukla Saluja <b>Event Coordinators</b> Dr. Madhu Raina Dr. Sachin Kumar
<b>TIME</b>	<b>VENUE</b>	<b>NUMBER OF PARTICIPANTS</b>	<b>NATURE: Outdoor/Indoor; online/offline/hybrid</b>
2:00 PM	The Nehru Planetarium, Teen Murti Marg, New Delhi	18	Outdoor/Offline
<b>FINANCIAL SUPPORT/ASSISTANCE (if any):</b>	None		

**BRIEF INFORMATION ABOUT THE ACTIVITY**


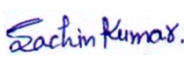
<b>TOPIC/SUBJECT OF THE ACTIVITY</b>	<b>Visit to explore space and different astronomical phenomena</b>
<b>OBJECTIVES</b>	<ol style="list-style-type: none"><li>1. Making students familiar with the rich floral and faunal biodiversities in and around the Yamuna River.</li><li>2. Educate students about the importance of preserving and protecting the Yamuna's ecosystem.</li></ol>
<b>METHODOLOGY</b>	<ol style="list-style-type: none"><li>1. Conduct a field visit to Yamuna River and its surrounding areas to observe and document the biodiversity.</li><li>2. Organize interactive sessions to share knowledge about the different species and their habitats.</li><li>3. Engage participants in hands-on activities like bird watching, plant identification and water quality testing.</li></ol>

<b>INVITED SPEAKERS WITH AFFILIATION DETAILS (IF ANY)</b>	None
<b>OUTCOMES</b>	<ol style="list-style-type: none"> <li>1. Increased understanding and appreciation of the diverse floral and faunal diversities in the Yamuna ecosystem.</li> <li>2. Enhanced awareness of the environmental challenges faced by the Yamuna River and the need to conserve the same.</li> <li>3. Empowered participants to take action in preserving the biodiversity of the Yamuna through individual and collective efforts.</li> <li>4. Creation of a network of individuals passionate about protecting the Yamuna's biodiversity.</li> </ol>

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

Notice & Letters ✓	Number of Participants & Name of participants ✓	Photos ✓	Activity Report ✓
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IQAC Document No: IQAC/SVC/2023-2024/BOTANY/Outdoor/03	Criterion No: II, VII
Departmental file no: BOTANY/2023-2024/Outdoor Activity/MR	IQAC file No: SVC/2023-2024

<b>NAME OF TEACHER &amp; SIGNATURE</b>	<b>NAME OF HEAD/ COMMITTEE INCHARGE &amp; SIGNATURE</b>
Dr. Madhu Raina Dr. Sachin Kumar	 Dr. Madhu Raina  Dr. Sachin Kumar

For Reference

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

## PERMISSION LETTER FOR ORGANIZING THIS TRIP



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### PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. 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.  
2. Please ensure a pre booking of the venue before getting the permission letter signed.  
3. A copy of this duly filled form signed by the TIC/ Convener and Principal shall be submitted to ICT [sysadmin@svc.ac.in](mailto:sysadmin@svc.ac.in), Caretaker [sandeepthra@svc.ac.in](mailto:sandeepthra@svc.ac.in), IQAC Coordinator [iqac@svc.ac.in](mailto:iqac@svc.ac.in), Dr. Arpita Kaul [arpita@svc.ac.in](mailto:arpita@svc.ac.in) for commerce, NSS, NCC, EOC, Empathise, Placement and Sports events, Dr. Urmi [urmi.b@svc.ac.in](mailto:urmi.b@svc.ac.in) for humanities events, Dr. P. Jayaraj [jayaraj@svc.ac.in](mailto:jayaraj@svc.ac.in) for sciences events. (Mails mentioned in SOP) and Dr. Nagendra Kumar Kalaparathi [nkalaparathi@svc.ac.in](mailto:nkalaparathi@svc.ac.in) , for IQAC/ NAAC criteria 1-7.

### EVENT DETAILS

1. Name of the Department/Society /Association: **BOTANY**
2. Name of the TIC/Convener (if any): Prof./Dr./Mr./Ms. **SHUKLA SALUJA**
3. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or community outreach/ skill enhancement/others..... **Educational trip to Yamuna Biodiversity Park.**
4. Participants: **25** Student-centric /Faculty/Both
5. Event Type: **Field trip** Offline/Online/Hybrid; Indoor/Outdoor
6. Collaborating Agency /Organization: .....
7. Proposed Title of the Event: **Field trip (Practical Component)**
8. Tentative List of Speakers with affiliations: .....
9. Date, Time from to : **Nov. 7, 2023 from 9:00 am to 4:00 pm**
10. Financial Assistance/ Funding received (if any) ..... **NA**
11. Proposed Budget (please attach details in a separate enclosure):  
..... **NA**
12. Faculty responsible for Geo Tagged Pictures .. **Dr. Madhu Raine**
13. Faculty responsible for Event Report .. **Dr. Madhu Raine**
14. ICT support required, if any (ICT Lab, Laptop, LCD projector) **NA**

15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) **NA**

16. Room requirement (Seminar/ any other) ..... **NA** .....

Shubra

Name & Signature of TIC/Convenor

Date: 30-10-2023

(Signature)  
31/10/2023

Signature of Principal

Date:

May take Dr.  
Sachin Kumar also  
along

Forwarded for the concerned teacher.

Shubra Laluja

31.10.2023.

Visit to Yamuna Biodiversity Park Attendance - Date: 7.11.2023

NAME	Department	Attendance
① STANZIN MANGUR	Life Science 1 <sup>st</sup> year	<u>Stanzin</u>
② Milan Kumar	Life Science 1 <sup>st</sup> yr	<u>Mil</u>
③ Neeraj Kumar	Chemistry 1 <sup>st</sup> year	<u>Neeraj</u>
④ Akshat Singhhal	Physics 1 <sup>st</sup> year	<u>Akshat</u>
⑤ Sahil	Chemistry 1 <sup>st</sup> year	<u>Sahil</u>
⑥ Bhumika	Life Science 1st year	<u>Bhumika</u>
⑦ Mehak Aggarwal	Life Science (P) 1 <sup>st</sup> year	<u>Mehak P.</u>
⑧ Charvi Priyadarshini	Life Science (P) 1 <sup>st</sup> year	<u>Priyadarshini</u>
⑨ Diksha	Life Science (P) 1 <sup>st</sup> year	<u>Diksha</u>
⑩ Yashashu Sharma	Life Sciences (P) 1 <sup>st</sup> year	<u>Yashashu</u>
⑪ Sandeep Singh Chandel	Life Sciences (P) 1 <sup>st</sup> year	<u>Sandeep</u>
12. Ishika Chaudhary	Life Science 1 <sup>st</sup> year	<u>Ishika</u>
13 - sneha Kanya	Life Sciences 1 <sup>st</sup> year	<u>Snehakanya</u>
14 - Chayen Chaudhary	Life Science 1 <sup>st</sup> year	<u>Chayen</u>
15) - Yash Mehta	Life Science 1 <sup>st</sup> year	<u>Yash</u>
16) - Tanish Sharma	Life Sciences 1 <sup>st</sup> year	<u>Tanish</u>
17) Anjali Yadav	BSc Maths 1 <sup>st</sup> year	<u>Anjali</u>
18) Jagdeep Agan	BSc. Biochem (H) 1 <sup>st</sup> year	<u>Jagan</u>

Madhu Rani  
7.11.2023.



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## CERTIFICATE

This is to certify that the visit to Yamuna Biodiversity Park: Nature Reserve of Delhi was successfully conducted on 07.11.2023 from 2:00 pm to 5:00 pm by Dr. Madhu Raina and Dr. Sachin Kumar of Department of Botany in the offline mode and its event report has been submitted to IQAC for records.

*Madhu Raina*  
8.11.23  
Event In-Charge

*[Signature]*  
IQAC Coordinator  
Coordinator, IQAC  
Sri Venkateswara College  
(University of Delhi)  
Dhaura Kuan, New Delhi-110021

*[Signature]*  
Principal  
PRINCIPAL (Acting)  
Sri Venkateswara College  
(University of Delhi)  
Dhaura Kuan, New Delhi-110021

## ACTIVITY REPORT

Yamuna Biodiversity Park (YBP), located near Wazirabad village on the western bank of the river Yamuna is a 9770 hectares biodiversity area in Indian capital, New Delhi. Developed by Delhi Development Authority (DDA), this park serves as an ideal alternative habitat for migratory and resident bird species. It is also deliberated to preserve the genome of agricultural crops growing in wild, improve groundwater recharge and supplement availability of freshwater. The YBP has become a home for a diversity of forest communities, biologically rich wetlands, grassland communities, a wide variety of fruit yielding species and plenty of medicinal herbs. The Park also encompasses native flora and fauna which used to exist many decades before and then became wiped out locally. It further, acts as a natural conservation site for specific group of endangered plants. Thus, the park has emerged as the capital's most visited public place and prominent center for learning and understanding the environment.

Eighteen students of Semester-I of Value Addition Course (VAC) - Science and Society accompanied by two teachers- Dr. Madhu Raina and Dr. Sachin Kumar visited YBP on November 7, 2023. After reaching the main entry gate of the park, all students submitted their attendance. It was followed by meeting with experts and students began their journey within the premises. With the help of experts, participants learned to identify different bird species, plants and aquatic life. They also conducted water quality tests to understand the health of the river ecosystem. During the visit, following floral and faunal biodiversities were observed;

### **Plant species**

1. *Manilkara hexandra*: Fruiting tree, Family Sapotaceae in tribe Sapoteae, Local name: Khirni tree having edible fruit, Bark is greyish and rough.
2. *Manilkara zapota*: Fruiting tree, Common name: Sapota, cheeku. Flowers white in color, compound extracted from the leaves showed anti diabetic, antioxidant and cholesterol lowering effects.
3. *Phyllanthus reticulatus*: Shrub, Family Phyllanthaceae. Common name: Black Honey shrub. Medicinal plant used in treatment of several diseases.
4. *Desmostachya bipinnata*: Family: Poaceae, Common name: halfa grass, push grass, salt loving plant, leathery leaves.
5. *Cordia myxa*: The Assyrian plum of family Boraginaceae. Pickles, lassod intially green but orange when ripe.
6. *Feronia lemonia*: Common name: Wood-apple. Family: Rutaceae. Uses: jaggery, full of sweetness, helps in giving energy to elephants. Host plant for lime butterfly.

7. *Chrysopogon zizanioides*: Common name: Vetiver and khus. Family: Poaceae. Uses: in Ayurveda having healing property, used in skin woes.
8. *Dahlia*: Family: Asteraceae. Bears flowers of several different colours, symbolises devotion, beauty, hence, attracting several insects.
9. *Euphorbia tirucalli*: Common Name: Pencil cactus. Family: Euphorbiaceae. Use: Biodiesel production.
10. *Barleria pruriens*: Common name: Porcupine flower. Family: Acanthaceae. Uses: Widely used as an ornamental weed, one of the ingredients of Vajradanti, produces glue having healing property.

### **Animal species**

A variety of insects such as Manyis, Grasshoppers and Beetles were seen.

Dragonflies and Damselflies are important components of wetland ecosystems. Being predators of other insects particularly mosquitoes and their larvae, these insects maintain trophic levels, regulate the population size of disease transmitting insects (vectors).

The park is nearly home to 75 butterfly species. Common castor, peacock pansy, line butterfly and common silverline are some of the species that were observed. Other insects like species of moths, flies, aphids, spiders, bees and wasps were also found in the conservatory.

Over 196 species have been recorded including residential and migratory bird species - parakeets, bulbuls, peafowls, prinias and shikra.

Pheasant tailed Javana, Bronze Winged Jacana, Pointed Stark, Asian Openbill, Eurasian Spoonbill, Ruddy Shelduck, Crane and many species were also seen.

The wetland also serve as reservoir for aquatic genetic resources and serve as source population for areas devoid of such aquatic fauna due to seasonal fluctuations on water level.



**Geo-tagged group photograph of students with teachers near the entry in Yamuna Biodiversity Park**



**Geo-tagged group photograph of students interacting with expert**



**Expert explaining different aspects of floral and faunal diversities during the visit**