

CMPE491 PROJECT PROPOSAL REPORT

15.10.2023

1. Name of the Project:

PyroGuard Fire Detection System

2. URL of the Project Web Page:

<https://prsolver.github.io/pyroguard/>

3. Names of Team Members:

- Ecem Sıla Gök (1118505616)
- Ece Selin Adıgüzel (1988345282)
- Zeynep Beyza Uçar (1004263330)
- Doruk Aydoğan (1354737307)

4. Names of Supervisor and Jury Members:

- Supervisor: Yücel Çimtay
- Jury Member 1: Gökçe Nur Yılmaz
- Jury Member 2: Venera Adanova

5. Project Description:

This project will focus on creating an end-to-end system that will detect the presence of fire from camera footage in a timely and accurate manner, aiming to stop the fire before it has a chance to cause real damage. Once the fire is identified, the system will then find the approximate placement of it. An alarm system will be activated, and the system will locate where the nearest fire extinguisher from pre-determined fire extinguisher stations and show its location.