



Istanbul Sehir University
College of Engineering and Natural Sciences
ENGR 497 Global Design Project I Analysis
Project Proposal

“Smart Exam Administration System”

Group Members

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1. Aim of the Project

The project aims to develop a computer-based examination system for avoiding paper usage, providing fast and reliable evaluation process, preventing cheating issues and creating a student-friendly environment during exams.

2. Approaches to the Problem

We'll create a 2-side application which includes a Server-Side and a Client-Side. In Client-Side, there'll be two different GUI's for students and instructors. Within the GUI for students, users will be able to see questions, type answers and test them. At the same time, instructors will monitor information gathered during the exam. Server-Side will be responsible for compiling or testing the answers, collecting and analyzing data to reveal various problems such as cheating.

3. Software / Hardware Requirements

- Software:
 - Python
 - PyCharm
 - Git Repository
 - Flask for Local Host Server Setup
- Hardware:
 - Server
 - 3 Computers

4. Draft Time Plan

- First Semester: Planning, Researching, GUI Design, Basic Security Concepts, Introductory Machine Learning Functionalities
- Second Semester: Full Anti-Cheating System, Server-Client Applicable Interaction, Testing and Debugging, Implementing Extra Features