TED UNIVERSITY

CMPE 491

FireCoord - Smart Fire Management System

Project Proposal

Team Members:

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The URL of the project web page:

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Project Description:
Our goal is to ensure coordination among teams during forest fires and to optimize resource utilization by collecting field data on a centralized platform.

The system will display the fire's location and spread area on a live map, and teams will be able to share their location and status information through the application. The command center will collect this data to assign tasks and suggest the most suitable and safest routes. AI-powered optimization algorithms will be used for this purpose.

Additionally, photos sent from the teams will be processed through a simple image-processing module for "fire/no-fire" verification. We plan to use map APIs and existing libraries, and on the AI side, we believe that the route optimization and image verification modules will provide an intelligent contribution to the project.

We also believe that this project has a high level of social benefit.