

Dr. Sharad S. Kulkarni

Principal

Tel: (02451) 222004, 223080 (R.) 222427

Email- principalnutan@rediffmail.com

“Excursion Tour Report: Forest Research Center, Jalna”

Date: January 21, 2019

Place: Jalna

Students Participants: 35 B.Sc.,

Faculty Participants: 3 Faculty Members

Introduction:

On January 21, 2019, the Department of Botany at [Nutan Mahavidyalaya, Selu] organized an excursion tour to the Forest Research Center in Jalna for 35 B.Sc. students and 3 faculty members. This educational visit aimed to bridge the gap between theoretical knowledge and practical application in forestry by providing students with first-hand experience of the diverse plant life, research activities, and conservation efforts undertaken by the Center.

Location and Significance:

The Forest Research Center in Jalna plays a crucial role in studying, conserving, and managing the diverse forest ecosystems of Maharashtra. This visit offered students a valuable opportunity to witness first-hand the Center's efforts in preserving biodiversity, developing sustainable forestry practices, and combating environmental challenges.

Aims and Objectives of the Excursion Tour to Jalna

Aim:

- To broaden the botanical knowledge and practical understanding of B.Sc. students from the Department of Botany, Nutan Mahavidyalaya, Selu, by immersing them in the diverse plant life of Jalna and bridging the gap between theoretical learning and real-world experience.

Objectives:

Knowledge and Understanding:


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- **Expand Plant Diversity Awareness:** Enhance students' understanding of the rich variety of plant species found in the Jalna region, including cultivated crops, native flora, and potentially endangered or endemic plants.
- **Solidify Theoretical Concepts:** Allow students to connect classroom learning to real-world scenarios by observing plant morphology, adaptations, and ecological roles in their natural habitat.
- **Gain Insights into Local Plant Communities:** Foster appreciation for the unique plant communities and ecosystems specific to Jalna.

Skills and Application:

- **Develop Plant Identification Skills:** Equip students with the ability to identify and classify various plant species encountered during the tour.
- **Refine Field Observation Techniques:** Hone skills in data collection, note-taking, and scientific observation in a natural setting.
- **Apply Theoretical Knowledge Practically:** Enable students to bridge the gap between theory and practice by applying their botanical knowledge to analyze plant adaptations and interactions within the ecosystem.

Personal Development and Values:

- **Spark Scientific Curiosity:** Ignite students' interest in plant science, ecology, and conservation efforts in the region.
- **Cultivate an Appreciation for Biodiversity:** Foster a sense of wonder and respect for the diversity and importance of plant life in maintaining ecological balance.
- **Promote Teamwork and Communication:** Encourage collaboration and information sharing among students through group activities and discussions.
- **Develop Responsible Environmental Awareness:** Instill the importance of responsible observation and minimal impact on the natural environment.

Activities and Learning:

The tour incorporated a multitude of engaging activities:

- **Guided Nature Walks:** Experts led students through various forest types within the Center, showcasing a wide range of indigenous plant species and their adaptations to the environment.
- **Interactive Sessions with Researchers:** Students participated in interactive sessions with researchers, gaining insights into ongoing research projects related to forest ecology, conservation, and sustainable management practices.
- **Seedling Nursery and Propagation Techniques:** Students observed different stages of seedling development and learned about various propagation techniques employed by the Center.

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- **Herbarium and Museum Visits:** Students explored the Center's herbarium and museum collections, gaining valuable knowledge about the region's diverse flora and fauna.
- **Data Collection and Documentation:** Through note-taking, photography, and collecting plant samples (with permission and responsible practices), students documented their observations for further analysis and report writing.

Additional Considerations:

- Tailor the specific objectives to align with the current curriculum and learning outcomes of the botany program at Nutan Mahavidyalaya, Selu.
- Offer activities that cater to various learning styles and interests of the students.
- Encourage reflection and analysis through post-tour discussions, written reports, or presentations.
- By fulfilling these aims and objectives, the excursion tour can be a transformative learning experience for the students, fostering a deeper understanding and appreciation for the fascinating world of plants in their regional context.

Outcomes and Impact:

This excursion tour provided students with several valuable takeaways:

- **Enhanced Knowledge:** Students gained deeper understanding of the diverse plant life in the Jalna region, their ecological roles, and the importance of forest conservation.
- **Practical Application:** They connected their theoretical knowledge of plant biology, ecology, and conservation to real-world practices applied by the Center.
- **Research Appreciation:** Witnessing ongoing research projects fostered a sense of appreciation for the scientific efforts towards sustainable forest management.
- **Career Inspiration:** The visit potentially sparked career aspirations in students interested in forestry research, conservation, or environmental management.

Conclusion:

The excursion to Jalna proved to be a valuable and enriching learning experience for the B.Sc. students of the Department of Botany at Nutan Mahavidyalaya, Selu. By immersing themselves in the diverse plant life of the region, bridging the gap between theory and practice, and developing crucial skills like identification and observation, the tour successfully achieved its aims and objectives. Stepping away from textbooks and into the natural world allowed students to solidify their theoretical knowledge by witnessing first-hand the morphology, adaptations, and ecological roles of various plant species. This hands-on exposure likely sparked scientific curiosity among them, potentially igniting a passion for plant science, ecology, and conservation efforts in Jalna. Beyond personal interest, the excursion fostered teamwork and communication among students through discussions and interactive activities. This collaborative learning environment undoubtedly strengthened their understanding of the interconnectedness between plant life, forestry practices, and environmental sustainability. Overall, the Jalna excursion effectively supplemented classroom learning, leaving a lasting impression on the students. This immersive experience will likely influence their academic journey and motivate them to further explore the

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fascinating world of botany, both in theory and in practice, with a newfound appreciation for the unique plant communities and biodiversity of their region.



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HEAD
Department of Botany
Nutan Mahavidyalaya
Sailu, Dis. Parbhani

Director IQAC


Director
IQAC
Nutan Mahavidyalaya, Selu

Principal

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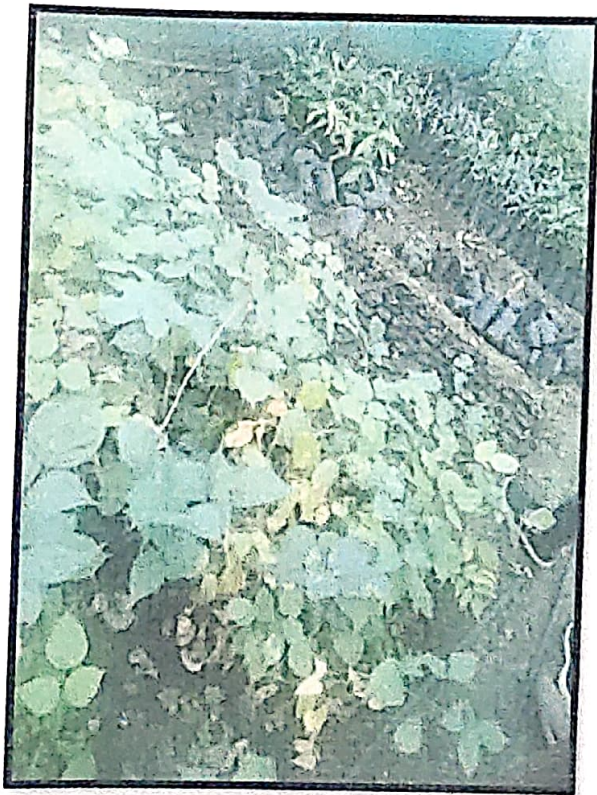
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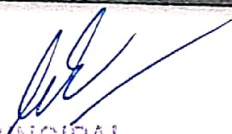

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visit to forest Nursery
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