

Title: 2 days Drone Training at Khalsa Model Senior Secondary School at 2nd and 3rd October, 2026

Objective: The objective of the **two-day Drone Training Programme** conducted at **Khalsa Model Senior Secondary School on 2nd and 3rd October 2026** was to provide students with fundamental theoretical knowledge and practical hands-on experience in drone technology. A total of **40 students** participated in the programme.

The training aimed to:

- Introduce students to the **fundamentals, components, and applications of drones/UAVs**.
- Provide knowledge of **drone operation, safety protocols, and basic flight principles**.
- Familiarize students with **drone calibration and pre-flight procedures**.
- Develop practical skills through **hands-on drone flying and flight-control exercises**.
- Create awareness about the **educational, industrial, agricultural, surveillance, and emerging applications of drone technology**.
- Encourage students to explore **future career and innovation opportunities in the rapidly growing drone sector**.

Date: 02/10/2026-03/10/2026

Report:

A two-day **Drone Training Programme** was successfully conducted at **Khalsa Model Senior Secondary School on 2nd and 3rd October 2026**, with the participation of **40 students**. The training programme was conducted by **Mr. Suwendu Mondal, Assistant Professor, Department of Electrical Engineering**, with the objective of providing students with fundamental theoretical knowledge as well as practical hands-on exposure to drone technology. During the programme, students were introduced to the basic concepts of Unmanned Aerial Vehicles (UAVs), different types of drones, major components such as motors, propellers, ESCs, batteries, flight controllers, sensors, and communication systems, along with the basic principles of drone flight and control. The training also focused on drone safety, pre-flight inspection, responsible operation, and the importance of proper calibration for safe and stable flight. A practical session on **drone calibration** was conducted, where students were familiarized with the basic calibration and pre-flight procedures required before operating a drone. The students were subsequently provided with **hands-on flying experience**, including basic take-off, landing, hovering, throttle control, directional movement, maneuvering, and safe landing procedures under proper supervision. Various applications of drone technology in agriculture, surveying and mapping, surveillance, photography and videography, infrastructure inspection, disaster management, environmental monitoring, logistics, and industrial applications were also discussed. The students actively participated throughout the sessions and showed considerable enthusiasm during the practical activities. By the end of the programme, all 40 participating students gained a basic understanding of drone technology and received practical exposure to **drone operation, calibration, safety procedures, and flying techniques**. The programme successfully enhanced the students' awareness of emerging UAV technologies and encouraged them to explore further opportunities in drone-based education, research, innovation, and future career development.



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