

**Department of Computer Engineering****Class:** BE**Academic Year:** 2022-23**Title of Project:** SUSPICIOUS ACTIVITY DETECTION IN HOSPITAL

Name of Students with Roll No:

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Project Guide: Deepali Dhadwad**Objective:**

To create an automated system that can monitor and analyze activities in a hospital through CCTV to identify suspicious behavior and alert authorities about the same.

Description:

The Suspicious Activity Detection in Hospital is an automated video analysis system developed using Deep Learning based YOLO algorithm. It identifies potential threats like individuals carrying weapons (e.g., guns) and alerts hospital authorities. The system also detects suspicious activities such as fire incidents and prohibited behaviors like smoking. By automating the detection process, it reduces reliance on manual surveillance and enables a swift response. The system enhances overall security measures, ensuring the safety of patients, staff, and visitors. It provides peace of mind and facilitates a proactive approach to security in the hospital environment.

Key Features:

Deep learning-based YOLO algorithm is used, for detecting suspicious activity in real time scenario .

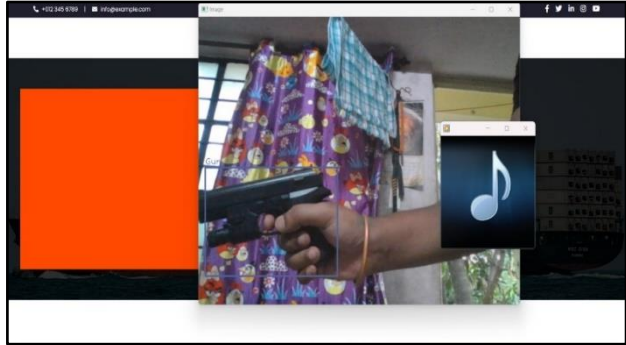
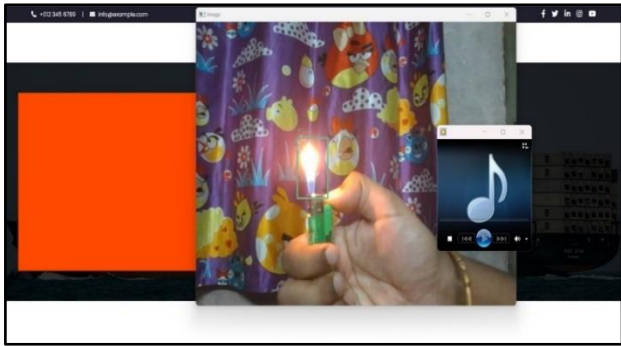
Software Requirements:

Sr.No.	Software Component	Details
1.	Operating System	Windows 7 and Above
2.	Technology	Python 3.8.10 and Java 1.7
3.	IDE	Eclipse Indigo 2011 and VS Code 1.78.2

Hardware Requirements:

Sr.No.	Component	Details
1.	Processor	Core i5 And Above
2.	Memory	RAM:8GB, HDD:512GB
3.	Other	Camera

Project Snap Shot:

Sr.No.	Description	Image
1.	Detecting Gun in Realtime	
2.	Detecting Fire in Realtime	

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