



IIT KHARAGPUR AEROROTORS

DRONE ACADEMY

BY AEROROTORS AIRCRAFTS RESEARCH & DEVELOPMENT (P)LIMITED

A DEEP-TECH AEROSPACE STARTUP INCUBATED AT STEP IIT KHARAGPUR

IN UAV RESEARCH & DEVELOPMENT FOR MORE THAN A DECADE

Website: Aerorotorsindia.com



About Us

Aerorotors Drone Academy, incubated at IIT Kharagpur, is the training and skill development arm of Aerorotors Aircrafts Research & Development Pvt. Ltd., a deep-tech aerospace company dedicated to advancing indigenous UAV technologies. With over a decade of expertise in designing and manufacturing multi-rotor and fixed-wing drone systems for civil and defence applications, Aerorotors brings real-world innovation directly into the classroom.

Our academy is committed to developing highly skilled, industry-ready drone professionals through training programs, hands-on flight experience, and exposure to cutting-edge UAV technologies. From pilot certification to specialized mission training, we equip students with the technical knowledge and operational skills required in rapidly evolving sectors such as defence, surveillance, logistics, and disaster management.

Backed by strong research foundations and recognized contributions to India's aerospace ecosystem, including participation in national defence platforms, Aerorotors Drone Academy stands at the forefront of drone education empowering the next generation to lead in an Atmanirbhar Bharat.



Our Mission

At Aerorotors Drone Academy, our mission is to develop highly skilled, responsible, and industry-ready drone professionals through world-class training, practical exposure, and innovation-driven learning. We are committed to delivering UAV Training programs that combine technical excellence with real-world UAV applications across civil, industrial, and defence sectors.

Through continuous research, advanced infrastructure, and hands-on experience, we aim to bridge the gap between academia and industry while fostering a culture of safety, precision, and technological leadership. Our goal is to contribute to India's vision of Atmanirbhar Bharat by empowering the next generation with indigenous drone expertise and capabilities.



Chief of Defence Staff



Union Minister of Education & Defence Minister of State



Education Minister
Shri.Dharmendra Pradhan and
Defence Minister of State
Shri.Sanjay Seth with our
Chairman



Chief of Defence Staff
General Anil Chauhan with our
Chairman



Department of Science and Technology, West
Bengal with Additional Chief Secretary, Additional
Secretary, Minister Incharge and Chief Scientist



Army Chief General
Upendra Dwivedi and ADB
Chief Dr.C S Mann with our
chairman



IIT KHARAGPUR AERONAUTICS DRONE ACADEMY

Our Courses

Basic Course on UAV Technology



Basic Course on UAV Technology

Explore the World of Drones

- UAV Components & Systems
- Principles of Flight
- Drone Sensors & GPS
- Introduction to Drone Software

Basic Course on UAV Technology

The Basic Course on UAV Technology is an introductory program designed for students, enthusiasts, and aspiring professionals who want to build a strong foundation in the world of unmanned aerial vehicles. This course provides a comprehensive understanding of drone technology, covering both theoretical concepts and practical insights.

Participants are introduced to the fundamentals of UAV systems, including airframes, propulsion systems, flight controllers, communication systems, and sensors. The course also explains the basic principles of flight, navigation, and stability, helping learners understand how drones operate in real-world conditions.

In addition, trainees gain exposure to essential topics such as drone assembly basics, software interfaces, GPS integration, and safety protocols. Interactive sessions and demonstrations ensure that learners not only understand the concepts but also develop a practical perspective on UAV operations.

This program serves as an ideal starting point for those looking to pursue advanced drone training, research, or careers in the UAV industry.



Career

Global Career Opportunities in the UAV Industry

The Unmanned Aerial Vehicle (UAV) industry has rapidly evolved into a high-growth global sector, creating exciting career opportunities across technology, operations, and services. With increasing adoption of drones in industries such as agriculture, infrastructure, logistics, media, defence, and disaster management, the demand for skilled UAV professionals is rising worldwide.

Career options in this field extend far beyond drone piloting. UAV pilots are doing aerial photography, surveying, inspection, and surveillance operations. At the same time, engineers and developers are driving innovation in drone design, artificial intelligence, and autonomous systems. Data analysts and GIS specialists play a critical role in converting aerial data into valuable insights, while maintenance technicians and fleet managers ensure smooth and efficient drone operations.

Industries across the globe are leveraging drone technology for faster, safer, and more cost-effective solutions. From monitoring crops and inspecting infrastructure to enabling last-mile delivery and emergency response, UAVs are transforming traditional workflows and creating new job roles.

Looking ahead, the future of the UAV industry is centered around automation, smart mobility, and advanced airspace management. Emerging roles such as drone swarm specialists, urban air mobility experts, and autonomous system supervisors are expected to redefine the workforce.

With opportunities in both private and government sectors, as well as strong potential for entrepreneurship, the UAV industry offers a dynamic and future-ready career path. For aspiring professionals, gaining the right training and certification today can open doors to a global career in one of the world's most innovative and rapidly expanding industries.



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Recognised Innovator of Department of Scientific & Industrial Research, Govt. of India
More than a decade of Experience in Research & Development of UAVs



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DR.KALAM STARTUP NATIONAL AWARD



Our Founder & CMD Conferred with the Prestigious Dr. Kalam Startup National Award

New Delhi – Our Founder & CMD has been honoured with the esteemed Dr. Kalam Startup National Award, instituted in memory of the beloved former President of India, Dr. APJ Abdul Kalam. The award recognizes exceptional contributions in the field of innovation, entrepreneurship, and nation-building, reflecting the visionary ideals of Dr. Kalam.

The award ceremony, held in New Delhi, witnessed the presence of eminent dignitaries. The honour was presented by Shri George Kurian, Hon'ble Minister of State, Government of India, along with Shri Dushyant Gautam, Hon'ble Former Member of Parliament, Rajya Sabha, and Shri Jamal Siddiqui, Former Minister of the Government of Maharashtra.

This recognition is a proud milestone for our organization, reaffirming the pioneering spirit and leadership of our Founder in advancing deep-tech innovations that strengthen India's technological capabilities.

Drones represent the new frontier of technology-driven self-reliance. As India advances towards Atmanirbhar Bharat, drones stand as a symbol of indigenous innovation, efficiency, and empowerment. From agriculture to disaster management, from defense to logistics, drones are transforming how India addresses its challenges and opportunities.

Our vision is to build a self-reliant drone ecosystem, where design, development, and deployment are driven by Indian innovation, talent, and entrepreneurship. By reducing dependence on imports and creating globally competitive drone technologies, we aim to position India as a world leader in unmanned aerial systems, contributing to national security, economic growth, and social development.



At Aerorotors, our vision for Vikshit Bharat is rooted in the belief that deep-tech innovation will be the cornerstone of India's transformation into a developed nation by 2047. We are committed to pioneering indigenous drone technologies that strengthen India's self-reliance, reduce dependency on imports, and establish the country as a global hub for aerospace innovation. By harnessing the power of drones for defense, disaster management, agriculture, logistics, and smart infrastructure, we aim to create solutions that empower communities, enhance efficiency, and safeguard the nation's future.

Aligned with the vision of Atmanirbhar Bharat, Aerorotors aspires to contribute meaningfully to

AWARDS & RECOGNITION



AEROROTORS AWARDED GREEN TECHNOLOGY AWARD FROM HONOURABLE MINISTER OF SCIENCE & TECHNOLOGY & ADDITIONAL CHIEF SECRETARY OF DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVERNMENT OF WEST BENGAL



IFLA AWARD FROM INFOCOM ABP



ENTREPRENEURSHIP AWARD PRESIDENCY UNIVERSITY KOLKATA



MEMBER OF ACADEMIA TO INDUSTRY OF UNIVERSITY OF CALCUTTA



JAWAHARLAL NEHRU UNIVERSITY, PUBLICATION OF RESEARCH JOURNAL JBAER



Press & Media



OUR FOUNDER CHAIRMAN & MANAGING DIRECTOR Mr. Bebeto Ally LIVE ON DOORDARSHAN BANGLA FOR A DISCUSSION ON VARIOUS TOPICS ON STARTUPS AND PROMOTING SCHEMES OF THE GOVERNMENT OF INDIA LIKE THE NAMO DRONE DIDI SCHEME

THE TELEGRAPH KOLKATA 12th April 2025



OUR FOUNDER & CMD DELIVERING HIS SPEECH AT TECINO INDIA UNIVERSITY



**PROMOTING OUR VISION
ALIGNED WITH ATMANIRBHAR BHARAT AND VIKSHIT BHART
ON DOORDARSHAN BANGLA**





Our Facility



Class Room



Research and Manufacturing Facility



UAV Lab



Manufacturing Facility



IIT KHARAGPUR AERONAUTICS DRONE ACADEMY COURSE FEE BREAKUP

Course fee with Accommodation:
34,140/-

Course fee without Accommodation
30,000/-

Note : Accommodation will be provided without fooding expenses



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