Title: Design and Manufacturing of the Carriage for the Operational Arm of an Unmanned Hovercraft

Ref: HOVARM
Type: Departmental
Vacancy: 1 Student
Duration: 1 Semester

Project Description:
The unmanned hovercraft being designed within a TÜBİTAK project in the department has an operational arm that should perform a certain motion periodically. The arm is articulated and the project involves the design and manufacturing of the mechanism for proper motion of the arm.

Work Description:
- Designing the arm carriage and the motion system.
- Searching the market for off-the-shelf available components.
- Manufacturing the carriage and motion system in the departmental machine shop by helping the technician and coupling it with the arm.
- Mounting the overall system onto the hovercraft platform.

Qualifications and Skills:
- Motivation for engineering design and development.
- Interest and a good background in machine element design.
- A taste for practical work and manufacturing.
- Report writing skills.