

Autonomous Robotics & ROS2

A 5-day programme providing engineers with the skills to develop, integrate, and deploy autonomous robotic systems using ROS2, PX4, and MAVLink. The course covers sensor integration, autonomy stack development, and mission control architecture for both aerial and ground platforms. Participants work through the complete development pipeline, from configuring ROS2 nodes and establishing communication interfaces to implementing autonomous behaviours and managing mission-level decision logic. Designed for intermediate to advanced practitioners, this programme is ideal for teams building custom robotic platforms or integrating autonomy into existing UAV and UGV systems for defence and security applications.

Programme Details

- **Participants:** 10-15
- **Duration:** 5 Days
- **Level:** Intermediate / Advanced
- **Language:** TR / EN
- **Hands-On:** Yes
- **Certificate:** RAVEN Academy Robotics Certificate

Training Modules

- ROS2
- PX4
- MAVLink
- Sensors
- Autonomy
- Mission Control



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