

Report on HydroGraft Event

Club: Brindavanam

Venue: Mechanical Workshop

Date: 5th March 2026

Time: 4:30 PM – 6:00 PM

1. Introduction

Brindavanam Club of NIT Andhra Pradesh organized an event titled “**Hydrograft**” on 5th March 2026 at the **Mechanical Workshop**. The event focused on introducing students to the techniques of **plant grafting and hydroponics**, encouraging awareness about innovative and sustainable agricultural practices.

The event was conducted under the guidance of **Dr. T. Karthikeya Sharma**, Faculty Coordinator of Brindavanam Club, along with **Dr. Suryanshu from the Department of Electronics and Communication Engineering (ECE)**. The session featured **Shri Bramhaji**, a well-known **nursery owner and plant enthusiast** with more than **30 years of experience** in plant cultivation and grafting techniques. His extensive knowledge about various plants and propagation methods provided valuable insights to the students.

More than **60 students** actively participated in the event, making it an engaging and interactive learning experience.

2. Activities Conducted

a) Introduction to Plant Grafting

Shri Bramhaji began the session by explaining the **importance and benefits of plant grafting**. He described how grafting helps in improving plant strength, increasing productivity, and developing disease-resistant varieties. Students were introduced to different types of plants suitable for grafting and learned about the basic principles involved in the process.

b) Demonstration of Grafting

A live **grafting demonstration** was conducted by Shri Bramhaji where he explained the **step-by-step procedure** involved in grafting plants. He demonstrated how to carefully join the scion and rootstock to ensure successful plant growth.

Under his guidance, students were given an opportunity to **perform grafting themselves**, which helped them understand the technique practically and gain hands-on experience.

c) Introduction to Hydroponics

In the next session, Shri Bramhaji explained the concept of **Hydroponics**, a modern method of growing plants without soil by using nutrient-rich water solutions. He highlighted the advantages of hydroponic farming such as **efficient water usage, faster plant growth, and suitability for urban farming**.

d) Hydroponic Setup Preparation

As part of the practical activity, students **prepared a simple hydroponic system using PVC pipes**. With guidance from the resource person, they assembled the setup and learned how plants can be cultivated in a controlled hydroponic environment. This hands-on activity provided students with exposure to innovative agricultural technology.

3. Coordination and Participation

The event was successfully organized with the support and guidance of:

- **Dr. T. Karthikeya Sharma**, Faculty Coordinator, Brindavanam Club
- **Dr. Suryanshu**, Department of ECE

The event coordination was supported by **Club Secretary Mr. Navys**, along with the active involvement of Brindavanam Club members.

More than **60 students** from different departments participated enthusiastically and actively engaged in the demonstrations and practical activities.

4. Conclusion

The **Hydrograft Event** organized by Brindavanam Club was successfully conducted and proved to be a highly informative and interactive session for students. The practical demonstrations of **plant grafting and hydroponic system preparation** helped students gain valuable knowledge and hands-on experience.

The event encouraged students to explore **sustainable agricultural techniques and innovative plant cultivation methods**, thereby promoting environmental awareness and practical learning within the campus community.

Photos:



