



TISHK INTERNATIONAL UNIVERSITY
Civil Engineering Department
Graduation Project Proposal Form

Project Information

Title of the Project
Title of the Project: Strength Development of Modern Concrete Mixes
Project Description
The project investigates the strength development of concrete produced by local ready-mix plants. Samples will be collected and tested for compressive strength at ages of 3, 7, 14, and 28 days. The focus will be on how modern admixtures affect early and long-term strength development, with results compared against code-based assumptions. Strength development curves will be generated and practical recommendations provided for construction practices.

Project's Supervisor

Name	Mr. Halmat Muslih Burhan	E-mail	halmat.muslih@gmail.com
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Project Justification/Characteristics	
New Aspects/ Challenging Problems and Issues (if any)	New Aspects/Challenging Problems: This project is highly relevant to modern construction practices and provides new data for the region. It is challenging due to the experimental program and the need to control sample collection, curing, and laboratory testing across different plants. The results can have a direct impact on construction scheduling and safety.
Related Civil Engineering Science Fields and Subfields	Construction Materials, Structural Engineering, Concrete Technology
Tools	Compression Testing Machine, Excel for data analysis
Labs Needed for this Project	Materials/Concrete Laboratory
No. of required students	2
At the time of applying, the students must have passed these courses	Construction Materials, Concrete Technology