

TRAINING PROGRAMS ON DRONE APPLICATIONS

EMPOWERING INDUSTRIES WITH CUTTING-EDGE DRONE TECHNOLOGY

Offered by AIT Extension
in Collaboration with
Drone Entry



AIT Extension
Executive Education & Professional Development Services



SURVEYING & MAPPING WITH ADVANCED DRONE TECHNOLOGY

Master drone-based photogrammetry, LiDAR, and GIS for precise mapping.



DRONES IN PRECISION AGRICULTURE & FOOD SECURITY

Optimize farming with drone-based crop monitoring, spraying, and analytics.



DRONES IN DISASTER MANAGEMENT & PREPAREDNESS

Deploy drones for search & rescue, disaster mapping, and emergency response.



DRONES IN ASSET INSPECTIONS & STRUCTURAL MONITORING

Use drones for industrial inspections, defect detection, and predictive maintenance.



AERIAL CINEMATOGRAPHY & PHOTOGRAPHY WITH DRONES

Capture stunning aerial visuals with professional drone piloting and editing.



DESIGN THINKING FOR DRONE APPLICATIONS

Innovate UAV solutions through design thinking and industry-driven applications.

Why Train with AIT Extension & Drone Entry?

Hands-on training with cutting-edge drone technology
Expert-led sessions with real-world applications
Comprehensive industry-focused curriculum

For more information, contact:



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SURVEYING & MAPPING WITH ADVANCED DRONE TECHNOLOGY

Optimizing Geospatial Data Collection with Cutting-Edge Drone Solutions

📍 Venue: Asian Institute of Technology (AIT),
Pathum Thani, Thailand

💰 Training Fee: \$1500 per participant
(5 days)



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This specialized training equips participants with hands-on expertise in using drones for high-precision surveying and mapping. The course covers data acquisition, processing, and analysis using advanced drone technology, ensuring efficient and accurate geospatial applications.

What's in It for You? (Learning Outcomes)

- Understand drone technology, sensors, and payloads for surveying and mapping.
- Learn aerial data collection techniques like photogrammetry, LiDAR, and multispectral imaging.
- Develop skills in geospatial data processing, 3D modeling, and DEM using industry software.
- Ensure mapping accuracy with ground control points (GCPs) and error correction.
- Learn drone regulations, safety protocols, and compliance standards for legal operations.
- Gain hands-on experience in flight planning, drone piloting, and real-world mapping projects.

Who Should Attend?

- Surveyors, engineers, and GIS professionals
- Urban planners and land management officials
- Construction and infrastructure specialists
- Environmental scientists and researchers
- Mining and agriculture professionals





DRONES IN PRECISION AGRICULTURE & FOOD SECURITY

Optimizing Farming Efficiency with Drone Technology

📍 Venue: Asian Institute of Technology (AIT),
Pathum Thani, Thailand

💰 Training Fee: \$1500 per participant
(5 days)



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Executive Education & Professional Development Services



This specialized training program equips participants with the knowledge and practical skills to integrate drone technology into modern agriculture. Learn how to use drones for crop monitoring, precision spraying, field mapping, and data-driven decision-making to enhance productivity, reduce costs, and promote sustainable farming practices.

What's in It for You? (Learning Outcomes)

- Understand drone technology and its applications in precision agriculture.
- Learn crop health monitoring using multispectral and thermal imaging.
- Understand spraying mechanism techniques for fertilizers and pesticides.
- Develop skills in Agriculture field mapping.
- Gain expertise in drone data analysis for better farming decisions.
- Ensure regulatory compliance and safety in agricultural drone operations.
- Get hands-on training in drone piloting, data processing, and real-world applications.

Who Should Attend?

- Farmers and agribusiness professionals
- Agricultural researchers and agronomists
- Precision farming specialists
- Government agencies and policymakers
- Drone operators and GIS specialists in agriculture





DRONES IN DISASTER MANAGEMENT & PREPAREDNESS

Empowering Disaster Response with Cutting-Edge Drone Technology

📍 Venue: Asian Institute of Technology (AIT),
Pathum Thani, Thailand

💰 Training Fee: \$1500 per participant
(5 days)



AIT Extension
Executive Education & Professional Development Services



This specialized training program equips participants with the knowledge and hands-on skills to deploy drones for disaster risk reduction, response, and recovery. From aerial surveillance to search and rescue operations, drones enhance situational awareness, improve response efficiency, and ensure safer disaster management practices.

What's in It for You? (Learning Outcomes)

- Understand drone technology, sensors, and applications in disaster response.
- Learn real-time aerial data collection and GIS integration for emergency management.
- Learn drone operations for search & rescue, risk assessment, and disaster recovery.
- Develop expertise in regulatory compliance and ethical considerations for disaster scenarios.
- Gain hands-on experience in emergency drone deployment and mission planning.
- Train with real-world disaster response simulations and expert-led case studies.

Who Should Attend?

- Disaster response professionals
- Emergency management agencies
- Humanitarian organizations
- GIS specialists & urban planners
- Government officials & NGOs
- Researchers & students in related fields





DRONES IN ASSET INSPECTIONS & STRUCTURAL MONITORING

Revolutionizing Infrastructure Assessment with Drone Technology

📍 Venue: Asian Institute of Technology (AIT),
Pathum Thani, Thailand

💰 Training Fee: \$1500 per participant
(5 days)



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This training program provides hands-on experience in using drones for asset inspections and structural monitoring. Participants will learn how to capture high-quality aerial data, analyze structural conditions, and generate detailed inspection reports, improving safety and efficiency in industrial assessments.

What's in It for You? (Learning Outcomes)

- Learn drone operation and safety for asset inspections.
- Understand regulatory compliance and legal requirements for drone-based inspections.
- Master high-resolution imaging, thermal scanning, and LiDAR-based analysis for inspections.
- Develop skills in data interpretation, defect identification, and reporting.
- Understand risk management and emergency response strategies for drone inspections.
- Gain hands-on experience in real-world asset inspection scenarios with expert-led training.

Who Should Attend?

- Engineers and asset managers
- Infrastructure maintenance professionals
- Energy sector professionals (power lines, wind turbines, solar farms, oil & gas)
- Construction and facility management experts
- Government agencies and safety regulators





AERIAL CINEMATOGRAPHY AND PHOTOGRAPHY WITH DRONES

Master the Art of Capturing Stunning Aerial Visuals

📍 Venue: Asian Institute of Technology (AIT),
Pathum Thani, Thailand

💰 Training Fee: \$1500 per participant
(5 days)



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This specialized training program equips participants with the skills to capture breathtaking aerial visuals using drones. From cinematography techniques to post-production workflows, participants will gain hands-on experience in producing high-quality aerial photography and videography for various industries.

What's in It for You? (Learning Outcomes)

- Learn the fundamentals of aerial cinematography, including framing and composition.
- Master drone camera operations for professional photography and videography.
- Develop flight planning and execution skills for cinematic shots and smooth movements.
- Gain expertise in post-production editing, color grading, and stabilization.
- Understand regulatory and legal considerations for commercial drone filming.
- Enhance your storytelling through visual composition and creative techniques.
- Get hands-on experience with drone piloting and industry-standard software for editing.

Who Should Attend?

- Filmmakers & video production professionals
- Photographers - drone-based photography
- Media and content creators
- Marketing and advertising professionals
- Tourism and real estate professionals
- Anyone passionate about aerial photography and videography



DESIGN THINKING FOR DRONE APPLICATIONS

Innovative Problem-Solving for the Future of Drone Technology

📍 Venue: Asian Institute of Technology (AIT),
Pathum Thani, Thailand

💰 Training Fee: \$1500 per participant
(5 days)



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This interactive training program introduces participants to design thinking principles and their application in the drone industry. Through hands-on workshops and real-world problem-solving exercises, participants will develop innovative, user-centric drone solutions tailored to industry needs.

What's in It for You? (Learning Outcomes)

- Understand the design thinking process and its role in innovation.
- Learn problem-solving techniques for addressing drone technology challenges.
- Develop user-centric drone solutions for various industries.
- Enhance teamwork and collaboration through multidisciplinary projects.
- Integrate sustainability in drone applications for impactful innovations.
- Improve presentation and pitching skills for showcasing drone-based solutions.
- Gain hands-on experience in drone design, prototyping, and application testing.

Who Should Attend?

- Drone entrepreneurs and startups
- Engineers and product designers
- Innovators and technology developers
- Business professionals exploring drone applications
- Students and researchers in technology and innovation fields





* FEE PAYMENT & INCLUSIONS



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The program fee of \$1500 per participant includes tuition, training materials, and working lunch during program days. It also covers local transportation for field visits (if applicable).

The fee does not include accommodation, meals (except working lunch), personal expenses, international travel (if applicable), or travel insurance. Airport pickup and drop-off can be arranged if required. Accommodation arrangements can be facilitated upon request, but participants are responsible for the payment upon arrival.

CONTACT US



For inquiries, program details, and registration, please reach out to:



AIT Extension
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AIT Extension

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