**MARMARA UNIVERSITY**

**FACULTY OF ENGINEERING**

**ENVIRONMENTAL ENGINEERING DEPARTMENT**

**ENVE 4197 ENGINEERING PROJECT**

**PROPOSAL FORM**

**FALL 2021-2022**

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| **Instructor :** Nur H. Orak  **Project Title :** The environmental impacts of remote working  **Proposal No. : NurHOrak-3**  **Number of Students :** 4 students  **Requirements (from students) :** - |
| **Scope of the Project :**  It is estimated that there are four times as many people working from home as did pre-COVID-19 pandemic. In this study, students will estimate the total GHG Emissions for remote workers and develop strategies to reduce the global carbon footprint by remote working. |
| **Hardware/Software/Lab/Equipment Requirements :**  Hardware: A computer with internet connection  Software: MS Office or R |
| **Development Plan :**  Students will advance their environmental engineering, communication and teamwork skills through hands-on experiences by investigating the environmental impacts of remote working. Students will also advance their understanding of the professional and ethical aspects of engineering projects.  A student in this course must write a proposal and submit progress reports to the advisor. The student must also make a formal presentation of the project results and submit a final report to the department by the end of semester.     1. Literature review 2. Exploring life cycle assessment methods 3. Analysis 4. Developing different scenarios 5. Final thesis writing |