

ACTIVITY REPORT 2023-24

FACULTY: Science

DEPARTMENT: Botany

NAME OF THE ACTIVITY:	Outdoor Activity - Educational visit of B.Sc. (Hon.) Botany, Semester III Students to 'Botanical Garden of India Republic (BGIR)' on 13 th October, 2023
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DATE	FACULTY	DEPARTMENT/ COMMITTEE	COORDINATORS NAME
13/10/2023	Botany	Department of BOTANY	Teacher-In-Charge Dr. Shukla Saluja Event Coordinators – Dr. Muthabathula Prajna Dr. Madhu Raina
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE (INDOOR/OUTDOOR)
09:00 AM	Botanic Garden Indian Republic	22	Outdoor


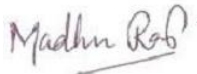
BRIEF INFORMATION ABOUT THE ACTIVITY:

TOPIC/SUBJECT OF THE ACTIVITY	Field Visit to Botanic Garden Indian Republic (BGIR) : To learn about and catalogue the Plants and study herbarium.
OBJECTIVES	<ul style="list-style-type: none">• The main objective of conducting this Educational Field trip for students is to provide experiential learning and

	<p>cataloguing of the plants in an area.</p> <ul style="list-style-type: none"> • To study and understand the vegetation. • To understand the role of BGRI in conservation of plant diversity. • The main objective of conducting an Educational Field trip for students is to reinforce experiential and contextual learning, better understanding about importance of plants especially Bryophytes, Pteridophytes and Gymnosperms.
<p>METHODOLOGY</p>	<ul style="list-style-type: none"> • To go through the garden and explore the different sections those are maintained. • To list out the plant species and photographing for digital cataloguing process. • Explanation related to the garden and sections – with different plants and their importance by the accompanied teachers Dr. Muthabathula Prajna and Dr. Madhu Raina. • Observation of the Herbarium specimens. • Interaction with the Scientists of BSI to know more details about the BGIR and BSI in plant conservation.
<p>OUTCOMES</p>	<ul style="list-style-type: none"> • Field trips are a way to enhance the learning abilities and understanding of the students. • The students experience the organization of a Botanic garden and its maintenance. • Study and list the plants. • Digital Cataloguing for future reference.

PROOFS AND DOCUMENTS ATTACHED:

Notice & Letters	Student List of Participation	Activity Report	Photos
✓	✓	✓	✓

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

IQAC Document No.: IQAC/SVC/ 2023-2024/ Botany/Outdoor/02	Criterion No: II, III, VII
Department File No.: Botany/2023-2024/ Outdoor Activity/ MP	IQAC File No. SVC/2023-2024

PERMISSION LETTER FOR ORGANIZING THIS TRIP:



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

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, Caretaker sandeepthra@svc.ac.in, IQAC Coordinator iqac@svc.ac.in, Dr. Arpita Kaul arpita@svc.ac.in for commerce, NSS, NCC, EOC, Empathise, Placement and Sports events, Dr. Urmi urmi.b@svc.ac.in for humanities events, Dr. P. Jayaraj jayaraj@svc.ac.in for sciences events. (Mails mentioned in SOP) and Dr. Nagendra Kumar Kalaparthy nkalaparthy@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 / **PRACTICAL COMPONENT.**
enhancement/others. **FIELD VISIT to BOTANICAL GARDEN, NOIDA.**
4. Participants: Student-centric /Faculty/Both
5. Event Type: **FIELD TRIP** Offline/Online/Hybrid; Indoor/Outdoor
6. Collaborating Agency /Organization: **NA**
7. Proposed Title of the Event: **FIELD VISIT & CATALOGUING**
8. Tentative List of Speakers with affiliations: **NA**
9. Date, Time from to : **13-10-2023; 9:00 am - 4:00 pm**
10. Financial Assistance/ Funding received (if any) **!**
11. Proposed Budget (please attach details in a separate enclosure): **-**
12. Faculty responsible for Geo Tagged Pictures **Dr. M. Prajna, Dr. Madhu Raine**
13. Faculty responsible for Event Report **Dr. M. Prajna, Dr. Madhu Raine**
14. ICT support required, if any (ICT Lab, Laptop, LCD projector) **-**

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

16. Room requirement (Seminar/ any other) NA

DY. M. PRAJNA Dr. Madhu Raine Shukla Laluja
M. Prajna (M. Praj) PROF. SHUKLA LALUJA
Name & Signature of TIC/Convenor Teacher-in-charge Signature of Principal
Botany Department.

Date: 5-10-2023.

Date:



Tirumala Tirupati Devasthanams

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Sri Venkateswara College
(University of Delhi)

NAAC Grade A+

CERTIFICATE

This is to certify that the (Field visit to Botanical Garden of Indian Republic (BGIR), Noida, UP) was successfully conducted on (13/10/2023) from 09.00 am to 04.00 pm by Dr. Muthabathula Prajna and Dr. Madhu Raina of Botany Department in the (Offline) mode and its event report has been submitted to IQAC for records.



















M.Prajna
Madhu Raina
Event In-Charge

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

[Signature]
Principal

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

BSc (Hons) Botany II

S No	Roll No	Name	
1	1422047	Krutika	
2	1422030	Paarva	
3	1422004	Insha	
4	1422043	Samridhi	
5	1422035	Mahak	
6	1422024 1422024	Yamini	
7	1422011	Rupam	
8	1422016	Anoushka Tiwari	
9	1422019	Sushant. C	
10	1422009	Sreyasri	
11	1422010	Witayashah	
12	1422013	Manisha	
13	1422002	Krutika	
14	1422041	Shouya	
15	1422050	Pankaj	
16	1422008	Mansi	
17	1422059	Chandni Shekhar Chaturvedi	
18	1422058	Grace	

STUDENTS LIST:

B.Sc., Botany (Hr.) - II Year.

S.No.	Roll. No.	Student Name
1.	1422001	Gunjita
2.	1422003	Keshish
3.	1422004	Insha Nazir
4.	1422008	Mansi Mavi
5.	1422009	Y. N. Sreya Sri
6.	1422010	Nikita Ghosh
7.	1422011	Rupam Singh
8.	1422013	Manisha
9.	1422015	Priyanka
10.	1422016	Anoushka Tiwari
11.	1422019	Sushant Chittety
12.	1422024	Yamini Raina
13.	1422030	Poorva
14.	1422035	Mahak Singh
15.	1422041	Shreya
16.	1422046	Khushboo
17.	1422047	Kritika
18.	1422049	Pooja
19.	1422050	Pankaj
20.	1422051	Prachi
21.	1422054	Priyanshi
22.	1422058	Grace
23.	1422059	Chandrasekher.

Permitted
5/10/23

M. Prady
5/10/23

M. Prady
5/10/23

ACTIVITY REPORT

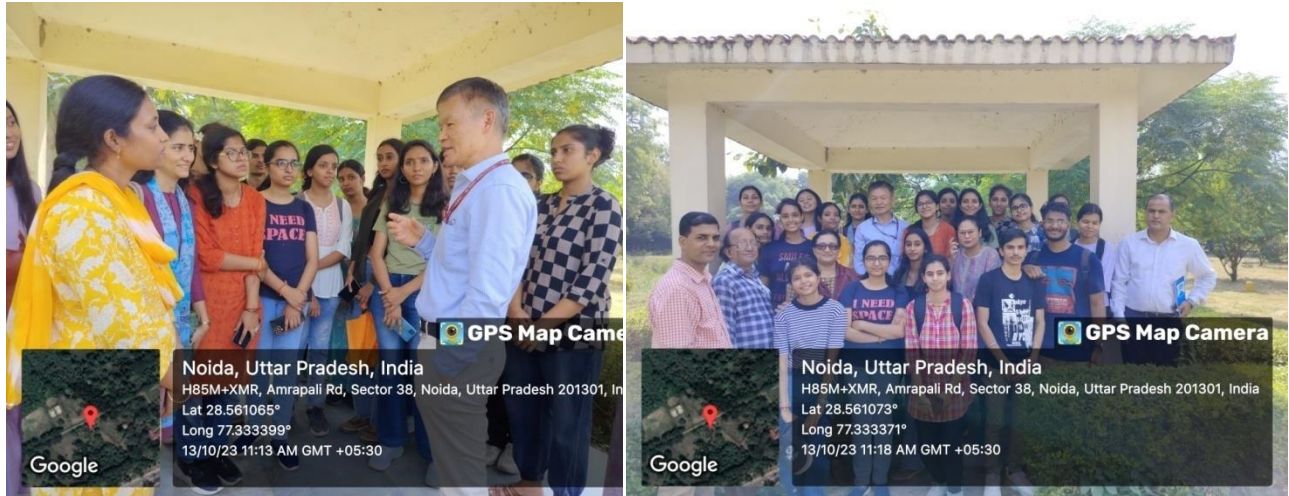
Botanic Garden of Indian Republic (BGIR) is located on the banks of river Yamuna in Noida, UP which is easily commutable from New Delhi. This is a unit of Botanical Survey of India (BSI). It is with a mission to mobilize botanic gardens and engage partners in securing plant diversity for the well-being 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 *Hildegardia populifolia* (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.

Taxonomy garden is introduced with representative plants arranged according to Bentham and Hooker's classification system which helps the student visitors to understand more about the practicality of this classification system and serves to popularize the taxonomy. There are around five nurseries to acclimatize the introduced species to the garden and the cluster of four nurseries serves for propagation and multiplication of species. This nursery also involved in the local distribution of the saplings rose.

A vermi-composting unit here models the biowaste management practice into manure preparation for the garden necessities. This serves as a good model to create awareness among students and public. The Library here has a good collection of books and journals. It holds about 1500 books and 35 journals on floristic, taxonomy, ecology, horticulture, environmental sciences and other disciplines of life sciences like Algae, Fungi, Lichens, Bryophytes, Pteridophytes, Ethnobotany, Medicinal plants and Forestry. It also contains the Monumental work of J.D. Hooker's "The Flora of British India" and pictorial books on garden plants.

As a whole it's a treatise to the students to visit this place. The more exciting happening on our visit was to meet the Director of BSI – Dr. A. A. Mao sir who visited BGIR on the same day and it was a great opportunity for the students to meet and interact with him where he enlightened the students on the importance of plants and their study especially the importance of field visits to enhance one's knowledge about the plants.



In Picture: Interaction of students and teachers with Dr. A. A. Mao (Director, BSI)

The following plants were studied and photographed for digital cataloguing:

Our main focus was on the plant groups like Bryophytes, Pteridophytes and Gymnosperms, but the garden’s climatic conditions are not that suitable for the growth of the groups like Bryophytes and Pteridophytes for now hence they were not spotted in the garden. As for the Gymnosperms, we found a few species like *Cycas*, *Thuja*, *Cupressus* in good number, these species were introduced and are well maintained in the garden.



Botanical name: *Cycas revoluta*
 Common name: Sago palm
 Family: Cycadaceae



Botanical name: *Thuja occidentalis*
 Common name: White cedar
 Family: Cupressaceae

Other plants that were studied in the garden were mostly belonging to the group of Angiosperms and there was a dedicated section for the cacti where different varieties of cacti were maintained in xerophytic plant section.



Geo-tagged Pictures clicked during the visit:





In picture (Left): Group of students of B.Sc., Botany (H.) III Semester with Director of Botanical Survey of India (BSI) Dr. A. A. Mao, accompanying teachers Dr. Muthabathula Prajna and Dr. Madhu Raina and other staff of BGIR at BGIR garden.