

UAV Navigation & GPS-Denied Systems

An advanced 5-day programme focused on autonomous navigation in GPS-denied and contested environments. Participants master visual odometry, SLAM algorithms, sensor fusion techniques, and terrain-based navigation methods essential for operating UAVs in denied or degraded operational spaces. The curriculum covers the full spectrum of navigation challenges, from visual feature extraction and map building to multi-sensor integration and satellite matching for position verification. Designed for advanced practitioners, this course prepares engineers and operators to design and deploy UAV systems capable of maintaining situational awareness and mission effectiveness when traditional navigation aids are unavailable or compromised.

Programme Details

- **Participants:** 10-20
- **Duration:** 5 Days
- **Level:** Advanced
- **Language:** TR / EN
- **Hands-On:** Yes
- **Certificate:** RAVEN Academy
Navigation Certificate

Training Modules

- Visual Navigation
- Visual Odometry
- SLAM
- Sensor Fusion
- Terrain Navigation
- Satellite Matching



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