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Report

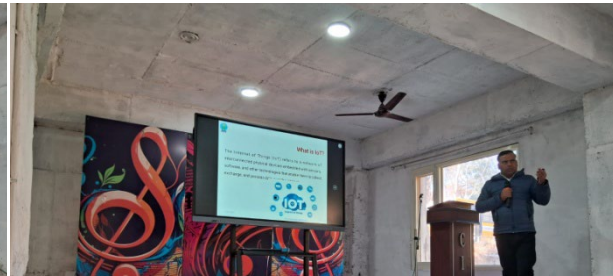
Workshop on
'Drones & IoT Technologies'
at
Cambridge International School, Palampur
30th January 2025

On **30th January 2025**, our team (Dr. Vikas Baghel, Mr. Dharendra Singh and Mr. Praveen Kumar) successfully conducted a workshop on **'Drones & IoT Technologies'** at **Cambridge International School, Palampur**. The workshop aimed to introduce students to emerging technologies in the fields of **Unmanned Aerial Vehicles (UAVs) and the Internet of Things (IoT)**, highlighting their applications, advancements, and career prospects.

Workshop Highlights:

- **Introduction to Drones and IoT:** The session started with a brief overview of drone technology, various types of drones, and their applications in diverse sectors such as agriculture, surveillance, and disaster management.
- **Hands-on Demonstration:** Our team provided a live demonstration of drone operations, covering aspects like **flight control, stability, and maneuvering techniques**. Students also learned about IoT-based sensor integration with drones for real-time data collection.
- **Project-based Learning:** The attendees were introduced to **basic drone programming** and IoT-based automation, enabling them to understand how sensors and actuators can be integrated for smart applications.
- **Interactive Q&A Session:** The students actively participated in discussions, showcasing great enthusiasm and curiosity about drone regulations, safety measures, and career opportunities in UAV and IoT-related fields.

The workshop was well received, and the school management appreciated the initiative for fostering innovation among students.



The workshop at Cambridge International School, Palampur was highly successful in igniting curiosity and interest among students about Drones, IoT, and future technological careers.