



Capability. With clear purpose.

Remote pilot training, drone repair and servicing,
and aerial mapping & GIS.



Illustrative imagery

Disciplined preparation. Practical capability. Useful handover.

DGCA-approved RPTO | Authorization 34/2025

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Grounded in India. Built for the real world.

Precision Airborne connects people, aircraft, and site data through three complementary capabilities.



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What we do

We help learners build responsible operating capability, help aircraft owners return equipment to a known condition, and help organisations turn aerial capture into decision-ready information.

Understand the requirement, define the scope, prepare carefully, execute with discipline, and hand over clearly.

Our mission

Build practical aviation capability through preparation, professional conduct, and useful outcomes.

Our vision

Advance responsible drone adoption through confident people, serviceable aircraft, and fit-for-purpose geospatial information.

Safety is planned. Learning is practical. Aircraft care is documented. Survey outputs begin with the decision they must support.



Credentials, clearly stated.

Regulatory, incubation, corporate, and enterprise identities from supplied company records.



DGCA-approved RPTO

34/2025

Rotorcraft / RPAS / Small

VLOS (Day/Night)

Valid 1 July 2025 to 30 July 2035

IIT Bhubaneswar REP

Incubated and supported; entrepreneurship and innovation ecosystem

Startup India

DIPP153580

Startup Odisha

OSP/SP/01832

Corporate identity

U74909OD2023PTC043767

Udyam identity

UDYAM-OD-19-0111500 | Registered micro enterprise

Scope and certificate details remain subject to certificate conditions, permissions, the applicable manual, and current requirements.



One connected drone ecosystem.

Start with the outcome you need: a capable operator, a serviceable aircraft, or useful site information.



Train

Build operating judgement

RPC programme, workshops, simulation, technician learning, instructor development, hobby flying, and GIS training.



Maintain

Return aircraft to a known condition

Intake, inspection, agreed scope, repair or maintenance, checks, and documented handover.



Map

Turn capture into decision support

Mission scoping, safe aerial capture, processing, GIS-ready information, and defined deliverables.



Seven pathways. A clear place to start.

Each pathway answers a different learning need. Only the Remote Pilot Certificate Programme is represented within regulated RPTO scope.



Remote Pilot Programme

REGULATED RPTO

A structured route through aviation fundamentals, aircraft systems, simulation, supervised flight practice, safety, and competency assessment within Precision Airborne's approved training scope.



Drone Workshops & Bootcamps

NON-REGULATED

Modular, institution-focused learning experiences that can combine drone foundations, aeromodelling, simulator practice, DIY assembly, calibration, and guided flight activity.



Drone Simulator Operations

NON-REGULATED

A structured simulator pathway for building control familiarity, spatial orientation, repeatable manoeuvres, mission-planning discipline, and calm responses to abnormal situations.



Drone Technician Training

NON-REGULATED

A practical learning pathway for understanding drone subsystems, assembly, calibration, fault diagnosis, preventive maintenance, battery safety, and technical handover.



Choose by the outcome you want to create.



Instructor Development & Supervised Flight Logging

NON-REGULATED

An advanced professional pathway for eligible remote pilots who want to strengthen briefing, demonstration, observation, feedback, supervised practice, and flight-record discipline.



Drone Hobby Flying

NON-REGULATED

An approachable introduction to drone components, responsible use, simulator rehearsal, basic manoeuvres, supervised flying, equipment care, and sensible next steps.



Aerial Mapping & GIS Training

NON-REGULATED

A professional-skills pathway for connecting drone capture with georeferenced imagery, terrain information, measurements, map layers, quality review, and organised handoff.

What the written brief settles

Learner fit	Eligibility, prerequisites, age or guardian considerations, and documents.
Programme design	Modules, duration, venue, group size, and practical access.
Commercial terms	Dates, seats, fees, taxes, inclusions, travel, cancellation, and refunds.
Evidence	Assessment, attendance, completion wording, and any regulated certificate path.



Learn the operation. Build your judgement.



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1 Aviation foundations

Flight principles, weather awareness, airspace context, Drone Rules, and remote-pilot responsibilities.

2 Aircraft systems

Airframes, propulsion, batteries, flight control, navigation, communication, and ground-control systems.

3 Mission preparation

Site assessment, permissions, checklists, crew communication, equipment care, and operational records.

4 Simulation and supervised flight

Control familiarisation, manoeuvres, return-to-home, abnormal situations, and instructor-led practice.

5 Competency assessment

Knowledge, flying ability, safety awareness, checklist discipline, and professional judgement.

Approved scope

Rotorcraft
RPAS / Small
VLOS (Day/Night)

AUTHORIZATION

34/2025

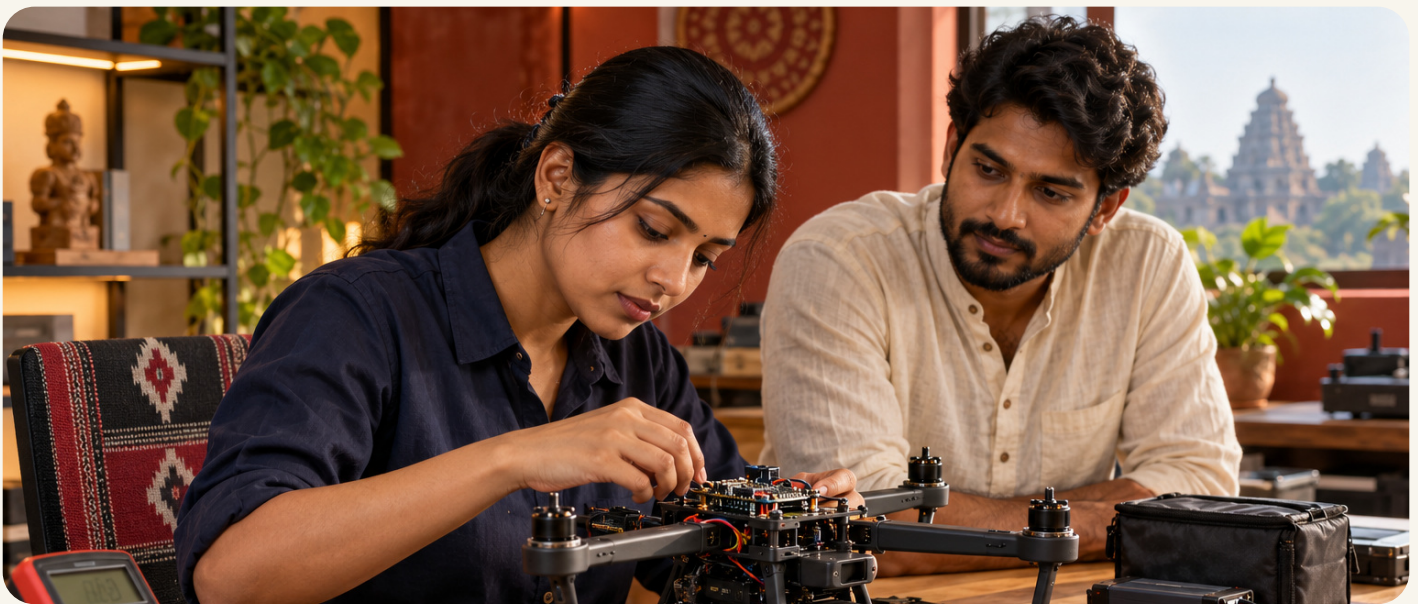
1 July 2025
to 30 July 2025

Confirm eligibility, aircraft category, current programme, dates, fees, inclusions, and documents in writing. Applicable requirements and permissions govern training. No employment outcome is promised.



Aircraft care, made traceable.

A structured route from symptom intake to an agreed scope, careful technical work, checks, and a clear handover.



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01 Intake

Aircraft, symptoms, history, incident context, accessories, and expected use.

02 Inspect

Visual, mechanical, electrical, configuration, battery, and functional review as applicable.

03 Scope

Findings, reparability, parts, risks, estimate, and approval boundary.

04 Service

Agreed repair, replacement, calibration, configuration, or preventive work.

05 Check

Ground and functional checks within the agreed safe test scope.

06 Hand over

Known condition, completed work, limitations, care notes, and next steps.

Inspect before promise: reparability, parts, turnaround, test scope, and cost depend on aircraft compatibility and inspection. No flight release or fixed outcome is implied before assessment.



Begin with the decision. Then design the mission.

Drone surveying and aerial capture are useful when the site question, output, coordinate context, access, timing, and handover are clear.



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01 Question

What decision, asset, area, or change must the work help explain?

02 Scope

Site extent, permissions, constraints, coordinate needs, and deliverable.

03 Plan

Aircraft and sensor fit, capture pattern, ground context, weather, and safety.

04 Capture

Disciplined field execution, records, coverage review, and issue logging.

05 Process

Organise, process, review, and prepare information for the agreed use.

06 Hand over

Defined files, maps, notes, limitations, metadata, and interpretation guidance.

Outputs are defined for the agreed project use. They are not represented as cadastral, boundary-certified, statutory, or legal survey products unless separately performed and certified by an appropriately authorised professional.



Different briefs. The same discipline.

The same operating method applies to a learner, an aircraft issue, or a site decision.

- | | | |
|----|-------------------|--|
| 01 | Understand | Goal, context, people, aircraft or site, timing, constraints, and intended outcome. |
| 02 | Define | Pathway, deliverable, boundary, responsibilities, assumptions, and exclusions. |
| 03 | Prepare | Documents, site, equipment, people, permissions, safety, logistics, and contingencies. |
| 04 | Execute | Training, technical work, or field mission conducted within the agreed scope. |
| 05 | Check | Assessment, functional review, coverage or quality review, and issue resolution. |
| 06 | Hand over | Certificate path, service notes, deliverables, limitations, care guidance, and next steps. |

A useful first enquiry

Training	Learner profile and goal; pathway; location, timing, and group size.
Repair & service	Aircraft make and model; symptoms and incident history; photos or video; urgency.
Survey & GIS	Site and extent; decision or intended use; required files; access and timing.



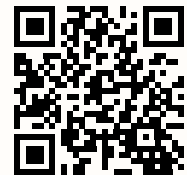
Start with the right question.

Tell us what you are trying to achieve. We will help identify the appropriate training pathway, service scope, or next planning step.

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Operational address



Near CRIF Building, IIT Bhubaneswar Main Campus, Argul, Jatani, Odisha 752050

Training, field coordination, and operational enquiries

Registered office



DCB 321, 3rd Floor, DLF Cyber City, Technology Corridor, Chandaka Industrial Estate, Patia, Bhubaneswar, Odisha

Corporate correspondence and registered identity

Before you commit: request the current written brief. Confirm scope, eligibility, schedule, venue, fees, inclusions, deliverables, limitations, payment terms, and completion-document wording.



Ready for the next responsible step.

Preparing a learner. Caring for an aircraft. Planning a site mission. Begin with the outcome and the operating context.



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Remote Pilot Programme

Learn the whole operation. Fly with professional judgement.

A structured route through aviation fundamentals, aircraft systems, simulation, supervised flight practice, safety, and competency assessment within Precision Airborne's approved training scope.



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Knowledge. Rehearsal. Field discipline.

The programme links knowledge, rehearsal, field discipline, and assessment so each stage prepares the learner for the next.

- 01**  **Aviation foundations**
Flight principles, weather awareness, airspace context, Drone Rules, and remote-pilot responsibilities.
- 02**  **Aircraft systems**
Airframes, propulsion, batteries, flight control, navigation, communication, and ground-control systems.
- 03**  **Mission preparation**
Site assessment, permissions, checklists, crew communication, equipment care, and operational records.
- 04**  **Simulation and supervised flight**
Control familiarisation, manoeuvres, return-to-home, abnormal situations, and instructor-led practice.
- 05**  **Competency assessment**
Knowledge, flying ability, safety awareness, checklist discipline, and professional judgement.

**Practical learning.
Clear operating habits.**





Find your next step.



Who this is for

- ✓ Applicants preparing for the applicable small-category remote-pilot programme.
- ✓ Teams seeking a disciplined foundation for safe drone operations.
- ✓ Learners comparing eligibility, approved scope, and the training journey.

Confirm before booking

- ✓ Current eligibility and required documents
- ✓ Applicable programme, dates, and available seats
- ✓ Fees, taxes, inclusions, and refund terms
- ✓ Travel, accommodation, equipment, and materials

At a glance

APPROVED CLASS

Rotorcraft - RPAS - Small

TRAINING CATEGORY

VLOS (Day/Night)

CERTIFICATE VALIDITY

1 July 2025 to 30 July 2035

TRAINING BASE

Near CRIF Building, Odisha 752050

Request the current programme brief

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Training remains subject to the certificate conditions, the applicable approved or accepted manual, permissions, and current DGCA requirements. No employment outcome is promised.



Aerial Mapping & GIS Training

Capture with purpose. Process with context. Deliver for the decision.

A professional-skills pathway for connecting drone capture with georeferenced imagery, terrain information, measurements, map layers, quality review, and organised handoff.



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Professional skills pathway | Non-regulated programme

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From the flight plan to the final map.

Learners connect the intended decision, coordinate context, accuracy need, coverage, capture plan, processing choices, and file format before a deliverable is discussed.

- 01**  **Define the use**
Site boundary, decision, expected output, coordinate reference system, accuracy context, and delivery deadline.
- 02**  **Review the site**
Access, airspace, permissions, terrain, people, weather, vegetation, and the ground-control strategy.
- 03**  **Plan and capture**
Altitude, waypoints, overlap, payload, coverage, field checks, and organised capture records.
- 04**  **Process and check**
Image alignment, georeferencing, orthomosaic or model generation, data cleaning, and quality review.
- 05**  **Deliver and explain**
Agreed GIS or CAD-ready files, reference information, scope notes, limitations, and handoff guidance.

Practical learning.
Clear operating habits.





Find your next step.



Who this is for

- ✓ Remote pilots developing a mapping specialism
- ✓ Engineering, planning, agriculture, and geospatial learners
- ✓ Organisations building an aerial-data workflow

Confirm before booking

- ✓ Learner experience and remote-pilot prerequisites
- ✓ Software, aircraft, data, and practical access
- ✓ Orthomosaic, model, contour, volume, or GIS scope
- ✓ Format, duration, assessment, and completion documents

At a glance

LEARNING EMPHASIS

Mission planning, capture, processing, quality review, and handoff

POTENTIAL OUTPUTS

Orthomosaics, terrain models, contours, volumes, and GIS layers

DELIVERY MODEL

Theory, demonstration, guided workflow, and practical work where available

PROGRAMME DETAILS

Confirmed in the current written brief

Request the mapping training outline

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This professional-skills pathway is distinct from regulated remote-pilot certification. Software, data, practical access, assessment, and completion documents are confirmed in writing.



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Drone Workshops & Bootcamps

Make drone technology tangible.

Modular, institution-focused learning experiences that can combine drone foundations, aeromodelling, simulator practice, DIY assembly, calibration, and guided flight activity.



Modular institutional programme | Non-regulated

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A workshop built around participation.

The final agenda is shaped around learner level, available time, venue, equipment, and the outcome the institution wants to create.

- 01**  **Drone foundations**
How drones fly, common aircraft types, safety basics, and real-world applications across sectors.
- 02**  **Aeromodelling and DIY assembly**
Frames, propulsion, power, control components, wiring logic, and supervised kit-based activity.
- 03**  **Controls and simulation**
Throttle, yaw, pitch, roll, orientation, take-off, hovering, landing, and safe rehearsal.
- 04**  **Programming and calibration**
Controller configuration, sensor calibration, failsafe concepts, and setup workflow where applicable.
- 05**  **Challenge and reflection**
A team task, demonstration, troubleshooting discussion, career pathways, and next-step guidance.

Practical learning.
Clear operating habits.





Find your next step.



Who this is for

- ✓ School and college awareness programmes
- ✓ University, ITI, and engineering practical modules
- ✓ Startup, innovation-cell, and faculty-development events

Confirm before booking

- ✓ Learner level, group size, venue, and format
- ✓ Duration and final module selection
- ✓ Drone kits, tools, simulators, and safety setup
- ✓ Assessment and participation-document details

At a glance

FORMAT

Designed as a modular institutional programme

LEARNING MODE

Theory, demonstration, simulation, and practical activity

PROGRAMME DESIGN

Confirmed against the institution's brief

DELIVERY BASE

Odisha, with other locations subject to planning

Plan a campus or team programme

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A workshop or bootcamp is not represented as a DGCA Remote Pilot Certificate course. The written proposal confirms the exact agenda, duration, materials, assessment, and completion documents.



Drone Simulator Operations

Rehearse the decision before the real flight.

A structured simulator pathway for building control familiarity, spatial orientation, repeatable manoeuvres, mission-planning discipline, and calm responses to abnormal situations.



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Professional skills pathway | Non-regulated programme

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Practice that builds operating judgement.

The pathway progresses from equipment setup and basic control to planned exercises, abnormal situations, and an instructor-reviewed performance check.

- 01**  **Setup and orientation**
Simulator environment, controller setup, aircraft profile, view modes, safety context, and learning objectives.
- 02**  **Control foundations**
Throttle, yaw, pitch, roll, coordinated inputs, orientation recovery, take-off, hover, and landing practice.
- 03**  **Precision flight drills**
Directional circuits, altitude and speed control, waypoint discipline, repeatable manoeuvres, and accuracy review.
- 04**  **Mission planning**
Site context, route design, operating limits, checklists, weather inputs, decision points, and go/no-go thinking.
- 05**  **Abnormal situations**
Loss of orientation, degraded navigation cues, return-to-home logic, controlled recovery, and instructor-led scenarios.

Instructor-reviewed performance check

A structured review closes the practice loop.





Find your next step.



Who this is for

- ✓ New learners preparing for supervised field training
- ✓ Operators refreshing control and procedure discipline
- ✓ Institutions adding repeatable simulator practice

Confirm before booking

- ✓ Simulator platform, aircraft profile, and controller
- ✓ Learner level, objectives, and prerequisites
- ✓ Session format, duration, venue, and batch size
- ✓ Assessment and completion-document details

At a glance

LEARNING PATH

Six connected stages from setup to performance review

PRACTICE EMPHASIS

Controls, orientation, procedures, planning, and recovery

DELIVERY MODEL

Guided simulator exercises with instructor feedback

PROGRAMME DETAILS

Confirmed in the current written brief

Request the simulator pathway

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Simulator training supports skill development but does not replace required regulated training, supervised aircraft practice, or certification. Platform, assessment, and completion documents are confirmed in writing.



Drone Technician Training

Understand the system. Find the fault. Document the work.

A practical learning pathway for understanding drone subsystems, assembly, calibration, fault diagnosis, preventive maintenance, battery safety, and technical handover.



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Technical capability building | Scope confirmed on enquiry

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From component to known condition.

The modules follow the way a careful technician works: identify the system, assemble or inspect it, configure it, test it, and record what changed.

- 01**  **Components and subsystems**
Airframes, motors, ESCs, propellers, batteries, power distribution, controllers, GPS, IMU, and barometers.
- 02**  **Assembly and integration**
Mechanical fitting, wiring, soldering concepts, controller mounting, propulsion checks, and first setup.
- 03**  **Configuration and calibration**
Firmware context, sensor calibration, radio setup, failsafe configuration, and pre-flight diagnostics.
- 04**  **Fault finding and maintenance**
Structured symptom intake, inspection, component isolation, battery care, preventive routines, and repair planning.
- 05**  **Safety and documentation**
Ground handling, test discipline, crash recovery considerations, parts records, checklists, and technical handover.

Practical learning.
Clear operating habits.





Find your next step.



Who this is for

- ✓ Engineering, diploma, and ITI learners
- ✓ Drone operators who support equipment readiness
- ✓ Institutions building practical UAV labs or support teams

Confirm before booking

- ✓ Supported aircraft and component scope
- ✓ Tools, kits, test equipment, and practical access
- ✓ Duration, venue, batch size, and prerequisites
- ✓ Assessment and completion-document details

At a glance

LEARNING EMPHASIS

Assembly, calibration, diagnosis, and maintenance

PRACTICE MODEL

Demonstration and supervised technical exercises

SERVICE BOUNDARY

Repairability and parts depend on inspection

PROGRAMME DETAILS

Confirmed in the current written brief

Request the technician programme outline

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This technical programme is distinct from regulated remote-pilot certification. Aircraft compatibility, practical access, tools, assessment, and completion documents are confirmed in writing.



Drone Hobby Flying

First flight. Lifelong good habits.

An approachable introduction to drone components, responsible use, simulator rehearsal, basic manoeuvres, supervised flying, equipment care, and sensible next steps.



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Introductory learning pathway | Non-regulated programme

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A careful first flight starts on the ground.

Learners first understand the aircraft and operating boundaries, then build control familiarity before any suitable supervised flight activity.

- 01**  **Responsible flying**
People, property, airspace awareness, weather, site boundaries, batteries, propellers, and clear go/no-go decisions.
- 02**  **Know the aircraft**
Airframe, motors, propellers, battery, controller, camera, navigation aids, status indicators, and basic care.
- 03**  **Controls and orientation**
Throttle, yaw, pitch, roll, visual orientation, simulator rehearsal, take-off, hover, and landing concepts.
- 04**  **Supervised practice**
Pre-flight checks, controlled manoeuvres, instructor cues, separation, landing, shutdown, and post-flight review.
- 05**  **Care and next steps**
Battery handling, transport, simple maintenance, practice planning, learning pathways, and when formal training may apply.

Practical learning.
Clear operating habits.





Find your next step.



Who this is for

- ✓ First-time and recreational drone learners
- ✓ Young learners with appropriate guardian support
- ✓ Families, clubs, and institutions planning an introduction

Confirm before booking

- ✓ Learner age and any guardian requirements
- ✓ Venue, weather plan, aircraft, and safety setup
- ✓ Format, duration, group size, and practical access
- ✓ Participation and completion-document details

At a glance

LEARNING LEVEL

Introductory and adjusted to the learner group

LEARNING MODE

Briefing, demonstration, simulator, and supervised activity

EQUIPMENT

Aircraft and simulator access confirmed before booking

PROGRAMME DETAILS

Confirmed in the current written brief

Plan a hobby-flying introduction

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This introductory pathway is not a DGCA Remote Pilot Certificate course. Practical activity depends on learner readiness, venue, weather, equipment, applicable requirements, and instructor judgement.



Instructor Development & Supervised Flight Logging

Demonstrate clearly. Observe closely. Guide responsibly.

An advanced professional pathway for eligible remote pilots who want to strengthen briefing, demonstration, observation, feedback, supervised practice, and flight-record discipline.



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Advanced professional pathway | Non-regulated; entry by review

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Instruction is a disciplined operating skill.

The learning path connects lesson preparation, safe demonstrations, learner supervision, constructive feedback, and auditable flight records.

- 01**  **Readiness review**
Current credentials, operating experience, recent practice, programme expectations, safety responsibilities, and development goals.
- 02**  **Briefing and lesson structure**
Learning outcomes, sequence, demonstration points, questions, checks for understanding, and pre-flight briefings.
- 03**  **Demonstration standards**
Clear control inputs, commentary, positioning, error prevention, abnormal-situation context, and repeatable operating discipline.
- 04**  **Supervision and feedback**
Observation, intervention thresholds, workload awareness, learner debriefs, corrective practice, and progress notes.
- 05**  **Flight logging and review**
Structured supervised practice, accurate records, instructor review, evidence quality, and an individual development plan.

**Practical learning.
Clear operating habits.**





Find your next step.



Who this is for

- ✓ Eligible remote pilots building instructional capability
- ✓ Operations teams developing internal mentors
- ✓ Experienced pilots seeking structured supervised practice

Confirm before booking

- ✓ Current and applicable Remote Pilot Certificate
- ✓ Experience, recency, and programme prerequisites
- ✓ Supervision, aircraft access, schedule, and log format
- ✓ Assessment, recognition, and completion documents

At a glance

ENTRY

Credential and experience review required before acceptance

LEARNING EMPHASIS

Briefing, demonstration, supervision, feedback, and records

FLIGHT LOGGING

Volume and format confirmed for the selected pathway

AVAILABILITY

Subject to suitable instructors, aircraft, and operating conditions

Discuss instructor development

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Participation does not by itself confer instructor approval, regulatory privilege, or employment. Eligibility, supervised hours, assessment, recognition, and availability are confirmed in the current written offer.