



STUDY TOUR REPORT

2021 - 2022



Faculty Members:

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Details of Study Tour

The present report is a compilation of the events, places visited and activities of educational trip to Bor dam, Meditation center, Dr. Paliwal's CBeeD, Bapu ki kuti, Center of Science for Villages organized by Dept. of Botany & Zoology, Dr. Ambedkar College Deekshabhoomi Nagpur, on 1st of April 2022 with the aim to aid the students acquire basic knowledge of ethnomedicinal plants, aquatic flora, ecosystem, beekeeping and value added products.

In the morning of 1st April 2022, all the students and teachers gathered in college premises. We started our journey in morning at near to 7 A.M. with 44 students and 5 teacher staff.

BOR SANCTUARY & BOR DAM

On the way to Bor Sanctuary & Bor Dam Dr. S. R. Somkuwar and Dr. Rahul B. Kamble showed many ethnomedicinal tree species including *Sterculia urens*, *Butea monosperma* var. *lutea*, *Chloroxylon swietenia*, *Buchanania lanzan*, *Diospyros melanoxylon*, etc to highlights the utility and conservation of Rare Endangered Threatened (RET) species.

We reached at Bor dam nearly at 9.45am. We have seen the ecology of the forest area also aquatic vegetation in and around the dam. Bor dam is an earth fill dam on Bor river near Bori in the Bor Wildlife Sanctuary, Seloo Tahsil, Wardha district in state Maharashtra, India. Bor dam is the main reservoir to maintain adequate ground water table for flora and fauna in the Sanctuary. There we had our breakfast and wrapped up for our next spot that was Meditation center.

BOR MEDITATION CENTER:

Indian history is full of wars, kingdoms, rulers and most importantly knowledge. Many known saints, priests and kings had gained knowledge of life. One such saint named Hiuen Tsang, who was a Chinese scholar, traveller, and translator of Buddhist Scientific philosophy. He is known for the epoch-making contributions to Chinese Buddhism, the travelogue of his journey to India in 629-645 CE, his efforts to bring over 657 Indian texts to China, and his translations of some of these texts.



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It is said that this meditation center is built in memory of Hiuen Tsang. There we all sat and tried to gain the peace and Scientific knowledge. Also, our botany teachers showed a tree named *Couroupita guianensis* whose vernacular name is Cannon ball tree and *Santalum album* L. (The Sandalwood), *Ficus religiosa* (Bodhi Tree) etc.

Dr . Paliwal's CBeeD:

Dr. Paliwal's CBeeD was our third stop in our study tour. All the students were welcomed by at their centre. Then we sat in the presentation hall where Dr. Paliwal first gave us brief about CBeeD, species of honey bee's and establishment of forest honey based sustainable social enterprises. After that we had a question and answer session in which Dr. Paliwal cleared all the queries and doubts.

Then he showed us how they deal with honey bees. We saw colonies of bees. Then Dr. Paliwal madam showed a test to determine the quality of genuine honey. We saw some old batches of honey and bee wax. Then Dr. Paliwal showed us his honey manufacturing and packaging line. And we bought some honey too. After that we gave Dr. Paliwal and his team a vote of thanks for sharing the knowledge with us.



Bapu Kuti (Bapu Cottage) Sevagram:

After having our lunch, we visited to Bapu kuti which was just in front of canteen. Gandhiji's hut was originally small one. The verandah on the northern side, the bath room, the small room for guests and the porch in front of the entrance were later additions. The small room was the centre of



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activity of Gandhiji. Everything in his hut was so simple which includes- wooden paper weights, Japanese Holy cloth, ink stand, spittoon, bottle for boiled drinking water, wooden pen and pencil stand, pins and tags container, small rosary, wooden bowl, sandal wood first aid box, folding spinning wheel, Red stone paper weight, foot cleaning earthen piece, marble paper weight etc. All the items used by Bapu lying in the open area but no one is allowed to touch as per their rules. It was a privilege to visit this place where Gandhiji stayed. It is well maintained. We could see the rooms where Bapu had stayed, where Kasturba Gandhi stayed. The atmosphere is serene and just standing at the square where Bapuji used to pray filled us with peace.



Group photo with Shri TRN Prabhu, President Bapu Kuti Sevagram



Center of Science for Villages Wardha:

As the sun was setting we moved forward to your next destination, which was full of innovation and ancient indigenous scientific methodologies. There we got acquainted with the sustainable innovations with minimal natural resources for better future. One of those was the water filter which was different from the modern day water purifier. We can observe the basic structure of the water filter which purifies and preserves the mineral

content of the water. This is such a great example of innovation at the lowest cost which was made available to villagers so that they can take maximum advantage of this creative equipment. Also we got to know about the different type of mud bricks which were curved and hollow such ancient arrangements made us realise their importance and their scientific value we were overjoyed by knowing these things and returned back with good experiences.

