**MARMARA UNIVERSITY**

**FACULTY OF ENGINEERING**

**ENVIRONMENTAL ENGINEERING DEPARTMENT**

**ENVE 4197/4198 ENGINEERING PROJECT**

**PROPOSAL FORM**

**FALL 2022-2023**

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| **Instructor :** Mete Tayanç  **Project Title :** Determination of Recent Air Quality Levels over Turkey  **Proposal No. :** *MeteTayanc-1*  **Number of Students :** 3 Students  **Requirements (from students) :** Student should be able to spend a minimum of 4 hours each week. |
| **Scope of the Project :**  Recent studies of air quality have shown that particulate matter is among the most important pollutants degrading air quality in many cities of Turkey. In this work, students are expected to use archive air quality data measured by Ulusal Hava Kalitesi İzleme Ağı (UHKİA) and study daily and long-term variabilities in the concentrations of conventional pollutants together with the meteorological parameters, and establish special emphasis on PM10 and and PM2.5.  Web sites: <https://sim.csb.gov.tr/Services/AirQuality> and <https://sim.csb.gov.tr/STN/STN_Report/StationDataDownloadNew> |
| **Hardware/Software/Lab/Equipment Requirements :**  Data from Ulusal Hava Kalitesi İzleme Ağı (UHKİA)  Computers with internet for accessing the necessary information and data  Software (like Office 365) to perform analysis and creating figures and tables, and writing thesis |
| **Development Plan :**   1. Literature review, reading, and writing throughout the two semesters 2. Downloading air quality and meteorological data 3. Analysis of data 4. Thesis writing |