

## ABSTRACT

Today we have a lot of surveillance and security systems. But the main drawback of these systems is that they are only video recording cams, they can only be put into use after a crime has been committed. Until a crime is committed and the authorities are notified the system just stay on standby recording everything they see. Some systems can monitor movements and alert when or if someone tries to break in to somewhere they are not supposed to. That too is not very effective. What this team suggesting is a surveillance and prediction system which works 24x7, capturing everything that every surveillance cameras in the grid sees. The system scours the entire grid for know fugitives and their accomplices by default. It also stores the data of when and where they have been and processes it and crossmatches with others to find out patterns. The system can be used to track missing persons, runaway fugitives, uncover terrorist activities, etc. It can be implemented in a wide scale from home security to national defence. The system is aimed to process the data along as it is obtained to dig out any patterns to predict and prevent any crimes from being committed. Of course, it cannot prevent every crime but even one life saved is a huge success and we think the system can save a lot of lives.

Business Plan: No

What problem are you trying to address?

Current surveillance systems are only good for finding out who is the culprit after something has gone wrong. It is always better to prevent than cure, so we are trying to address that inefficiency of current systems.

What differentiates your idea from similar ideas/solutions?

All other systems are focused on storing the video footages and reviewing them later. But our system is aimed to process the data along as it is obtained to dig out any patterns to predict and prevent any crimes from being committed.

Socio-economic importance of the project?

Every terrorist attack needs a huge amount of time and preparation to implement. They are not carried out on a whim or an impulse. From 9/11 to 26/11 the terrorists did a vast amount of ground work before the attacks. This means visiting the target place multiple times to understand the surroundings to the time needed for them to reach the target on the attack day from where ever they are. The system catches them during these stages to save a lot of lives and an even lot more of money which would be spent on payback. The system can also be used to find out lost people or run-away fugitives from law. Thus, aiding law enforcement agencies to ensure rule of law.

Beneficiaries of the project

The system can benefit a wide variety of clients whose range differs from individuals who need to find their lost loved ones to the government and defence of a country who are trying to capture fugitives and prevent attacks and law breaking.

Scope of the project?

It can be implemented on a scale of being as simple as an apartment surveillance system to being a nation-wide defence surveillance system.