

PROJECT DESIGN PHASE-II

FUNCTIONAL REQUIREMENTS

DATE	3 OCTOBER 2022
TEAM ID	PNT2022TMID37312
PROJECT NAME	EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRE
MAXIMUM MARKS	4 MARKS

The system shall send a notification to the admin when it recognizes a fire in the image given

The system shall take real inputs of satellite images and determine whether the image contains a fire or not

The system shall be able to take images with a variety of sizes and convert it to one fixed image to be used throughout the application

The system shall run as a service on either a Windows or Linux operating system.

In the event that the computer on which the system is running shuts down, the system service should start automatically when the computer restarts

Detection of forest fire and smoke in wildland areas is done through remote sensing-based methods such as satellites, high-resolution static cameras fixed on the ground, and unmanned aerial vehicles (UAVs).