**Software Construction**

End Semester Project Proposal

Offenders Management System

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**BESE-5B**

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# **Introduction**

The end semester project of Software Construction has to follow the theme of “Law and Order”. There are many sides to this particular field including management, justice system, crime prevention, traffic control and so on.

We often see advertisements by law enforcement agencies in media asking for help in recognizing and locating criminals and more often than not, these requests are ignored by the general public. There is a severe lack of relevant information for the law officers and too much of it is available to the people. Now, more than ever, there needs to be a trusty way of communication between the enforcers and the masses and we aim to provide a solution for this problem.

# **Problem Statement**

There are two problems to be catered here:

* Management of the information available to the law enforcement agencies.
* Transfer of information from the public to the law officers.

For the first part, the law enforcers need to be able to create proper records of the offenders they encounter (be it petty thieves or large-scale terrorists), give advertisements for help and choose to control the flow of information to the public.

For the second part, whenever someone sees anyone looking suspicious, he can inconspicuously take a picture (which is not that dangerous since everyone owns a smartphone nowadays and it won’t look too suspicious) and submit it along with date, time and place anonymously. This will remove the fear on the public’s part that the law officers will drag them into their investigations unreasonably if they report anything to them.

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# **Solution**

We will be designing an application that will be used by both the law enforcement agencies and the common people. The former will be maintaining a database and advertisements. The latter will provide information to the law agencies regarding suspicious personnel.

There might be some mischaracterization of innocent people but for that we will be introducing a check that will try to find a match for a picture sent in, in the database that already exists.

# **Solution Novelty**

There are mobile apps out there which help the police catch criminals with the coordination of common people. But almost all of them are deployed in developed countries, needless to mention many of such apps are not free of cost.

Usually, the ads seen in newspapers and TV are ignored by everyone so the solution we’re presenting aims to keep the process of reporting information simple and easy for an ordinary man; the person reporting will not have to make any direct contact with a police officer thus eliminating the fear of being investigated. Also, our solution aims to make efficient use of the resources like time, space etc.

# **Timeline of Completion**

The expected timeline of the project is as follows:

* 25th March - 5th April => Requirements Gathering and SRS Documentation
* 6th April - 12th April => Design and Prototyping
* 13th April - 13th May => Implementation
* 14th May - 30th May => Refinement and Final Documentation