

e-Patrol

Abstract

These are a drastic times. With the spread of the Corona virus and the administration of lockdowns, a lot of the people are confined to the space between the walls of their homes. With jobs and studies limited to the online space, a lot of the people are missing their routine life. Also with this lockdowns civil and legal rights too get confined to the living space. During these times, the common public don't get a proper channel to lodge their complaints with the police or get legal services from the police.

The project titled 'e-Patrol' tries to fix this issue. e-Patrol is a web based application which helps general public to raise complaints with the police in the comfort of their home online. The service helps the public to lodge complaints, apply for verifications and certificates, see the status of their complaint, download the FIR, when it becomes available etc.

CHAPTER 1 – INTRODUCTION

1.1 Background

The project titled 'e-Patrol' tries to fix this issue. e-Patrol is a web based application which helps general public to raise complaints with the police in the comfort of their home online. The service helps the public to lodge complaints, apply for verifications and certificates, see the status of their complaint, download the FIR, when it becomes available etc.

Any user can register and avail the services. Once logged in, a user can submit a new complaint or view the status and details of an existing complaint. The user can also apply for various certificates and permissions from this page. Approved certificates can be downloaded by the user.

The administrator could be a police personnel who would be responsible for the access and management of the online service. The admin can log in and view and

manage all the new complaints and certificates. Each complaints can be viewed and can be register as cases, if deemed so. The option to add FIR, when it becomes available is also present.

The service also maintains a list of wanted criminals, routine criminals, missing persons etc in its database for on-demand use and for the public.

A separate service is also available where any person can provide the police with complaints or inputs which may help the police while remaining anonymous.

This project do support the scope for expansion without altering the working of the existing services.

OVERALL DESCRIPTION OF THE PROPOSED SYSTEM

Existing System and Problem Definition

- Its manual process for earlier system.
- Its more time consuming for all process.
- Need for more resources.
- Physical presence of the user was required.
- Different request required different formats and requirements.

Proposed Solution:

- Reduces the time required for lodging a complaint.
- By using this application people can register their complaints in easy and proper format .They will also be well aware about their complaints progress. They can also provide feedback about their complaints progress weather they are satisfied or not.
- Also the user can apply for various certificates and permissions through this system and they will receive responses from the admin within couple of hours ,its depending on the needed item and you can also look your status about your requirements. These user complaints, needs requirements maintain by admin.

3.3 Software and Hardware Requirements

Hardware Requirements:

- System : Dual Core
- Hard Disk : 40 GB.
- Floppy Drive : 1.44 Mb.
- Monitor : 15 VGA Colour.
- Mouse : Logitech.

- RAM : 256 Mb.

Software Requirements:

Operating System	: Windows OS
Front-End	: HTML, CSS, JS, Bootstrap, JQuery
Back-End	: Angular JS, PHP, MYSQL
Server Tool	: WAMPP

CHAPTER 3 OVERALL DESCRIPTION OF THE PROPOSED SYSTEM

3.1 Product Perspective

This system is user-friendly application in all user and pwd officer

3.2 Interfaces

The application will have a user friendly and menu based interface. Following user interface pages will be provided.

3.3 System Features

In the life of the software development, problem analysis provides a base for design and development phase. The problem is analyzed so that sufficient matter is provided to design a new system. Large problems are sub-divided into smaller once to make them understandable and easy for finding solutions. Same in this project all the task are sub-divided and categorized.

System Modules:

➤ USER

- Login
- Register
- Post Complaint
- View complaint status
- Feedback
- Get Admin Contact details

➤ ADMIN

- The administrator has the full-fledged rights over the e-Patrol.
- Can create/delete cases.
- Can view the complaints.
- Can provide responses.
- Can change the status of the case.
- Insert new information and FIR to the case file.

3.3.1 Login Module

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user.

3.3.2 Registration Module

Another main function of our proposed system is registration, in order to register with the unique application details such as name; password, email, place and time are required.

USER

• Post Complaint

User posts their complaint through this application. The user can also apply for the certificates and permissions.

• View Status

User views the status about their complaint.

Admin

- **View Complaint**

Officer view the complaint details who posted the user complaint.

- **Update status**

Officer update status for user.

- **Maintain Database of Crime Files**

Admin can maintain a file of Wanted Criminals, routine criminals, missing people etc which can help with the overall quality of the service.