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## **“Report on the Visit to Wheat Rust Research Station, Mahabaleshwar Dist. Satara”**

**Date:** 04/02/2020

**Place:** Wheat Rust Research Station, Mahabaleshwar

**Students Participants:** 42 B.Sc.,

**Faculty Participants:** 4 Faculty Members

### **Introduction:**

On February 4, 2020, a group consisting of 42 B.Sc. students and 4 faculty members visited the Wheat Rust Research Station located in Mahabaleshwar, Dist. Satara. The purpose of the visit was to provide students with insights into wheat rust disease, its impact on wheat production, and ongoing research efforts to mitigate its effects.

### **Activities:**

#### **• Welcome and Introduction:**


Upon arrival at the Wheat Rust Research Station, the group was welcomed by the station's staff and researchers. An introduction session provided an overview of the station's objectives, research focus, and contributions to wheat rust management.

#### **• Guided Tour of Facilities:**

Students were given a guided tour of the research station's facilities, including laboratories, experimental fields, and greenhouse facilities. They observed different wheat varieties, experimental plots, and research equipment used for studying wheat rust.

#### **• Educational Presentations:**

Educational presentations were delivered by station researchers on topics such as wheat rust epidemiology, pathogen identification, host resistance, and disease management strategies. These presentations aimed to enhance students' understanding of the biology and control of wheat rust.

  
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- **Field Observations:**

Students had the opportunity to observe wheat rust symptoms and disease progression in the field, learning to identify different rust path types and their impact on wheat crops. They also learned about agronomic practices and fungicide applications for disease control.

- **Interactive Sessions:**

Interactive sessions were held where students could ask questions and engage in discussions with station researchers. Topics included research methodologies, data analysis, and the development of resistant wheat varieties through breeding and genetic engineering.

## **Aims and Objectives of the Excursion Tour to Wheat Rust Research Station, Mahabaleshwar**

### **Aims:**

- **First-Hand Experience:** To provide students with a first-hand experience of the research activities and facilities at the Wheat Rust Research Station, Mahabaleshwar, enhancing their understanding of plant pathology and disease management.
- **Supplementation of Theoretical Knowledge:** To supplement the theoretical knowledge gained in classrooms with practical exposure to plant diseases, particularly wheat rust, and the research efforts aimed at understanding and controlling them.

### **Objectives:**

- **Exploration of Research Station:** To organize guided tours of the Wheat Rust Research Station, allowing students to observe the facilities, laboratories, and experimental fields used for studying wheat rust disease.
- **Observation of Wheat Rust Symptoms:** To enable students to observe wheat rust symptoms and disease progression in the field, learning to identify different rust path types and their impact on wheat crops.
- **Educational Presentations:** To facilitate educational presentations by station researchers on topics such as wheat rust epidemiology, pathogen identification, host resistance, and disease management strategies, enhancing students' understanding of plant pathology concepts.
- **Field Observations:** To provide students with opportunities for field observations and data collection related to wheat rust disease, agronomic practices, and disease management techniques employed by researchers at the station.
- **Interactive Sessions:** To organize interactive sessions where students can ask questions and engage in discussions with station researchers, gaining insights into research methodologies, data analysis, and the development of resistant wheat varieties.
- **Integration of Classroom Learning:** To integrate the knowledge and concepts learned in botany classrooms with real-world experiences and observations in the field of plant pathology, reinforcing students' understanding of disease dynamics and management strategies.

  
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Overall, the excursion tour aims to provide students with a comprehensive learning experience that combines theoretical knowledge with practical exposure to plant pathology research and disease management practices. It seeks to enhance students' understanding of wheat rust disease and its implications for agriculture, while also inspiring them to consider careers in plant science and agricultural research.



### Conclusion:

The excursion tour organized by the Department of Botany, Nutan Mahavidyalaya, Selu, to the Wheat Rust Research Station in Mahabaleshwar on February 4, 2020, has effectively fulfilled its aims and objectives of providing students with practical exposure to plant pathology research and disease management strategies. Through guided tours, educational presentations, field observations, and interactive sessions, students gained valuable insights into the complexities of wheat rust disease and the research efforts aimed at understanding and controlling it. They had the opportunity to observe wheat rust symptoms in the field, learn about disease epidemiology, and engage with researchers to discuss various aspects of plant pathology and agronomy. The excursion not only supplemented students' theoretical knowledge gained in classrooms but also inspired them to explore careers in plant science, agricultural research, and crop protection. It provided students with a first-hand experience of the challenges and opportunities in agricultural research, contributing to their academic and professional growth. The Department of Botany extends gratitude to the Wheat Rust Research Station 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 understanding of plant pathology and their future endeavours in the field of agriculture.

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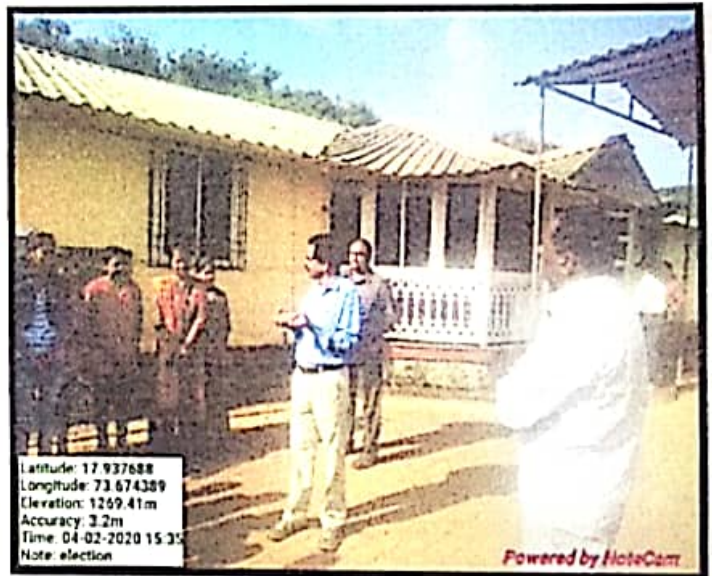
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