

Shri Shivaji Education Society Amravati's Science College
Congress Nagar, Nagpur
Department of Botany

REPORT
Study Tour 2022-2023

Excursions are arranged to give exposure to students. Field education is equally important as classroom teaching. It adds vigor in learning processes and relieves monotones of indoor education. Field study is an essential part of botany as plants are best studied in their natural habitat. These tours also help to build good repo amongst students and teachers.

As a part of B.Sc. Curriculum, one day trip was organized to Bor Dam District Wardha by Department of Botany, Science College Nagpur on 8th October, 2022 for semester III and Vth botany students. Total 4 teaching staff, 3 non teaching staff and 87 students were visited to Bor Dam. The major objective was to familiarize the students with the wild and cultivated flora and ecology of the region.

Bor Dam, is an earthfill dam on Bor river near Bori in the Bor Wildlife Sanctuary, Seloo Tahsil, Wardha district in State of Maharashtra in India. It is beautiful water reservoir surrounded by satpuda hills and famous for its scenic beauty and the jungle around it. Bor is superb destination to explore nature, landscape, wildlife and rural culture. The height of the dam above lowest foundation is 36.28 m (119.0 ft) while the length is 1,158 m (3,799 ft). The volume content is 0.002474 km³ (0.000594 cu mi) and gross storage capacity is 0.0138750 km³ (0.0033288 cu mi).

Topography:

Location of Bor Dam in Maharashtra

Official Name : Bor Dam D01225

Location : Bori

Coordinates : 20.9729808°N 78.6991882°E **Coordinates:**  20.9729808°N 78.6991882°E

Opening date : 1965

Owner(s) : Government of Maharashtra, India

Dam and spillways

Type of dam : Earthfill

Impounds: Bor river

Height : 36.28 m (119.0 ft)

Length : 1,158 m (3,799 ft)

Dam volume : 0.002474 km³ (0.000594 cu mi)

Reservoir

Total capacity : 0.127420 km³ (0.030570 cu mi)

Surface area : 13.506 km² (5.215 sq mi)

CLIMATE :

There are three seasons; summer, winter and the rainy season.

Summer is the hottest of the four temperate seasons, occurring after spring and before autumn. At or centred on the summer solstice, daylight hours are longest and darkness hours are shortest, with day length decreasing as the season progresses after the solstice. The earliest sunrises and latest sunsets also occur near the date of the solstice.

Winter is the coldest season of the year in polar and temperate climates. It occurs after autumn and before spring. The tilt of Earth's axis causes seasons; winter occurs when a hemisphere is oriented away from the Sun.

Rain is water droplets that have condensed from atmospheric water vapor and then fall under gravity. Rain is a major component of the water cycle and is responsible for depositing most of the fresh water on the Earth.

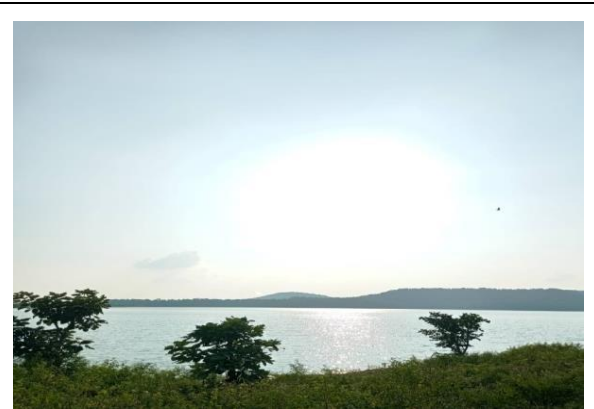
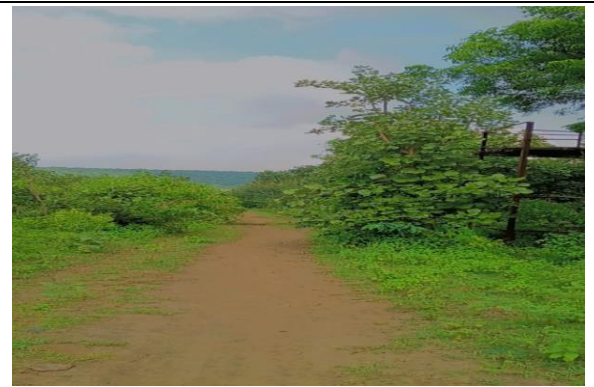
We have walked through the Bor dam and surrounding forest, exploring the plants on the way. Students were made to identify the plants with their scientific name, family, identifying characters along with their importance. Some of the flowering twigs have been collected for the study of the families in syllabus.

List of some Studied plants in Excursion tour

1. *Hibiscus esculentus* (Ranbhendi)
2. *Cassia auriculata* (Tarwar)
3. *Pithecellobium dulce* (Jungli imli)
4. *Sterculia foetida* (Jungli Badam)
5. *Tribulus terrestris* (Gokhru)
6. *Tectona grandis* (Teak)
7. *Santalum album*
8. *Butea monosperma*
9. *Diospyros melanoxylon*
10. *Terminalia elliptica* (Ain)
11. *Hyptis suaveolens*



MAP – BOR DAM





(Vernonia cineraria)



Sesamum radiatum



Cassia tora



Tectona grandis (Teak)



Tribulus terrestris (Gokhru)

Sonwalkar

Dr. R.P.Sonwalkar
(Tour In-charge)

Student List :
Field Visit to Bor Forest
Date: 8th October 2022

Sr. No	Student Name	Signature
1	Mohod Madhavi Sanjay	<i>Mohod</i>
2	Mahule Yash Nitin	<i>Mahule</i>
3	Giri Devendra Shyam	<i>Giri</i>
4	Janmay Kachaliya	<i>Janmay</i>
5	Khushi V Singh	<i>Khushi</i>
6	Prash Waghmare	<i>Prash</i>
7	Yash Dhende	<i>Yash</i>
8	Astha Bhange	<i>Astha</i>
9	Mirza Safura Sameer	<i>Mirza</i>
10	Bhange Astha Ramesh	<i>Bhange</i>
11	Nandini Kapoor	<i>Nandini</i>
12	Kharkar Abhishek Sheshrao	<i>Kharkar</i>
13	Dikshita Galbale	<i>Dikshita</i>
14	Pohankar Prajwali Prashant	<i>Pohankar</i>
15	Aditi Giri	<i>Aditi</i>
16	Aditi Jain	<i>Aditi</i>
17	Kalamkar Snehal Suresh	<i>Kalamkar</i>
18	Bandhukia Afiya Munaf	<i>Bandhukia</i>
19	Akshay Bhatkulkar	<i>Akshay</i>
20	Gautam Anjali Bhimsingh	<i>Gautam</i>
21	Thakur Apurva Ashoksingh	<i>Thakur</i>
22	Hedau Ayushi Laxminath	<i>Hedau</i>
23	Bhagyashree Shahu	<i>Bhagyashree</i>
24	Bhavana Bhujade	<i>Bhavana</i>
25	Nannaware Chinmayee Pratap	<i>Nannaware</i>
26	Madan Dakshita Sanjay	<i>Madan</i>
27	Dnyaneshvarii Sukhare	<i>Dnyaneshvarii</i>
28	Kumbhare Falguni Vinod	<i>Kumbhare</i>
29	Shivhare Falguni Sanket	<i>Shivhare</i>
30	Gauri Nasre	<i>Gauri</i>
31	Dakaha Isha Arun	<i>Dakaha</i>
32	Bhujade Jinitsha Dewaji	<i>Bhujade</i>
33	Somkuwar Khushi Yuvraj	<i>Somkuwar</i>
34	Bajait Krunal Ashok	<i>Bajait</i>
35	Khobragade Lekhita Rameshwar	<i>Khobragade</i>
36	Roria Madhavi Ranvir Singh	<i>Roria</i>
37	Varhade Megha Vinod	<i>Varhade</i>
38	Bendre Mrunmayee Sunil	<i>Bendre</i>
39	Nivedita Kusram	<i>Nivedita</i>
40	Palash Nikhade	<i>Palash</i>
41	Payal Nistane	<i>Payal</i>
42	Poonam Khope	<i>Poonam</i>
43	Prachi Satikosare	<i>Prachi</i>

44	Prashik Dhabarde	<i>Prashik</i>
45	Rakshita Galbale	<i>Rakshita</i>
46	Rasika Durbule	<i>Rasika</i>
47	Rasika Patil	<i>Rasika</i>
48	Safura Mirza	<i>Safura</i>
49	Samiksha Chaware	<i>Samiksha</i>
50	Sanjeevani Patil	<i>Sanjeevani</i>
51	Sejal Uikey	<i>Sejal</i>
52	Shalini Bharti	<i>Shalini</i>
53	Shamal Bhatkulkar	<i>Shamal</i>
54	Shinjan Goutam	<i>Shinjan</i>
55	Kharche Shrivani Anil	<i>Kharche</i>
56	Wagchoure Shirui Pramod	<i>Wagchoure</i>
57	Sontakke Srushti Siddharth	<i>Sontakke</i>
58	Bangale Swarup Vijay	<i>Bangale</i>
59	Tasbiha Chhaware	<i>Tasbiha</i>
60	Tejas Deshpande	<i>Tejas</i>
61	Thorvi Kubade	<i>Thorvi</i>
62	Vaidehee Bawankar	<i>Vaidehee</i>
63	Vasu Madekar	<i>Vasu</i>
64	Yash Mehar	<i>Yash</i>
65	Zainab Motarwala	<i>Zainab</i>
66	Bhongade Vedant Sudhir	<i>Bhongade</i>
67	Radhika Gaikwad	<i>Radhika</i>
68	Saloni Gautam	<i>Saloni</i>
69	Avanti Pusdekar	<i>Avanti</i>
70	Gaurkar Samir Liladhar	<i>Gaurkar</i>
71	Khade Mohit Ramnath	<i>Khade</i>
72	Kukde Vaishnavi Diliprao	<i>Kukde</i>
73	Wankhade Atharva Shikumar	<i>Wankhade</i>
74	Jambhule Rohit Prabhakar	<i>Jambhule</i>
75	Mohadikar Praniti Jagdish	<i>Mohadikar</i>
76	Dhole Trupti Marotra	<i>Dhole</i>
77	Rangari Shriya Subhash	<i>Rangari</i>
78	Bhotmange Aaryan Ashok	<i>Bhotmange</i>
79	Ruikar Shruti Ishwar	<i>Ruikar</i>
80	Janhavi Burade	<i>Janhavi</i>
81	Anushka Khare	<i>Anushka</i>
82	Achal Sharma	<i>Achal</i>
83	Batke Abhishek Manoj	<i>Batke</i>
84	Chakole Yash Ghanshayam	<i>Chakole</i>
85	Kapoor Nandini Ashish	<i>Kapoor</i>
86	Kolhatkar Isha Ajay	<i>Kolhatkar</i>
87	Kusram Nivedita Sunil	<i>Kusram</i>

Chaware
 Tour Incharge
 Dr. R.P.Sonwalkar

Date: 12/09/2022

Shri Shivaji Education Society Amaravati's
Science College, Congress Nagar, Nagpur

Notice

All the students of B.Sc Sem - III & Vth are hereby informed that, Department of Botany will be organizing Short Excursion tour to visit to Bor forest as a part of your curriculum on dated 08/10/2022 to explore the flora in their natural habitat. All information will be provided to the students (respective groups) and they are informed to give their names on or before 20/09/2022 to Dr. Reshma P.Sonwalkar (8007684196).

Chaware
 Tour In-charge
 Dr. Reshma P.Sonwalkar

Basu
 Head
 Prof. R.N.Deshmukh

Shri Shivaji Education Society Amravati's Science College

Congress Nagar, Nagpur

Department of Botany

Study Tour 2022-2023

Feedback

Thank you for participating in the study tour! We would greatly appreciate your feedback to help us improve future tours. Please take a few moments to rate the following aspects of the tour.

1. Organization and Planning

- Excellent
- Good
- Average
- Poor

2. Tour Guides' Knowledge and Expertise

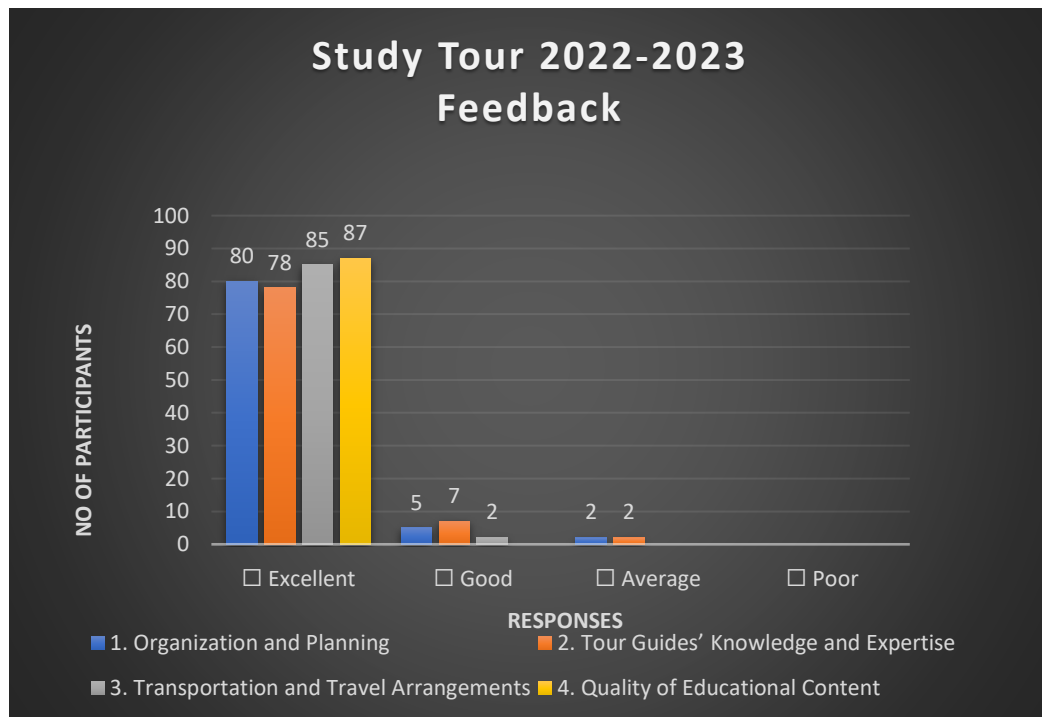
- Excellent
- Good
- Average
- Poor

3. Transportation and Travel Arrangements

- Excellent
- Good
- Average
- Poor

4. Quality of Educational Content

- Excellent
- Good
- Average
- Poor



Action taken :

The study tour organized by the Department of Botany under the guidance of Prof R. N. Deshmukh Head Department of Botany , Tour In-charge Dr. Reshma Sonwalkar at Bor Dam on October 8, 2022, several improvements have been implemented based on the feedback received. The educational materials used during the tour have been thoroughly revised to provide more detailed and relevant information aligned with current botany curriculum standards. Additionally, a training program was conducted for the tour guides to enhance their presentation skills and ensure that their explanations were clear and engaging. The tour itinerary has also been adjusted to allocate more time for on-site observation and interactive activities, allowing students to engage more effectively with the environment. These actions have led to improved feedback from participants, who now report a more enriching and informative experience. Future tours will continue to benefit from these enhancements, with ongoing monitoring to ensure continued success. Total 4 teaching staff, 3 non teaching staff and 87 students were visited to Bor Dam. The major objective was to familiarize the students with the wild and cultivated flora and ecology of the region.