Wildfire Prediction Project Proposal

Objective	This project is aimed at developing a wildfire prediction engine that will improve the capabilities of the current prediction methods for the National Parks Service.

Planning and Analyzing stages

Milestone	Tasks	Outcome/Deliverables	Estimated Time
Milestone 1	- Project workflow is outlined - Data is gathered from various sources - Software/hardware needs are identified	Stakeholders are updated	2–3 weeks
Milestone 2	Data is scrubbed, converted, and formatted	- Database ready for modeling - Stakeholders are updated	2–3 weeks

Constructing and Executing stages

Milestone	Tasks	Outcome/Deliverables	Estimated Time
Milestone 3	- Modeling and machine learning decisions are finalized - Model is constructed - Machine learning techniques are tested and retested for accuracy	- Machine learning model - Stakeholders are updated	4 weeks
Milestone 4	- Results are finalized - Findings are shared with stakeholders - Feedback is incorporated	- Visualizations - Executive summary - Results	3 weeks