AI BASED SURVEILLANCE & MONITORING SYSTEM TO CATCH PERPETRATORS

A PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report **"AI BASED SURVEILLANCE & MONITORING SYSTEM TO CATCH PERPETRATORS"** is the bonafide work of the following students

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ABSTRACT

Nowadays most of the 300 million surveillance cameras today are 'blind' and merely record videos for post incident manual analysis, So The system deals with the development of an application for automation of video surveillance in Scene machines and detect any type of potential criminal activities that might be arising with the automated system which would considerably decrease the inefficiency that are existing in the prevalent systems. An advanced Human detection system using Open Computer Vision technique and Artificial Intelligence would be utilized which would create phenomenal results in the detection of the activities and their categorization. The proposed system makesefficient use of OpenCV which has more than 2500 optimized algorithms. These algorithms can be used to detect and recognize faces, identify objects, classify human actions in videos, track camera movements, track moving objects finally ending up with the detection and identification of the necessary action for the prevention of such type of activities. The entire mechanism takesplace in real time, decreasing the time complexity to a great extent making the system an efficient mechanism to prevent such anti-social activities. To Track the whereabouts of the vehicle used in the crime we have brought together NUMBER PLATE DETECTION.

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