



## Koneru Lakshmaiah Education Foundation

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### REPORT ON VISIT TO EXPERIMENTAL FARM

#### EVENT DETAILS

**EVENT TITLE** : Visit to Experimental Farm

**COURSE** : 24AGRO203 Crop Production Technology-II  
(Rabi crops)

**DATE** : 19-02-2026

**TIME** : 3:00 pm

**VENUE** : Experimental field, Sugarcane Research Station, Vuyyuru.

**No. of students participated** : 68 students (Y24 Batch)

**Course Incharge** : Dr. B. Rama Devi

#### Introduction

An educational field visit was organised for the II year students of KL College of Agriculture, KL University, to the Sugarcane Research Station, Vuyyuru. The visit aimed to provide practical exposure to sugarcane research, cultivation practices, and ongoing scientific advancements in the crop. The station functions under the guidance of Acharya N. G. Ranga Agricultural University and plays a significant role in developing improved sugarcane varieties and production technologies.

The visit helped students understand the importance of research in improving sugarcane productivity and addressing challenges faced by farmers.

## **About the Sugarcane Research Station**

The Sugarcane Research Station at Vuyyuru was established in 1978 on approximately 40 acres of land with the objective of conducting research on sugarcane crop improvement and production technologies.

The station is involved in:

- Development of high yielding and high sugar recovery varieties
- Improvement of sugarcane cultivation practices
- Management of pests and diseases
- Conducting field trials and demonstrations
- Participating in the All India Coordinated Research Project on Sugarcane

The research carried out at the station contributes significantly to the improvement of sugarcane cultivation in Andhra Pradesh and other regions.

## **Objectives of the Visit**

The major objectives of the visit were:

1. To provide students with practical knowledge about sugarcane cultivation and research.
2. To understand breeding and development of improved sugarcane varieties.
3. To observe field experiments and research trials.
4. To learn about pest and disease management in sugarcane.

5. To interact with scientists and gain insights into current research activities.

### **Activities During the Visit**

During the visit, the students were guided by scientists and technical staff of the research station. They explained various aspects of sugarcane research and field management.

### **Field Demonstration**

Students visited experimental plots where different **sugarcane varieties and breeding lines** were being evaluated. Scientists explained the characteristics of improved varieties such as:

- Higher cane yield
- Better sugar recovery
- Resistance to major diseases
- Adaptability to local climatic conditions.

### **Disease and Pest Management**

Students were introduced to common diseases of sugarcane such as **red rot** and methods for their management through resistant varieties and integrated disease management practices.

### **Research and Breeding Work**

Scientists explained the process of **selection, breeding, and evaluation of sugarcane varieties**. Some varieties developed at the station have been recommended for cultivation due to their high productivity and adaptability.

### **Interaction with Scientists**

Students interacted with researchers and gained knowledge about:

- Modern research techniques

- Importance of crop improvement
- Challenges faced in sugarcane cultivation
- Future prospects in sugarcane research.

### **Learning Outcomes**

The visit provided valuable practical knowledge to students. They learned about:

- Sugarcane breeding and varietal development
- Field experimentation methods
- Crop management practices
- Role of research stations in agricultural development
- Importance of scientific research for improving farmer income.

The visit also helped students relate theoretical knowledge from the classroom to real field conditions.

### **Conclusion**

The visit to the Sugarcane Research Station, Vuyyuru was highly informative and beneficial for the students of KL College of Agriculture. It provided them with practical exposure to research activities and modern sugarcane production technologies. Such visits play an important role in enhancing students' understanding of agricultural research and motivating them to contribute to agricultural development in the future.



Sugarcane Research Station, Vuyyuru

