

Faculty Mentored Internships

IE 399 Summer Practice Project Proposal Form

Faculty Information

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Student who have taken IE479 or IE 482 can apply

Proposed Project Information

Project Title: Testing for COVID-19

Planned Start Date: 15.06.2020

Planned End Date: (Will be determined together with the student)

Planned number of students: 2

Project Overview:

The requirements are itemized below:

- Work a detailed literature review on testing methods for COVID -19,
 - Academic literature
 - Success stories from different countries
- Determine alternative testing methods especially mobile methods (which can be conducted outside the hospitals)
- Prepare a detailed process flow for all these methods
- Propose a related optimization problem
- Determine a data set from a specific city, say Ankara
 - Should include pandemic hospitals
 - Potential POIs
- Solve the proposed problem with the data
- Write the overall project as a case study