



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: Outdoor Activity: Educational visit of B.Sc. (H) Biological Science, Sem-V students to 'Botanic Garden of India Republic (BGIR)' on October 22, 2024			
DATE	DEPARTMENT	COMMITTEE/SOCIETY	COORDINATORS' NAME
22.10.2024	Botany	None	Departmental Coordinator Dr. Sunita Yadav Event Coordinator Dr. Madhu Raina
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor; online/offline/hybrid
9:00 PM	Botanic Garden of Indian Republic	28	Outdoor/Offline
FINANCIAL SUPPORT/ASSISTANCE (if any):	None		

BRIEF INFORMATION ABOUT THE ACTIVITY

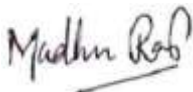
TOPIC/SUBJECT OF THE ACTIVITY	Field visit to Botanic Garden of India Republic (BGIR)
OBJECTIVES	<ol style="list-style-type: none">1.To provide experiential learning and cataloguing plants in an area.2. Educate students about the different mechanisms of seed dispersal in nature.
METHODOLOGY	<ol style="list-style-type: none">1. Conduct a field visit toBGIR to observe and document the biodiversity.2. Organize interactive session with a senior scientist, BGIR to share knowledge about the different types of plants growing at the study site.3. Engage participants in hands-on activities like identifying fruit bearing plants, watching different seed dispersal agents andcollecting different types of fruits.

INVITED SPEAKERS WITH AFFLIATION DETAILS (IF ANY)	None
OUTCOMES	<ol style="list-style-type: none"> 1. Increased understanding and appreciation of the diverse floral and faunal diversities in the BGIR ecosystem. 2. Students experienced organization/categorization of different plant sections in the garden. 3. Understanding temporal separation of flowering and fruiting stages of different trees.

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/October 2024-2025/BOTANY/Outdoor/04	Criterion No: II
Departmental file no: BOTANY/2024-2025/Outdoor Activity/MR	IQAC file No: SVC/2024-2025

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE
Dr. Madhu Raina	 Madhu Raina

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 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

1. Name of the Department/Society/Association:..... BOTANY
2. Name of the TIC and/or Convenor: Prof./Dr./Mr./Ms..... Dr. Madhu Raina
3. Proposed Title of the Event: Field trip to B.G.I.P. Botanical Garden of
Andhra Pradesh
4. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community
 outreach/ Skill enhancement/others (Please specify) Study tour Sem - V (Biological
[Total students = 29]
5. Participants: Student-centric /Faculty/ Other stakeholders (Please specify)..... Student Center
6. Event Type: Offline/ Online/ Hybrid; Indoor/ Outdoor
7. Collaborating Agency /Organization (If any): NA
8. Tentative List of Speakers with affiliations: NA
-
-
-
9. Date & Time (from - to): October 29, 2024; 9:30 AM - 5:00 PM
10. Financial Assistance/ Funding received (if any) (Please specify amount): Self funded
11. Proposed Budget (please attach details in a separate enclosure):

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) - nil
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) NA
16. Venue requirement (Seminar hall/ Ground/others) NA

Jadav
16.10.24
TIC/Convenor

Madhu Raine

Date: 16.10.2024

For official purpose
Comments (If any)

Theory and practical classes
will be adjusted later in
consent with respective teachers.

For Richa Mier
IQAC Coordinator
Date:

[Signature]
Principal
Date: 16/10/24



Tirumala Tirupati Devasthanams

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पूर्णताप्रमाणपत्र

COMPLETION CERTIFICATE

यह प्रमाणपत्र गणित विभाग (श्रीराम) द्वारा (तारीख) (समय) पूर्ण/अपूर्ण
..... पूर्ण/अपूर्ण (गणित/संयोजित) द्वारा (ऑनलाइन/ऑफलाइन/हाइब्रिड)
माध्यम से सफलतापूर्वक आयोजित किया गया और इस कार्यक्रम की रिपोर्ट अणुलेख
द्वारा ऑनलाइन/ऑफलाइन/हाइब्रिड (IQAC) को जमा की गई है।

This is to certify that the Field visit of B.Sc (Hons.) Biological Sciences students, Sem-V to Botanic Garden Indian Republic (BGIR), Noida, UP was successfully conducted on 22.10.2024 from 09:30 am to 05:00 pm by Dr. Madhu Raina and Dr. Muthabathula Prajna of Department of Botany in the Offline mode and its event report has been submitted to IQAC for records.

Madhu Raina
12-12-24
M. Prajna
12/12/24
Event In-Charge

Muthabathula Prajna
IQAC Coordinator
Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Dhauia Kuan, New Delhi-110021

V. N. S. Reddy
12/12/24
Principal
प्रधानाचार्य
Principal
श्री वेंकटेश्वर महाविद्यालय
Sri Venkateswara College
दिल्ली विश्वविद्यालय / University of Delhi
धौला कुआं, नई दिल्ली / Dhauia Kuan, New Delhi-21

STUDENTS LIST:

<u>Attendance</u>		Trip to BGRIR for study purpose.	
Biological Science Sem-V		Date: Oct. 22, 2024.	
<u>Morning</u>		<u>Evening</u>	
1. Gagandeep - 1322029	-	<i>[Signature]</i>	✓
2. Mehak kisa - 1322025	-	<i>[Signature]</i>	✓
3. Rakul Verma - 1322051	-	<i>[Signature]</i>	✓
4. Sneha	1322034	<i>[Signature]</i>	✓
5. Ashlesha	1322024	<i>[Signature]</i>	✓
6. Lakshay	1322023	<i>[Signature]</i>	✓
7. Manoj	1322010	<i>[Signature]</i>	✓
8. Mohdeep	1322040	<i>[Signature]</i>	✓
9. Aditi	- 1322062	<i>[Signature]</i>	✓
10. Riya	- 1322007	<i>[Signature]</i>	✓
11. Anisha	1322043	<i>[Signature]</i>	✓
12. Paridhi	1322009	Paridhi	✓
13. Sudha	1322002	Sudha	✓
14. Sushanth	1322063	<i>[Signature]</i>	✓
15. Ayush	1322049	Ayush	✓
16. Nitin	1322035	Nitin	✓
17. Debasmita	1322027	<i>[Signature]</i>	✓
18. Yash	1322006	<i>[Signature]</i>	✓
19. Arjun	13220801	<i>[Signature]</i>	✓
20. Karish	1322026	<i>[Signature]</i>	✓
21. Aman	1322033	<i>[Signature]</i>	✓
22. Nidhi	1322038	Nidhi	✓
23. Kishore	1322060	<i>[Signature]</i>	✓
24. Shubhanshu	1322061	<i>[Signature]</i>	✓
25. Anvi	1322046	<i>[Signature]</i>	✓
26. Saanya	1322015	<i>[Signature]</i>	✓
27. Shivika	1322059	Shivika	✓
28. Anjali	1322053	Anjali	✓

Madhu Rao
22/10/24

ACTIVITY REPORT



Botanic Garden of Indian Republic (BGIR) is located on the banks of river Yamuna in Noida, UP which is easily commutable from New Delhi. This is a unit of Botanical Survey of India (BSI). It is with a mission to mobilize botanic gardens and engage partners in securing plant diversity for the well-being of people and the planet. This garden is large with measuring 164.85 acres, which would serve as a nodal centre for conservation research and environmental education/awareness. The garden is sectioned into gardens for different plant species, houses a herbarium, seed bank, taxonomy garden, Nursery, composting unit and Library.

The herbarium is with a collection of 1500 specimens of Angiosperms collected from NCR and BGIR. The garden has a collection of approx. 350 species (introduced) includes herbs, shrubs and trees and there are 26 threatened and endemic species introduced for conservation. Interesting aspect is that *Hildegardiapopulifolia* (Roxb.) Schott. & Endl a critically endangered species of which only 18 trees are left in the wild is well preserved in BGIR with more than 15 individuals. Seed bank is involved in collection and storage of seeds from the garden as well as from other places in the country. It is also engaged in seed germination, collection of seedlings (including endemic and threatened plants), quality evaluation, storage, and developing seed data base of indigenous plant species introduced in the garden

This report provides an overview of the visit, including insights gained from a seniorscientist's presentation, exploration of different garden sections,discoveries of interesting plants, the herbarium visit, observationsin the fruit tree section. The visit began with a brief orientation led by a senior scientist on the significance of BGIR, its mission to conserve native and rare plants, and the importance of biodiversity in maintaining ecological balance. This introductory session set the stage for a deeper understanding of the garden's role in biodiversity conservation.The presentation introduced us to the botanical garden's extensive collection, which includes more than 6,000 plant species. The senior scientist highlighted BGIR's commitment to preserving plant biodiversity, particularly focusing on rare and endangered plants native to India.

EXPLORING DIFFERENT SECTIONS OF THE GARDEN

Following the presentation, we were guided through various sections of BGIR. Each area showcased a different theme and type of plant, each with its unique ecological value:

- **Medicinal Plant Section:** This section displayed an array of plants used in traditional and Ayurvedic medicine, such as Neem (*Azadirachta indica*), Tulsi (*Ocimumtenuiflorum*), and Ashwagandha

(*Withaniasomnifera*). We learned about the medicinal properties and applications of these plants in treating various ailments.

- **Ornamental Plant Section:** This area featured decorative and exotic species from around the world, including *Hibiscus*, *Bougainvillea*, and various Orchid species. Their vibrant colors and unique shapes highlighted the aesthetic beauty of plants and their role in landscape design.
- **Endangered Species Section:** In this section, we observed rare and endangered plants, such as *Rafflesia arnoldii*, known for producing the largest flower, and Brahma Kamal (*Saussureaobvallata*), a Himalayan plant known for its spiritual significance. The display emphasized the need for conservation efforts to protect these plants from extinction.
- **Aquatic Garden:** BGIR includes a water garden with a variety of aquatic plants, including Water Lilies (*Nymphaea* spp.) and Lotus (*Nelumbo nucifera*). This section highlighted the role of aquatic plants in maintaining water quality and supporting aquatic ecosystems.
- **Fruit Tree Section:** One of the highlights of our visit was the fruit tree section, where we observed a wide variety of fruit-bearing trees. Each tree offered a unique perspective on the diversity, seed dispersal mechanism, nutritional value and ecological significance of fruits.



Group Photograph Presentation on Botanical Diversity by Senior Scientist



The following plants from different sections were studied and photographed

Medicinal trees



Succulents



Fruit trees



The explosive seed dispersal mechanism in action



A butterfly acting as a pollinator, transferring pollen from one flower to another.



Aquatic section



Interacting at the Herbarium



