Title: Design and Manufacturing of Engine-to-Fan and Engine-to-Propeller Transmission Systems for an Unmanned Hovercraft

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

Project Description:  
The unmanned hovercraft being designed within a TÜBİTAK project in the department needs a transmission system for the pair of fans and the pair of propellers. Each pair will be driven by its own engine. The project involves the design and manufacturing of the transmission systems.

Work Description:  
- Designing the transmission systems.  
- Searching the market for off-the-shelf available components.  
- Manufacturing the transmission systems in the departmental machine shop by helping the technician.  
- Mounting the transmission systems 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.