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RAISE 2025

International Summer School on Robotics and Artificial Intelligence in Systems Engineering

14-16 July 2025, ENET'Com - Sfax, Tunisia

<https://raiseschool.github.io/RAISE2025/>

RAISE 2025 condenses the essentials of modern robotics and AI into an intensive three-day boot camp that blends theory, hands-on practice, and a team challenge. This year's unifying theme is "AI-Empowered Robotics for Smart Agriculture."

Participants learn to design mobile robots that diagnose plant-health conditions with computer vision and Large-Language-Model (LLM) reasoning, then recommend – or autonomously execute – remedial actions..

ROS

Practical workshops on Robot Operating System and hands-on implementation.

AI Technologies

Deep dive into Generative AI, Computer Vision, and Large Language Models.

Competition

Put your skills to the test in the RAISE robotics competition with attractive prizes.

International RAISE Competition

The international RAISE 2025 competition aims to foster innovation and practical skills in robotics and AI. Teams will compete in three different tracks with attractive prizes for winners.

- **Track 1: Autonomous Robot :** Design a robot that can follow a 10-meter black path (5cm wide) autonomously with maximum speed and precision.
- **Track 2: Industrial Robot :** Build a robot capable of carrying a 5cm³ box and following a black path for 10 meters without dropping the payload.
- **Track 3: Agriculture Robot :** Develop a robot that can read QR codes with a camera and perform specified actions (FORWARD, BACKWARD, etc.) along a 10-meter path.