

	Dr. D. Y. Patil Pratishthan's College of Engineering Salokhenagar, Kolhapur	
	Doc. No: DYP-ACAD-FRM1	Revision No. 00
	Page 1 of 1	Revision Date:
	Department of First Year Engineering	

DR. D. Y. PATIL COLLEGE OF ENGINEERING, SALOKHENAGAR, KOLHAPUR
In Association with Eco Ila Agro-Enviro, Taramitra Drone Academy & Airbots Aerospace Pvt. Ltd.

ACTIVITY COMPLETION REPORT
WORKSHOP & SEMINAR ON DRONE DEMONSTRATION AND DGCA TECHNICAL COMPLIANCE
"Learn It | Fly It | Master It"

1. Activity Executive Summary

Event Title:	Seminar & Workshop on Drone Demonstration and DGCA Technical Compliance
Theme / Tagline:	Learn It Fly It Master It
Date of Execution:	Saturday, 20th June 2026
Venue:	Lecture Hall & College Demonstration Field, Dr. D. Y. Patil College of Engineering, Salokhenagar, Kolhapur
Organizing Bodies:	Eco Ila Agro-Enviro, Taramitra Drone Academy (DGCA Approved), Airbots Aerospace Pvt. Ltd. & Dr. D. Y. Patil College of Engineering
Target Audience:	Engineering & Technical Students, Faculty Members, Research Scholars
Total Participation:	125+ Participants (Students & Faculty Members)
Event Coordinators:	Mr. Divakar D. Nale (College Coordinator), Mr. Pruthviraj Patil (Eco Ila Agro), Ms. Pooja Naik Nimbalkar (Taramitra Drone Academy), Mr. Vishal Kapadiya (Airbots Aerospace)

2. Overview & Objectives

Following formal sanction and approval (dated 09/06/2026) initiated by Eco Ila Agro-Enviro (represented by Mr. Pruthviraj Patil) in coordination with departmental leaders (Ingawale Madam, Mr. Nale Sir, and Director Patil

Sir), a comprehensive technical workshop on modern drone systems and DGCA regulations was successfully conducted at Dr. D. Y. Patil College of Engineering on Saturday, 20th June 2026.

Key Objectives of the Event:

- To provide immersive theoretical and practical knowledge regarding Unmanned Aerial Vehicles (UAVs) and agricultural/industrial drone technologies.
- To familiarize students and faculty with Directorate General of Civil Aviation (DGCA) statutory compliance guidelines, remote pilot certification pathways, and airspace rules.
- To bridge the academia-industry gap by demonstrating live flight operations, payload management, and autonomous flight planning.
- To expose attendees to emerging career options in aerospace engineering, robotics, precision agriculture, and aerial survey technologies.

3. Event Schedule & Execution Details

The activity was structured into two core technical segments to balance classroom theory with field experimentation:

Time / Phase	Session Topic	Key Resource Persons & Activities
Phase 1: Inauguration & Keynote (10:00 AM - 10:45 AM)	Formal Welcome & Dignitary Introductions	Inauguration ceremony, felicitation of industrial experts with mementos, address by Director Patil Sir and HODs.
Phase 2: Expert Lecture (10:45 AM - 12:15 PM)	DGCA Compliance, UAV Architecture & Applications	Technical presentation by Taramitra Drone Academy experts on drone electronics, telemetry, flight dynamics, legal compliance, and pilot certification.
Phase 3: Live Field Demonstration (12:30 PM - 01:45 PM)	Practical Flight Operations & Agricultural Spraying	Outdoor live flight demonstration on the college grounds. Real-time payload operation, GPS tracking, hover stability, and precision maneuvering.
Phase 4: Valedictory & Certificates (01:45 PM - 02:15 PM)	Certificate Distribution & Feedback	Awarding Certificates of Appreciation to event organizers and coordinators (e.g., Mr. Divakar D. Nale), followed by participant Q&A and vote of thanks.

4. Participation & Key Outcomes

The workshop received enthusiastic response from students and staff alike. Over 120 students along with faculty members actively engaged in both sessions.

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Doc. No: DYP-ACAD-FRM1

Revision No. 00

Page 1 of 1

Revision Date:

Department of First Year Engineering

- High Student Engagement: More than 120 attendees gained direct hands-on insight into multi-rotor UAV construction, motor sizing, propeller configurations, and battery power management.
- DGCA Regulatory Awareness: Participants acquired complete clarity regarding Digital Sky platform registration, UIN (Unique Identification Number), green/yellow/red zone restrictions, and licensed remote pilot training standards.
- Industrial Exposure: Live demonstration of an industrial multi-rotor agricultural drone demonstrated spray accuracy, nozzle calibration, and obstacle avoidance sensors.
- Collaborative Synergy: Successful tripartite collaboration between DYP College of Engineering, Eco Ila Agro-Enviro, Taramitra Drone Academy, and Airbots Aerospace.

5. Official Photo Gallery & Event Documentation

Below is the documented visual record of the workshop activities, including official correspondence, indoor expert lectures, memento felicitations, field flight demonstrations, and certificate distribution:



6. GALLERY & EVENT GLIMPSE

Official photographic documentation of the Drone Workshop & Seminar conducted on 20th June 2026.



Event Glimpse: Drone Academy workshop session featuring the expert address, participants, and agricultural drone demonstration equipment.





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Revision No. 00

Page 1 of 1

Revision Date:

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