

RAVEN Academy Training Catalog

Professional training programs for AI, Autonomous Systems, UAV Technologies and Defence Applications.

1. Tactical FPV Drone Operator Training

- **Participants:** 5-10 people
- **Duration:** 14 Days
- **Level:** Beginner / Intermediate
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy Tactical FPV Operator Certificate
- **Training Program:**
 - FPV Fundamentals
 - Flight Simulator
 - Manual Flight
 - Mission Planning
 - Emergency Procedures
 - Live Flight
 - Final Evaluation

2. Computer Vision for Autonomous Systems

- **Participants:** 5-20 people
- **Duration:** 5 Days
- **Level:** Intermediate
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy Computer Vision Certificate
- **Training Program:**
 - Image Processing
 - OpenCV
 - Feature Matching
 - Optical Flow
 - Object Detection
 - Vision Navigation

3. Artificial Intelligence for Defence Applications

- **Participants:** 10-20 people
- **Duration:** 4 Days

- **Level:** Intermediate / Advanced
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy AI Certificate
- Training Program:
 - Deep Learning
 - YOLO
 - Segmentation
 - Classification
 - Edge AI
 - Deployment

4. UAV Navigation & GPS-Denied Systems

- **Participants:** 10-20 people
- **Duration:** 5 Days
- **Level:** Advanced
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy Navigation Certificate
- Training Program:
 - Visual Navigation
 - Visual Odometry
 - SLAM
 - Sensor Fusion
 - Terrain Navigation
 - Satellite Matching

5. Electro-Optical Systems Engineering

- **Participants:** 10-20 people
- **Duration:** 5 Days
- **Level:** Intermediate
- **Language:** TR / EN
- **Hands-on Practice:** Optional
- **Certificate:** RAVEN Academy EO Systems Certificate
- Training Program:
 - EO/IR Cameras
 - Thermal Imaging
 - Optics
 - Gimbals
 - Calibration
 - Video Interfaces

6. Autonomous Robotics & ROS2

- **Participants:** 10-15 people
- **Duration:** 5 Days
- **Level:** Intermediate / Advanced
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy Robotics Certificate
- Training Program:
 - ROS2
 - PX4
 - MAVLink
 - Sensors
 - Autonomy
 - Mission Control

7. Counter-UAS Technologies

- **Participants:** 10-20 people
- **Duration:** 5 Days
- **Level:** Intermediate
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy Counter-UAS Certificate
- Training Program:
 - Threat Analysis
 - Detection
 - Tracking
 - Interceptors
 - Electronic Warfare
 - Operational Concepts

8. Embedded AI & Edge Computing

- **Participants:** 10-20 people
- **Duration:** 6 Days
- **Level:** Advanced
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy Embedded AI Certificate
- Training Program:
 - Jetson
 - CUDA
 - TensorRT

- Optimization
- Deployment

9. UAV System Integration & Payload Engineering

- **Participants:** 5-15 people
- **Duration:** 4 Days
- **Level:** Intermediate
- **Language:** TR / EN
- **Hands-on Practice:** Yes
- **Certificate:** RAVEN Academy System Integration Certificate
- Training Program:
 - Flight Controllers
 - Power Systems
 - Payload Integration
 - Communications
 - Testing

10. Custom Corporate & Defence Programs

- **Participants:** 20-30 people
- **Duration:** 2-10 Days
- **Level:** All Levels
- **Language:** TR / EN
- **Hands-on Practice:** Configurable
- **Certificate:** Certificate upon Completion
- Training Program:
 - Customized Curriculum
 - Hands-on Workshops
 - Consultancy
 - Project-Based Learning