Functional Requirements

● The system shall take training sets of fire images and recognize whether there is

a fire or the beginning of a fire (smoke) or if there is no fire

● 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