

HANDS-ON DRONE PILOTING FUNDAMENTALS

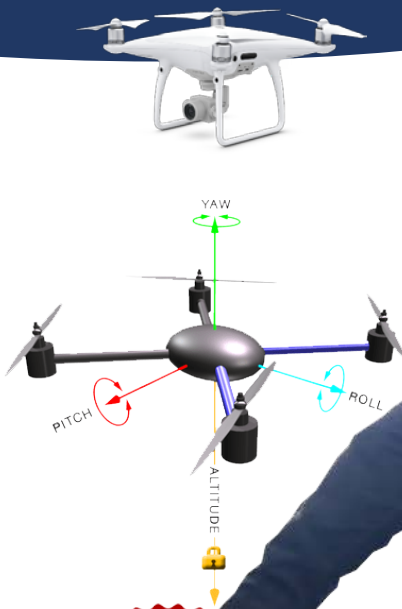
(2 Days)



Training Prog. No. 10001372737

Learning Outcome:

- >> Introduction to UAV, Safety and Legal Considerations, Flight Planning and Maintenance & Storage
- >> Practical Drone Flight Simulation
- >> Practical Training of Drone Operation in the Field
- >> Attendance Certificate



Government
Agency, GLCs &
Private



GIVING SKILLS AND COMPETENCE IN BASIC DRONE OPERATION

MyCoID: 202001011283

For more information please feel to contact us at admin@archidrone.my or
WhatsApp :

TRAINING PROVIDER BACKGROUND



We provide consultancy services for drone data services/Drone as a Service (DaaS), architectural design, 3D modeling, animation, and related Building Information Modeling (BIM) work.

To meet the demands of skilled drone pilots in the future by Industry 4.0, we offer a comprehensive drone course and practical training based on a National Occupational Skill Standard (NOSS) syllabus.

Our goal is to produce professional drone pilots who are knowledgeable about laws, regulations, technical aspects, and maintenance.

We are appointed as a certified centre utilizing the Previous Experience and Achievement (PPT) approach to conduct practical tests for the Malaysia Skills Certificate (SKM) among private and government entities in the field of drone flying. (SKM Level 2 – Drone Piloting & SKM Level 3 – Drone Commanding)

Additionally, we offer courses related to UAV applications in industries, technology, AI, and IoT.

Archidrone is also appointed as a registered Training Provider (TP) by HRDC, MBOT, and CIDB to conduct courses on UAS.

www.archidrone.my



COURSE OVERVIEW

This comprehensive UAV course covers the essentials of UAV operations, including their history, types, applications, safety protocols, legal regulations, flight planning, maintenance, simulator practice, and real-world flight training, preparing participants for professional use in various industries.

TRAINING METHODOLOGY:

Face-to-face and hands-on (Theory & Practical)

COURSE OUTLINE:

Module 1: Introduction of UAV

- History and evolution of UAVs.
- Type of Classes of UAVs.
- Application of UAVs in various industries.

Module 2: Safety & Legal Consideration

- Understanding safety protocol
- Airspace laws & regulation in Malaysia
- Best practice and the limitations

Module 3: Flight Planning & Risk Management

- Pre Flight Preparation
- Flight Mission Operation
- Post Flight Operation

Module 4: Drone Maintenance & Storage

- Regular maintenance routine
- Troubleshooting and update firmware
- Proper storage technique

Module 5: UAV Flight Simulator

- Basic flight maneuvers
- Flight test mission

Module 6: UAV Real Flight in the Field

- Transitioning from simulation to real-world flight
- Conducting supervised flight missions
- Post flight analysis and feedback



TRAINING SCHEDULE

HANDS-ON DRONE FUNDAMENTALS						
TIME	8.30am – 10.30am	10.30-11.00	11.00am-13.00pm	13.00-14.00	14.00pm-15.30pm	15.30-15.45 15.45pm-17.15pm
HOUR	2.0	0.5	2.0	1.0	1.5	1.5
DAY 1	THEORY INDOOR	TEA BREAK	THEORY INDOOR	LUNCH	THEORY INDOOR	PRACTICAL INDOOR
	<ul style="list-style-type: none"> INTRODUCTION OF UAV SAFETY & LEGAL CONSIDERATION Q&A 		<ul style="list-style-type: none"> FLIGHT PLANNING AND RISK MANAGEMENT DRONE MAINTENANCE & STORAGE Q&A 		<ul style="list-style-type: none"> DRONE SIMULATOR Manual Flight Training & Flight Assessment 	
DAY 2	PRACTICAL FLIGHT OUTDOOR	TEA BREAK	PRACTICAL FLIGHT OUTDOOR	LUNCH	PRACTICAL FLIGHT OUTDOOR	PRACTICAL INDOOR
	<ul style="list-style-type: none"> UAV PRACTICAL BRIEFING (30 MINUTES) DRONE MANUAL FLIGHT TRAINING 		<ul style="list-style-type: none"> DRONE MANUAL FLIGHT TRAINING & ASSESSMENT 2 		<ul style="list-style-type: none"> DRONE SIMULATOR Manual Flight Training & Flight Assessment 	

TRAINER PROFILE

7 MUHAMMAD RUFİ A.LATİFF
Director ADSB / Drone Instructor

- Bachelor (Hons) Architecture (UTM)
- Vocational Training Officer VTO Level 3
- SKM Drone Piloting Level 2
- TTT Certificate Trainers
- RCOC-B

Experience In UAV: 10+ Years &
 Architecture: 20 Years

Team Development VRS System
 UAV Construction Progress & Asset
 Inspection (Survey, Mapping & BIM)
 UAV in Cinematography & Photography



MUHAMMAD RUFİ A.LATİFF graduated Bach Arch (Hon) from UTM 2002. As the company's owner, he has been in charge of managing ARCHIDRONE since 2017 (Enterprise Company), and in May 2020, he established ARCHIDRONE SDN BHD. He is in responsibility of the company's development and growth, especially the use of drones in the area-building industry.

He is without no a doubt a creative thinker, a deadline-driven individual, and a detail-oriented architect with more than 20 years of experience in architectural design, consulting, and construction for large-scale projects in Malaysia and Ireland. He works closely with project owners and team members on the ground to solve related problems, particularly in terms of technical solutions utilising drone technology. Due to the widespread use of drones in Malaysia

Since drone technology became available in Malaysia in 2014, he has focused on using it for work that includes preliminary work beginning with the design process, construction phase, and building maintenance. In addition, a lot of aerial photography and videography projects are donated to government and private organizations for use in marketing and business.

With his experience, he was selected by the Department of Skills Development in 2018 to participate on an assessment panel for the development of a drone teaching syllabus in Malaysia in order to meet the National Occupation Skills Standard NOSS and the building of an official Malaysia Skills Certificate in the field of drones. In line with the Department Skills Development (JPK), he has a Vocational Training Operation (VTO) qualification and HRDF Exempted Train the Trainer (TTT) status to obtain qualification as an instructor especially in the field of Drones.

Finally, it is established that with knowledge of operating and commanding drones in the construction industry as well as working as an architect, the combination of these 2 experiences its expected to benefit the workforce for the nation, especially in the IR4.0 industrial area.

TRAINER PROFILE

MOHD HAIRUL FADLI BIN HASHIM

Drone Instructor

- Bachelor in Engineering (UTM)
- Vocational Training Officer VTO Level 3
- SKM Drone Mission Commanding Level 3
- SKM Drone Piloting Level 2
- TTT Certificate Trainers
- **Unity Certified User: programmer**

Experience In UAV: 10+ Years
 Team Development VRS System
 Expert in UAV Fixed Wing



MOHD HAIRUL FADLI BIN HASHIM holds a Bachelor's degree in electrical engineering from Universiti Teknologi Malaysia 2014, demonstrating his dedication to knowledge and technical proficiency.

His expertise includes SKM Drone Level 2 and 3 certifications, Vocational Training Operation (VTO) from Jabatan Pembangunan Kemahiran Malaysia (JPK), and HRDF Exempted Train the Trainer (TTT) status, showcasing his commitment to training and knowledge sharing. He is also an Exco Member (R&D) of Malaysia UAV Drone Activist Society (MUDAS) for the session 2022/2023, highlighting his active involvement in the drone community.

Hairul's project experience encompasses VR/AR app development in farming, construction, and surveying, emphasizing his ability to apply cutting-edge technology to practical solutions. He's been involved in AR app development for cultural heritage tourism, attended the VR/AR train the trainer program, and participated in the ASIA XRSKILLS™ SUMMIT to stay at the forefront of immersive technologies.

His skills extend to immersive 360-degree photo and video production for ground and aerial scenarios, enabling him to contribute to 360 virtual reporting for construction progress and safety audits. Proficient in software tools like Adobe Premier Pro, After Effects, Photoshop, and more, He excels in multimedia and data management. His familiarity with Unity3D, Blender, and SketchUp further enhances his capabilities.

Beyond technical prowess, he possesses strong leadership and teamwork skills, excels under pressure, and is a dedicated problem solver. His ability to manage tasks efficiently and unwavering commitment to safety make him an asset in responsible drone operations. His passion for outdoor activities reflects his energetic and adventurous spirit.

In summary, he is a well-rounded professional with a robust educational background, extensive skills in drone operations and software, a strong commitment to safety, and a passion for staying at the forefront of technology. His project experience and personal attributes make him a valuable asset in the field of drone technology and beyond.

TARGET GROUP BY DESIGNATION

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|------------------------------|--|
| 1. Construction Managers | 11. Infrastructure Planners |
| 2. Building Inspectors | 12. Risk Analysts |
| 3. Asset Managers | 13. Government Officials |
| 4. Surveyors | 14. GIS Specialist |
| 5. Architects and Engineers | 15. Drone Operators |
| 6. Environmental Consultants | 16. Agricultural Professional |
| 7. Safety Inspectors | 17. Remote Sensing Analysis |
| 8. Solar Inspector/ Managers | 18. Academics & Students |
| 9. Real Estate Professionals | 19. Forestry and Forestry Management |
| 10. Insurance Adjusters | 20. Mining and Quarrying Professionals |

TARGET INDUSTRY

- | | |
|--------------------------------------|------------------------------------|
| 1. Construction and Engineering | 8. Government and Public Sector |
| 2. Real Estate | 9. Safety and Compliance |
| 3. Infrastructure Development | 10. Architectural and Design Firms |
| 4. Facility Management | 11. Mining and Quarrying |
| 5. Environmental Consulting | 12. Agriculture |
| 6. Surveying and Geospatial Services | 13. Utility and Energy |
| 7. Insurance and Risk Management | 14. Telecommunication |



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