

Visit to NESCO Drone Exhibition centre at Goregaon Report

### Visit Summary

- Event Name: Visit to NESCO Drone Exhibition centre at Goregaon
- Class: SE (AI & DS)
- Semester: III
- Date and Time :27/09/2025, 6:30 a.m to 8:30 p.m.
- Venue: NESCO Drone Exhibition centre at Goregaon,Mumbai
- Number of Students attended: 10
- Coordinators: Ms.Sonali N. Jadhav.

Ms Jayshree A. Kandekar

### 1. Introduction

A visit was organized for the Second Year AI & DS students to the **NESCO Drone Exhibition Centre, Goregaon, Mumbai**, on **27/09/2025**. The purpose of the visit was to provide students with hands-on exposure to modern drone technologies, industry trends, and practical applications in various fields. During the visit, students observed live drone demonstrations, interacted with industry experts, and learned about advancements in autonomous systems, AI-driven drone navigation, and real-time data processing.

The visit helped students connect their theoretical knowledge with real-world applications and understand how AI and Data Science play a crucial role in modern drone systems.

### 2. Objectives of the Visit

- To introduce students to the latest innovations and trends in drone technology.
- To provide practical exposure to AI-based autonomous systems used in drones.
- To create awareness about industrial applications of drones.
- To encourage interaction with professionals and experts working in the drone industry.
- To bridge the gap between classroom learning and real-world technological applications.
- To inspire students toward research, innovation, and project development in the field of AI-powered drones.

### About Drone Exhibition

The **NESCO Drone Exhibition** is a premier showcase of cutting-edge drone technologies, bringing together leading companies, innovators, researchers, and technology enthusiasts. The exhibition highlights the latest advancements in **unmanned aerial vehicles (UAVs)**, autonomous flight systems, AI-powered navigation, and drone-based industrial solutions.

### 3. Visit Details & Activities

#### · **Registration & Orientation**

Students completed their registration and attended an introductory session that provided an overview of the exhibition layout, safety instructions, and the latest trends in drone technology.

#### · **Walkthrough of Drone Exhibition Stalls**

Students explored various stalls displaying cutting-edge drones, components, and UAV systems used across industries such as agriculture, defense, surveillance, logistics, and mapping.

#### · **Live Drone Demonstrations**

Students witnessed live drone flying sessions, including autonomous navigation, obstacle detection, precision landing, aerial photography, and payload lifting demonstrations.

#### · **Interaction with Industry Experts**

Representatives from leading drone manufacturing companies and tech startups explained the working mechanisms, sensor integrations, AI algorithms, and real-time data processing used in drones.

#### · **Technical Sessions**

The group attended short technical talks that covered:

- AI and computer vision in drones
- Drone communication systems.
- Flight controllers and sensor fusion.
- Regulatory guidelines and safety norms.

#### · **Hands-on Learning Experience**

Students observed drone assembly components such as motors, propellers, GPS units, batteries, ESCs, cameras, and controllers. Some stalls provided interactive demos on monitoring drone data through dashboards.

#### · **Career & Innovation Guidance**

Experts guided students on career opportunities in the drone industry, emerging research areas, and project ideas related to AI-driven drones, robotics, and automation.

**Glimpses of the Expo**








#### 4. Outcomes of the Visit.

- Understanding of Drone Technology:
- Exposure to Latest Innovations:
- Bridging Theory with Practical Knowledge:
- Awareness of Industry Trends:
- Hands-on Demonstrations:
- Career and Research Inspiration:
- Improved Technical Curiosity and Innovation Skills:
- Interaction with Industry Experts:

#### 5. Conclusion:


The visit to the NESCO Drone Exhibition proved to be highly informative and engaging for the Second Year AI & DS students. It successfully connected academic learning with real-world technological advancements in the field of drones. Students gained valuable insights into modern drone applications, AI-driven innovations, and industry practices. The exposure not only enhanced their technical understanding but also inspired them to explore new ideas, research topics, and career opportunities in emerging domains such as robotics, autonomous systems, and aerial data analytics. Overall, the visit was a meaningful experience that contributed to the students' practical knowledge and professional growth.

Ms. Sonali N. Jadhav 

Ms. Jayshree A. Kandekar

Event Coordinators



  
Dr. S. V. Gumaste  
Head,

Department of AI & DS,  
MET's Institute of Engineering,  
Bhujbal Knowledge City,  
Adgaon, NASHIK - 03.