



**AKSHAYA INSTITUTE OF TECHNOLOGY**  
Approved by AICTE, New Delhi, Affiliated to VTU, Belgaum,  
Recognized by Govt. of Karnataka Obalapura Post, Lingapura,  
Koratagere Road, Tumakuru - 572 106, Karnataka  
**DEPARTMENT OF AGRICULTURAL ENGINEERING  
AND SMART AGRITECH**



**DETAILED REPORT  
ON  
“DRONE PILOT TRAINING”**

**Organized**

**By**

**Department of Social Welfare, Government of Karnataka, Indira Gandhi  
Centre for Career Development (IGCCD)**

**Date of Visit: 14-04-2025 to 28-04-2025 (15 days)**

**Venue: MVS Arcade, B. Channasandra Main Rd, OMBR Layout,  
Bengaluru, Karnataka**

# **REPORT**

## **ON**

### **“DRONE PILOT TRAINING”**

#### **1. Introduction**

The students of 6<sup>th</sup> Semester Agricultural Engineering and Smart Agri-Tech from Akshaya Institute of Technology, Tumkur, actively participated in the “Drone Pilot” Training Program organized by the Department of Social Welfare, Government of Karnataka, in association with the Indira Gandhi Centre for Career Development (IGCCD). The training was held at MVS Arcade, B. Channasandra Main Road, OMBR Layout, Bengaluru, Karnataka, from 14th April 2025 to 28th April 2025 (15 days duration).

#### **2. Objectives of Training**

The training program aimed to equip students with the essential knowledge and practical skills required for operating and managing agricultural drones effectively. It emphasized the applications of drone technology in precision agriculture, crop monitoring, aerial mapping, spraying operations and data analysis for improved farm management.

#### **3. About the Training**

During the course, participants were introduced to both theoretical and practical aspects of drone technology. The sessions included:

1. Basics of UAV (Unmanned Aerial Vehicle) systems
2. Drone components and their functions
3. Flight operations and safety procedures
4. Aerial imaging and mapping techniques
5. Maintenance and troubleshooting of drones
6. Legal and regulatory frameworks for drone operation in India

Hands-on sessions were provided where students practiced real-time flying, calibration, mission planning and data collection using agricultural drones. The training helped participants develop operational confidence and technical understanding to use drones in agricultural and environmental applications.

#### 4. Details of the Training Program

Sl. No	Title of Training	Drone Pilot Training
1	Organized by	Department of Social Welfare, Government of Karnataka & Indira Gandhi Centre for Career Development (IGCCD)
2	Venue	MVS Arcade, B. Channasandra Main Road, OMBR Layout, Bengaluru, Karnataka
3	Duration	14th April 2025 to 28th April 2025 (15 Days)
4	Participants	6th Semester Students of Agricultural Engineering and Smart Agri-Tech
5	Institute	Akshaya Institute of Technology, Tumkur

#### 5. Conclusion

The Drone Pilot Training program provided a valuable opportunity for students to gain hands-on experience with emerging drone technologies and their applications in modern agriculture. It enhanced their technical skills, operational expertise and understanding of drone-based precision farming practices. This initiative contributed significantly to preparing students for future roles in smart agriculture and technological innovation.

#### 6. Photography (as to be attached)

##### 1. Students and Trainers in drone flying zone



2. Student with Drone Pilot training certificate



3. Student with Drone Pilot training certificate



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