

PRU-İDA

COMMUNITY OUTREACH PROJECT

LOCATION: Gülizar Zeki Obdan Anatolian High School
Istanbul

AUDIENCE: High-school students interested in STEM,
robotics, and AI.

GOAL: To motivate students and show how AI and
engineering solve marine problems based on fundamental
sciences like physics and mathematics.



As the PRU-IDA team, we visited a nearby high school and organized a STEM awareness event with students. During the activity, we introduced our autonomous surface vehicle TALAZ and explained the systems that enable it to operate autonomously.

The presentation included:

- Operating principles of autonomous marine vehicles
- Sensors, cameras, and onboard computer systems
- Teamwork and the engineering development process

Students actively participated by asking questions throughout the session.



Through this event, students experienced robotics and artificial intelligence as real engineering systems rather than only theoretical concepts. They observed how mathematics, physics, and software work together in real-world applications.

Many students reported increased interest in engineering and robotics. As PRU-IDA, we aim to continue similar outreach activities to inspire future engineers and build long-term connections with the next generation of innovators.

