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“Report on the Visit to Apiculture Research Institute, Mahabaleshwar Dist. Satara”

Date: February 4, 2020

Place: Apiculture Research Institute, Mahabaleshwar

Students Participants: 42 B.Sc.,

Faculty Participants: 4 Faculty Members

Introduction:

On February 4, 2020, a group comprising 42 B.Sc. students and 4 faculty members visited the Apiculture Research Institute located in Mahabaleshwar, Dist. Satara. The purpose of the visit was to provide students with practical exposure to apiculture (beekeeping) practices, honey production techniques, and research in the field of beekeeping.

Activities:

- **Welcome and Orientation:**

Upon arrival at the Apiculture Research Institute, the group was warmly welcomed by the institute's staff and researchers. An orientation session provided an overview of the institute's objectives, ongoing research projects, and contributions to the field of apiculture.


- **Guided Tour of Facilities:**

Students were given a guided tour of the institute's facilities, including apiaries, honey extraction units, research laboratories, and demonstration areas. They observed different types of beehives, beekeeping equipment, and honey extraction techniques.

- **Practical Demonstrations:**

Practical demonstrations were conducted to showcase various aspects of beekeeping, including hive management, colony inspection, queen rearing, and honey harvesting. Students had the opportunity to actively participate in these demonstrations under the guidance of institute staff.

- **Educational Presentations:**


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Educational presentations were delivered by institute researchers on topics such as bee biology, behaviour, diseases, and pests, as well as honey production, processing and marketing. These presentations aimed to enhance students' understanding of the scientific principles and practical aspects of apiculture.



• **Question and Answer Session:**

A question and answer session allowed students to clarify doubts and seek further information on topics related to beekeeping, honey production, and research in apiculture. Faculty members facilitated discussions and encouraged active participation from students.

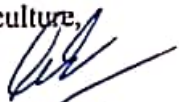
Aims and Objectives of the Excursion Tour to the Apiculture Research Institute, Mahabaleshwar

Aims:

- **First-Hand Experience:** To provide students with a first-hand experience of apiculture (beekeeping) practices, honey production techniques, and research in the field of beekeeping at the Apiculture Research Institute in Mahabaleshwar.
- **Supplementation of Theoretical Knowledge:** To supplement the theoretical knowledge gained in classrooms with practical exposure to beekeeping and honey production, enhancing students' understanding of plant-pollinator interactions and the importance of bees in ecosystems.

Objectives:

- **Exploration of Apiculture Practices:** To organize guided tours and practical demonstrations at the Apiculture Research Institute, allowing students to observe and learn about different aspects of beekeeping, including hive management, colony inspection, and honey harvesting.
- **Observation of Bee Behaviour:** To enable students to observe bee behaviour, communication, and foraging activities in apiaries, botanical gardens, and natural habitats surrounding the Apiculture Research Institute.
- **Study of Plant-Pollinator Interactions:** To facilitate discussions and educational presentations on plant-pollinator interactions, highlighting the role of bees in pollination and the significance of pollinators for maintaining biodiversity and ecosystem services.
- **Exposure to Research in Apiculture:** To introduce students to ongoing research projects and innovations in apiculture, including studies on bee biology, health, genetics, and the development of sustainable beekeeping practices.
- **Hands-On Learning:** To provide students with hands-on learning opportunities, allowing them to actively participate in beekeeping activities, honey extraction, and processing under the guidance of institute staff and researchers.
- **Integration of Classroom Learning:** To integrate the knowledge and concepts learned in botany classrooms with practical experiences and observations in the field of apiculture.


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reinforcing students' understanding of plant-pollinator relationships and ecological principles.



Overall, the excursion tour aims to provide students with a comprehensive learning experience that combines theoretical knowledge with practical exposure to beekeeping practices and research in apiculture. It seeks to enhance students' understanding of plant-pollinator interactions, ecosystem dynamics, and the importance of bees for agricultural and environmental sustainability.

Conclusion:

The excursion tour organized by the Department of Botany, Nutan Mahavidyalaya, Selu, to the Apiculture Research Institute in Mahabaleshwar on February 4, 2020, has successfully achieved its aims and objectives of providing students with a first-hand experience of apiculture practices and supplementing their theoretical knowledge gained in classrooms. Through guided tours, practical demonstrations, and educational presentations, students gained valuable insights into beekeeping techniques, honey production processes, and research in apiculture. They had the opportunity to observe bee behaviour, participate in hands-on activities, and engage with institute staff and researchers, enhancing their understanding of plant-pollinator interactions and the significance of bees in ecosystems. The excursion not only provided students with practical skills in beekeeping but also inspired them to appreciate the importance of bees for agricultural pollination, biodiversity conservation, and food security. It reinforced classroom learning by integrating theoretical knowledge with real-world experiences in the field of apiculture. The Department of Botany extends gratitude to the Apiculture Research Institute for their hospitality and valuable contributions to the visit. The excursion has broadened the horizons of students and equipped them with knowledge and skills that will contribute to their academic and professional growth in the field of botany and environmental science.

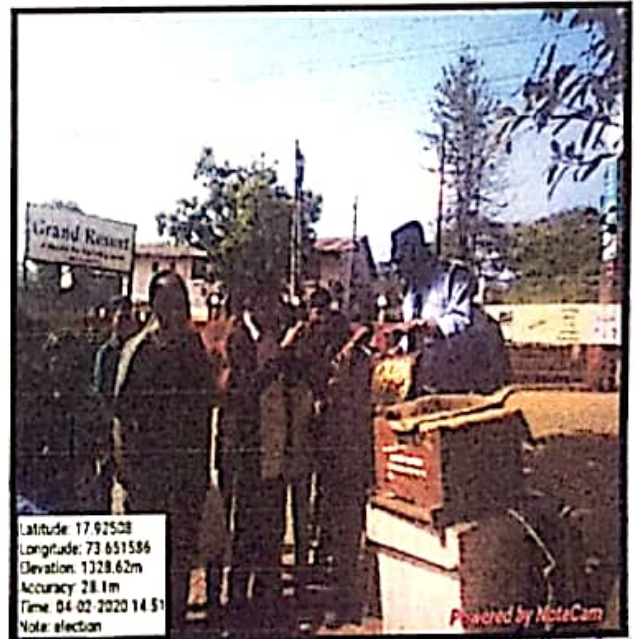
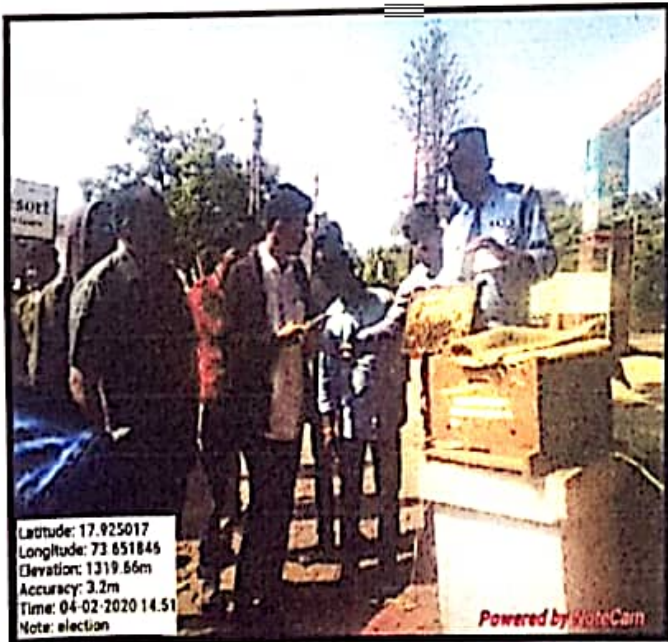
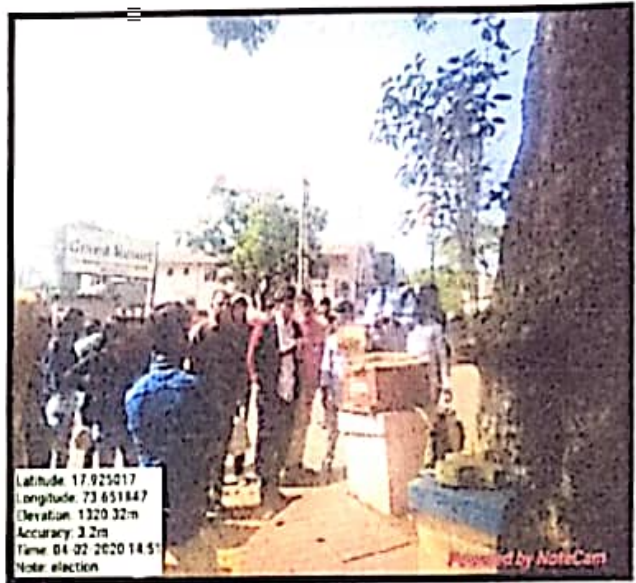
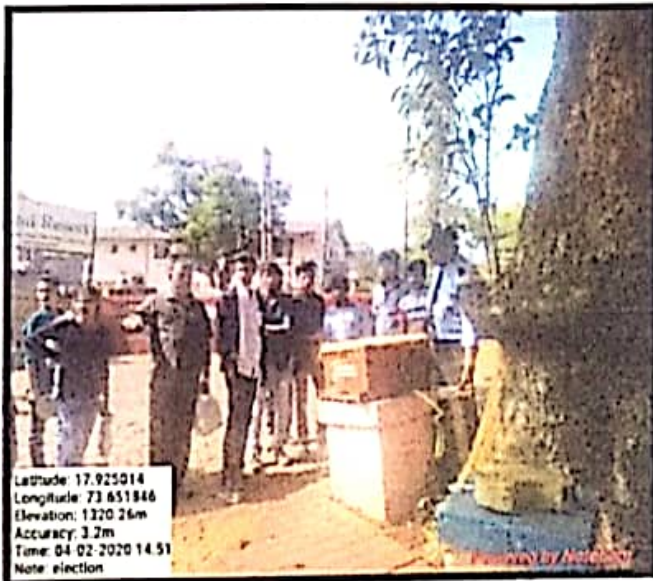
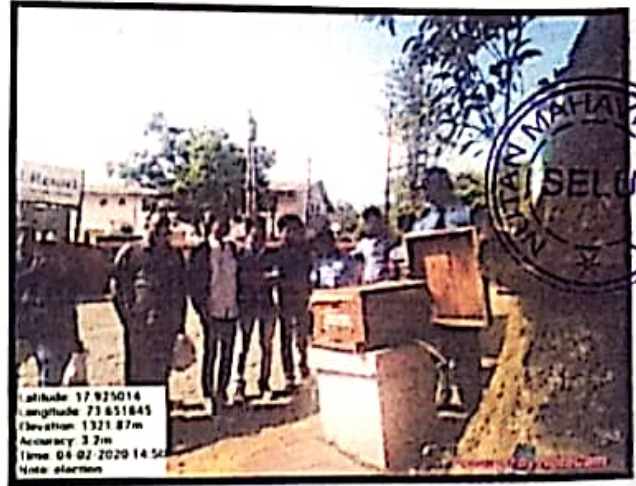
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Visit to Apiculture Research Institute at Mahabaleshwar

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