

PROJECT TOPIC
Spring 2026



**Theoretical and Experimental Determination of
Damping Coefficient of Dashpots**

Ref Code : DAMCO
Type : New
Status : Group
Seats : 2 Students

Project Description:

The project involves damping coefficient estimation, designing a small damper (dashpot) with a specific damping coefficient, manufacturing the dashpot designed and testing it.

Work Description:

- Literature survey on damping coefficient estimation.
- Theoretical study to calculate the damping coefficient for a given geometry of a dashpot.
- Design of a small damper targeting a certain coefficient value.
- Manufacturing the dashpot thus designed.
- Investigating methods and deciding about a method to test the damping coefficient.
- Testing the designed dashpot.

Required Qualifications and Skills:

- Appetite for theoretical and experimental work.
- Knowledge of MATLAB.
- The project will be on campus.

Related UN Sustainable Development Goals:

- No.9 Industry, innovation and infrastructure.

Difficulty: high (X) medium () low ()

Time commitment: high (X) medium () low ()

Estimated expense: 0 TL