
AEROPHILE
ACADEMY

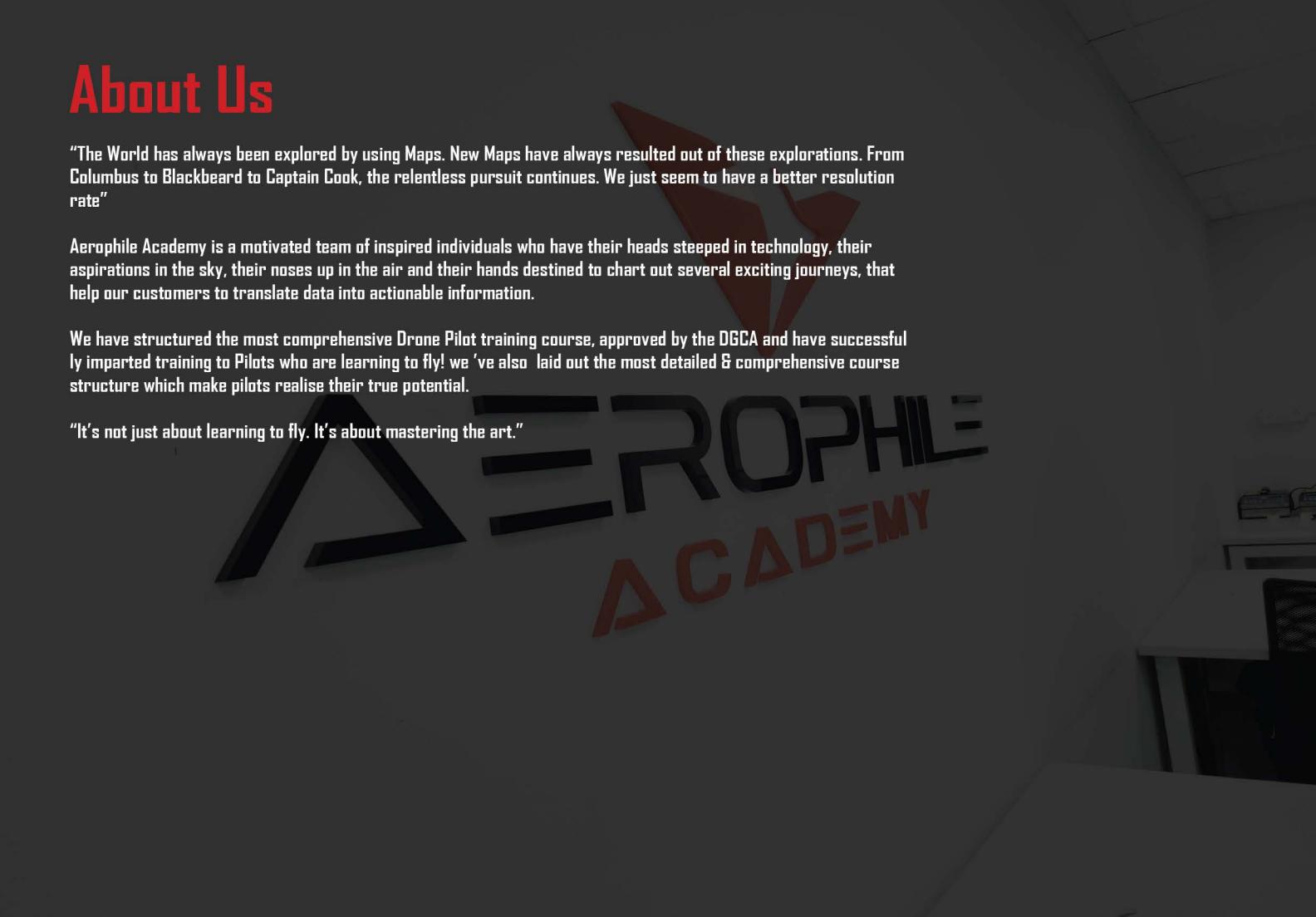
About Us

"The World has always been explored by using Maps. New Maps have always resulted out of these explorations. From Columbus to Blackbeard to Captain Cook, the relentless pursuit continues. We just seem to have a better resolution rate"

Aerophile Academy is a motivated team of inspired individuals who have their heads steeped in technology, their aspirations in the sky, their noses up in the air and their hands destined to chart out several exciting journeys, that help our customers to translate data into actionable information.

We have structured the most comprehensive Drone Pilot training course, approved by the DGCA and have successful ly imparted training to Pilots who are learning to fly! we 've also laid out the most detailed & comprehensive course structure which make pilots realise their true potential.

"It's not just about learning to fly. It's about mastering the art."



Our Team

BN Ganesh
Group Captain Indian Air Force(Retd)

K.S. Narayana Rao
Chief Of Design - HAL(Retd)

Madhu Murthy N V
Vice President - GMR(Retd)

Krishna Shrivatsa
Chief Executive Officer

Aniruddha M Vajpeyam
Chief Technical Officer

Manjula Krishna Rao
Director

DGCA Certified Drone Pilot Training Program

The DGCA (Directorate General of Civil Aviation) offers certified drone pilot training programs.These programs cover aspects like aviation regulations, flight planning, safety protocols, and practical flying skills to ensure pilots understand how to operate drones safely and legally within airspace regulations. The training usually culminates in an exam for certification, allowing individuals to operate drones for commercial or specialized purposes. Would you like details on specific aspects or eligibility criteria for such programs?

Eligibility Criteria

- Education - Class X Graduate
- Age - 18yrs to 65yrs
- Valid Indian Passport Holders Preferred

Course Duration

- 6 Working Days

Course Curriculum

Ground Class Syllabus

- Stakeholders & their laws (Basic)
- Air Law/ The Drone Rules 2021
- Airspace
- Basic principles of flight
- ATC procedures & Radio Telephony (non FRTOL)/ ATC procedures Intermediate
- Fixed-wing Operations and Aerodynamics
- Rotorcraft Operations and Aerodynamics
- Hybrid Operations and Aerodynamics
- Weather and Meteorology
- Meteorology Intermediate
- Crew Resource Management
- Instrument Flying
- Weight and Balance
- Performance
- Drone Equipment Maintenance
- Risk Assessment & Analysis - Safety Management Emergency Procedures
- Payload, Installation and Utilization
- Intro to Drone Data & Analysis

Flying Class Syllabus

- Instrument Flying
- Flight Simulator Training
- Basic Assembly & Maintenance
- Flight Simulator Instrument Flying
- Dynamic Payload Ground Handling
- Practical Flying with Instructor/ Solo Flying

Day - Wise Schedule - Ground School

DAY	SUBJECT	TIME
Day 1	• Registration, Atendance & Orientation	9:00 - 10:00
	• DGCA RPAS Rules & Regulations	10:00 - 11:00
	• Basic Principles of Flight	11:15 - 12:30
	• Rotorcarft Operation &Aerodynamic	12:30 - 14:00
	• Lunch	14:00 - 15:00
	• Fixed Wing Drones & Aerodynamics	15:00 - 16:00
	• Drone Equipment & Maintenance	16:05 - 17:15
Day 2	• Weather & Meterology	9:30 - 10:45
	• ATC Procedures & Radio Telephony	11:30 - 12:45
	• Risk Assement & Analysis - Safety Management	12:45 - 13:45
	• Lunch	13:45 - 14:45
	• Playloads, Installation & Utilization	14:45 - 16:00
	• Intro to Drone Data &Analysis	16:00 - 17:15
Day 3	• Theory Test	9:30 - 10:30
	• Uav Assembly & Maintence	10:30 - 1:45
	• Lunch	1:45 - 2:45
	• Flying Simulation	2:45 - 5:00

Day - Wise Schedule - Flying School

DAY	SUBJECT	TIME
Day 4	• Instrument Flying • Flight Simulator Training	8:00 am - 8:00 pm
Day 5	• Basic Assembly & Maintenance • Flight Simulator Instrument Flying	8:00 am - 8:00 pm
Day 6	• Dynamic Payload Ground Handling • Practical Flying with Instructor Solo Flying	8:00 am - 8:00 pm

Our Clientele

Shell India

Bengaluru City Police

Karnataka State Police

Bharat Electronics Limited

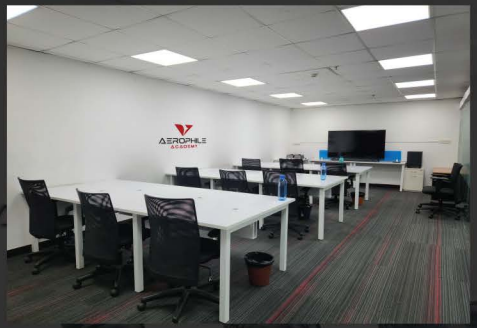
Simoco Wireless Solutions

Ultratech Cement Limited

JSW Cements Limited

Vedanta Limited

Infrastructure



Class Room

Fly Zone

Tethered UAV V/S Untethered UAV

A tethered UAV (Unmanned Aerial Vehicle) or drone is one that is connected to the ground by a physical cable or tether, as opposed to flying freely without any physical attachment. Here are some key points about tethered UAVs: Features: ▪ Tether: Connected by a cable that supplies power, data, or both to the drone from a ground station. ▪ Extended Flight Time: Tethered drones can fly for longer durations compared to battery-operated drones because they receive continuous power through the tether. ▪ Stability: The tether provides stability, reducing drift caused by wind or other environmental factors. ▪ Security and Control: Due to the physical connection, it's easier to maintain control over the dron's position and movements, enhancing security and stability in certain applications. ▪ Payload Support: Some tethered drones can carry heavier payloads due to the continuous power supply, enabling more sophisticated equipment for various tasks. Applications: ▪ Surveillance and Security: Tethered drones are used for persistent aerial surveillance in security operations, providing continuous monitoring of areas of interest. ▪ Communications and Connectivity: They can serve as communication relays, especially in emergency situations or remote areas, where they establish temporary networks. ▪ Event Monitoring: Tethered drones are utilized for monitoring events, gatherings, or large crowds, providing constant aerial coverage. Limitations: ▪ Restricted Mobility: The tether restricts the dron's mobility and range, confining it to a specific area around the ground station. ▪ Operational Constraints: Maneuverability might be limited due to the physical connection, making complex flight paths challenging. ▪ Weather Sensitivity: Tethered drones can be affected by weather conditions that might impact the cable or compromise flight stability. Tethered UAVs offer unique advantages in scenarios requiring prolonged flight times, consistent power supply, and enhanced stability but might have limitations regarding mobility and flexibility compared to untethered counterparts.

Untethered UAVs (Unmanned Aerial Vehicles) are drones that operate without a physical connection to the ground. Her's a breakdown of their key characteristics: Features: ▪ Freedom of Movement: Untethered drones can fly freely without being physically bound to a ground station or power source. ▪ Mobility and Range: They offer greater mobility and a wider operational range compared to tethered drones. ▪ Versatility: Untethered UAVs come in various sizes and types, catering to diverse applications and mission requirements. ▪ Battery-Powered: Most untethered drones are powered by batteries, providing a finite flight time based on battery capacity. Applications: ▪ Photography and Videography: Popular for capturing aerial images and videos for film, photography, real estate, and advertising purposes. ▪ Mapping and Surveying: Used in industries like agriculture, construction, and land surveying for mapping terrain and collecting data. ▪ Delivery and Logistics: Some companies explore drone delivery services using untethered UAVs for transporting small goods. ▪ Search and Rescue: Utilized in emergency response scenarios to locate missing persons or assess disaster-stricken areas. Limitations: ▪ Limited Flight Time: Compared to tethered drones with continuous power supply, untethered UAVs have limited flight durations based on battery life. ▪ Weather Sensitivity: They can be more affected by weather conditions like wind, rain, or extreme temperatures due to their reliance on battery power. ▪ Regulatory Restrictions: Operate within regulatory guidelines set by aviation authorities, including restrictions on altitude, airspace, and flight locations. Untethered UAVs offer flexibility, versatility, and mobility, making them suitable for a wide array of applications. However, their flight time limitations and susceptibility to weather conditions are important considerations for their operational use.

Category of Training

Cat 1 (BASIC)

1. UAS Classification upto Small (MTOW <25kg)
2. Rating [Sub-Categorization] of the RPC will be as per the Categorization of UAS
3. Intending to operate in only in Green Zone max. upto 400 ft vertical distance [AGL] and in VMC [VLOS] only.
4. Class 3 Medical fitness required [May be trimmed down to Medical Certificate from any registered medical practitioner]
5. English language proficiency/ RT Licence not required [Remote Pilot is expected to operate in delicensed frequency bandwidth].
6. No particular model to be endorsed on the RPC
7. Category wil be ROTORCRAFT
8. RPAS type will be Untethered

Facility

Accomodation

- Hygienic Breakfast & Lunch will be provided on all days of training & is included in the fee structure
- Cost of Training & Certification is included in the fee structure

BEL Batch

Aerophile Academy had the privilege of training professionals from Bharath Electronics Limited

Testimonials

Yuvaraj

I joined Aerophile Academy without even small knowledge of Drone. But when I completed the course I realize the importance of Drone and its major role in industry.
Not only the Drone field also they given knowledge about the Aircraft. They have well trained staff Mr.Madhu and Mr.Karan Singh who have excellent knowledge in domain. They taught me in very understandable manner and very patience towards my silly doubts as well :)Especially Mr.Madhu is always with smiley face and handled the training and sessions with comfortable manner. Follow up on class is too good and they supported me well during my medical leaves, also arranged and taken backup classes.I really refer my friends here and I will take up next level course in future. Kudos to Mr. Krishna and Mr, Anirudh who is founder of Aerophile Academy.Thanks to entire team and keep up good work.

Aman Malekar

One of the best Remote Pilot Training Organization I've seen till date. Very humble and understanding trainers that focus on imparting the best training and getting you ready for real world scenarios. I owe my gratitude to Krishna, Anirudh, Madhu, Ricky, Karan and everyone involved throughout the entire process for their highly professional and skilled work. I'm sure this organisation is going to reach great heights, Godspeed!

Kirti Shankar Sharma

It was wonderful trained by Krishna and team. I think there are handful of training center who offer night flying and Aerophile academy is one of them.

Happy Faces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APPLICATIONS OF DRONES
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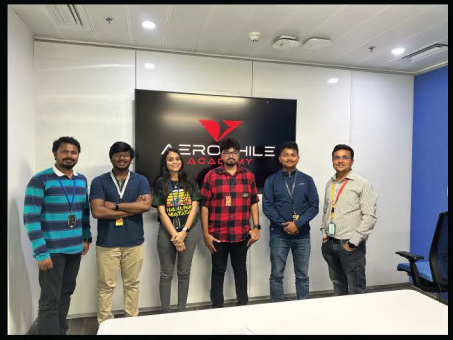
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Location of Training

Ground School Location

Flying School Location

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