



Report on Visit to Kaveri University

Mrs. Ramani (Department of Computer Science), Mrs. Sarada (Department of Mathematics), Ms. Anusha (Department of Computer Science), and Ms. Lakshmi Himaja (Department of Statistics) from Andhra Mahila Sabha Arts & Science College for Women visited Kaveri University on 13th April 2026 to learn about drones and their applications in agriculture, along with visiting various laboratories.

Laboratories and Observations

1. Agricultural Entomology Laboratory

- Study of pest and beneficial insects
- Preservation and identification techniques
- Observation of insect life cycles

Learning: Importance of pest control in crop protection.

2. Plant Pathology Laboratory

- Identification of plant diseases (fungal, bacterial, viral)
- Use of microscopes and culture techniques

Learning: Methods to diagnose and manage plant diseases.

3. Agricultural Microbiology Laboratory

- Study of soil microorganisms and biofertilizers
- Culturing and isolation techniques

4. Soil Testing Laboratory

- Testing soil pH, nutrients, and moisture
- Fertilizer recommendations

Learning: Importance of soil health for better yield.

5. Seed Observation and Study

- Observation of different crop seeds (cereals, pulses, oilseeds)
- Identification of healthy and damaged seeds
- Study of germination

Learning: Role of quality seeds in agriculture.

6. Study of Plant Deficiencies

We also observed different plant samples showing nutrient deficiencies.

Key Observations:

- **Nitrogen deficiency:** Yellowing of older leaves
- **Phosphorus deficiency:** Dark green or purplish leaves
- **Potassium deficiency:** Yellow/brown edges of leaves
- **Iron deficiency:** Yellowing of young leaves with green veins
- Visual identification techniques for diagnosing deficiencies

7. Drone Laboratory

- Demonstration of agricultural drones
- Study of drone parts and working
- Applications in spraying and crop monitoring

Learning: Importance of drone technology in modern farming.

Interaction with Faculty Members

Faculty members explained:

- Practical applications of lab work
- Research activities
- Training opportunities

Future Plan: Drone Assembly Workshop

A **Drone Assembly Workshop** is planned for **June**.

Includes:

- Basics of drones
- Hands-on assembly
- Agricultural applications

Conclusion

The visit to Kaveri University was highly informative. We gained knowledge about laboratory techniques, seed quality, plant deficiencies, and modern technologies like drones.

This experience will be very useful for academic and practical learning, and the upcoming workshop will further enhance our skills.





