

## **Activity Report “Hands on Training to Students by Botany Department”**

**Date:** 15th February 2025

**Time:** 1:00 PM

**Venue:** Nutan Mahavidyalaya, Selu

**Organized by:** Botany Department, Nutan Mahavidyalaya, Selu

### **Introduction:**

The Botany Department of Nutan Mahavidyalaya, Selu, organized a Hands-on Training Session for students on 15th February 2025 at 1:00 PM. The objective of the session was to provide practical exposure and skill enhancement in botanical studies. The event was aimed at fostering scientific curiosity and strengthening students' understanding of various botanical techniques.

### **Aims & Objectives**

#### **Aims:**

The primary aim of the Hands-on Training Session organized by the Botany Department, Nutan Mahavidyalaya, Selu, is to provide students with practical exposure to botanical techniques and enhance their scientific and research-oriented skills. The session is designed to bridge the gap between theoretical knowledge and practical application in plant sciences.

#### **Objectives:**

- To develop practical skills in botanical studies through hands-on experience.
- To familiarize students with advanced techniques in plant identification, propagation, and laboratory analysis.
- To enhance understanding of plant morphology, anatomy, and physiological processes.
- To promote interest in botanical research and encourage participation in scientific activities.
- To train students in herbarium preparation, soil analysis, and medicinal plant identification.



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- To improve laboratory skills required for future academic and research pursuits.
- To encourage experiential learning and application-based understanding of botany.
- To create awareness about the importance of biodiversity and conservation through practical approaches.
- To prepare students for careers in botany, agriculture, forestry, and environmental sciences.
- To foster scientific curiosity and analytical thinking among students.

### **Training Activities:**

The hands-on training session covered the following topics:

- Microscopic Study of Plant Cells and Tissues – Identification and observation of plant structures.
- Herbarium Preparation – Methods for collecting, preserving, and documenting plant specimens.
- Soil Analysis and Plant Growth – Understanding soil composition and its impact on plant growth.
- Plant Propagation Techniques – Grafting, layering, and tissue culture methods.
- Identification of Medicinal Plants – Recognizing the importance and uses of medicinal flora.

### **Resource Persons:**

The training was conducted by experienced faculty members from the Botany Department, who provided insightful demonstrations and guided students in performing hands-on experiments.

### **Participation and Outcomes:**

- More than 50 students actively participated in the session.
- Students gained practical experience in handling botanical specimens and conducting experiments.
- The session bridged the gap between theoretical knowledge and practical application.
- The event received positive feedback from students, expressing interest in similar training programs in the future.



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### Conclusion:


The Hands-on Training Session organized by the Botany Department, Nutan Mahavidyalaya, Selu, was a highly successful initiative that provided students with valuable practical exposure to various botanical techniques. The session effectively bridged the gap between theory and practice, enabling students to gain hands-on experience in plant identification, propagation, and laboratory analysis.

The enthusiastic participation of students and the positive feedback received highlight the significance of such training programs in fostering scientific curiosity and technical skills. This event has not only enhanced students' understanding of botanical sciences but has also motivated them to pursue further research and career opportunities in the field of botany.

Encouraged by the success of this program, the Botany Department aims to organize more such hands-on training sessions in the future, ensuring that students receive experiential learning opportunities that contribute to their academic and professional growth.

### Evidence of Success:



  
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Time: 15-02-2025 13:10  
Note: nms selu



Latitude: 19.462683  
Longitude: 76.438257  
Elevation: 462.59±3 m  
Accuracy: 29.3 m  
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Latitude: 19.463021  
Longitude: 76.438835  
Elevation: 464.19±3 m  
Accuracy: 9.7 m  
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