

# **Report on Botanical Excursion at Rachana Natural and Organic Farm Pvt. Ltd. Devali**

**Date of Excursion:** [29-03-2025]

**Location:** Rachana Natural and Organic Farm

**Participants:** [35]

**Organized by:** [Department of Botany]

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## **Introduction**

The botanical excursion to Rachana Natural and Organic Farm was undertaken to explore the diversity of plant species, sustainable farming practices, and ecological conservation efforts in an organic farming environment. The visit aimed to provide participants with hands-on experience in identifying plant species, understanding organic agriculture, and learning about the significance of biodiversity in sustainable farming.

## **Objectives**

- To study the variety of plant species cultivated at the farm.
- To understand organic farming techniques and their environmental benefits.
- To observe and document the role of biodiversity in agriculture.
- To engage with local farmers and gain insights into sustainable agricultural practices.

## **1. Plant Diversity and Cultivation**

The farm hosts a wide array of crops, including vegetables, fruits, herbs, and medicinal plants.

- **Fruits:** Bananas, watermelon, mangoes, guavas, and dragon fruit.
- **Herbs & Medicinal Plants:** Lemongrass, basil, turmeric, and aloe vera.

## **2. Organic Farming Practices**

The farm employs various organic methods, such as:

- **Composting:** Natural composting techniques to enrich soil fertility.
- **Crop Rotation:** Preventing soil depletion and controlling pests.
- **Natural Pest Control:** Use of neem extracts, companion planting and beneficial insects.
- **Water Conservation Techniques:** Drip irrigation and rainwater harvesting.

## **3. Ecological Conservation Efforts**

The farm promotes biodiversity and environmental conservation through:

- Planting native species to maintain ecological balance.
- Encouraging pollinators like bees and butterflies.
- Implementing agroforestry by integrating trees and crops.

### **Interaction with Farmers**

Students have the opportunity to engage with the farm's owners and workers, who shared valuable insights on the challenges and rewards of organic farming. Discussions covered topics such as:

- Market demand for organic produce.
- The impact of climate change on sustainable farming.
- The role of community participation in ecological farming.

### **Conclusion**

The excursion to Rachana Natural and Organic Farm provided an enriching learning experience about plant diversity, organic agricultural techniques, and the importance of biodiversity conservation. The visit reinforced the value of sustainable farming in ensuring food security and environmental health.



**Tour Coordinator**

Dr. R.H. Mahakhode



**Tour Coordinator**

Dr. A. M. Katgaye



**Head of Department**

Prof. P.S. Tiwari

## Glimses of Botanical Excursion

















