

Scope Document

Project ID: F22-028D-ASFS

Team Member#1: Adeel Subhan, 19I-1869

Team Member#2: Fateh Muhammad, 19I-1750

Team Member#3: Fahad Baig, 19I-1883

Supervisor: Dr. Hasan Mujtaba

Project title: ASFS (Auto-Surveillance for Security)

End Product: A surveillance-based web application that detects suspicious activities and threats and generate alerts based on it.

Technology Stack: Flask, TensorFlow, Html, JavaScript, OpenCV.

Scope:

1. Surveillance application for common places.
2. Suspicious Activity Detection.
3. Threat Detection.
4. Customizable Alerts based on activities.
5. Surveillance Analytics based on Threats and Suspicious Activities.
6. Progressive Web App for Mobile Devices.
7. Website deployment using Cloud services.

Work Distribution:

Team member 1: Adeel Subhan – 19I-1869

1. Back-end Development
2. Suspicious Activity Model: Abandoned Luggage.
3. Threat Detection Model: Fighting

Team member 2: Fahad Baig – 19I-1883

1. Front end Development of Surveillance application.
2. Integration of application. i.e., Alerts and Analytics.
3. Threat Detection Model: Fire & Arson.
4. Progressive Web App.

Team member 3: Fateh Muhammad – 19I-1750

1. Website deployment using cloud services.
2. Suspicious Activity Model: Abandoned Luggage.
3. Threat Detection Model: Shooting