GUI FOR ONLINE CRIME REPORTING SYSTEM

END TERM REPORT

BACHELOR OF TECHNOLOGY
In
COMPUTER SCIENCE AND ENGINEERING

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INTRODUCTION

GRAPHICAL USER INTERFACE

GUI is a form of user interface that allows users to interact with electronics devices through graphical icons instead of text based user interfaces.
It is a user interface that includes graphical elements, such as windows, icons and buttons.

TKINTER

Tkinter is the standard python interface to the Tk GUI toolkit shipped with python. Python with tkinter is the fastest and easiest way to create the GUI application that's why it most commonly used method for developing GUI.

Tkinter is the only framework that's built into the python standard library. It's a cross platform, so the same code works on Windows, macOS and Linux.

ONLINE CRIME REPORTING SYSTEM

It is a GUI interface in which user first login with their basic details, and then he/she can report any crime from which he/she suffered or witnesses the crime.

Every organization face problems while storing and managing data in paperwork likewise, Police system also needed GUI interface for managing information of crime, police officers, criminals, so that their valuable data can be stored for the longer time with easy accessing and manipulation in data.

No formal knowledge is needed for the user to use in this system. Thus by this all it proves it is user-friendly.

Online crime reporting system is the easiest way for anybody to file a report, from anywhere around the world without coming to the respective area police station.

OBJECTIVE

- To implement what we have learnt throughout our course of python programming and use that to develop a Graphical User Interface (GUI) for Online Crime Reporting system.

- Online crime reporting system is the easiest way to report any complain and this is what this project aims for.

- To manage details of criminals, Crime-report, Police, Complains.

- To build an application program to reduce the manual work.

- To increase efficiency of managing the crime reports and users.

- To decrease the consumption of time in finding details and reports in records.

- To integrate all records of complain at one place.

MODULES OF ONLINE CRIME REPORTING SYSTEM

- Login Module
- Offence details Module
- Informant/Complainant Module
- Accused details as well as loss of life and property module
- Action Taken by Police Module

Login module:

In login module any Indian can login it using his/her unique Aadhar identification number and mobile number which can be saved for further references.

File report:

It is a pathway.

Offence Detail Module:

In this module informant needs to fill details of the Offence(Crime) like type, date, time and place of Occurrence and other necessary details.

Informant/Complainant Module:

In this module person who is filing a complaint has to give his/her details like father's name, DOB, Gender, nationality, occupation, address, so as to keep in contact for further investigation of the case.

Accused detail Module:

In this module, details of suspected, known/unknown accused are included. Also details of life and property (if any), total amount of loss and other necessary details are included.

Action Taken Module:

This module consists of information about the investigation on the case by the police, which included dispatch time and date to the court and reasons for delay/not started in investigation.

CONTRIBUTION INDEX

Kartik Vashistha -> Login Page, Welcome Page, Offence Details

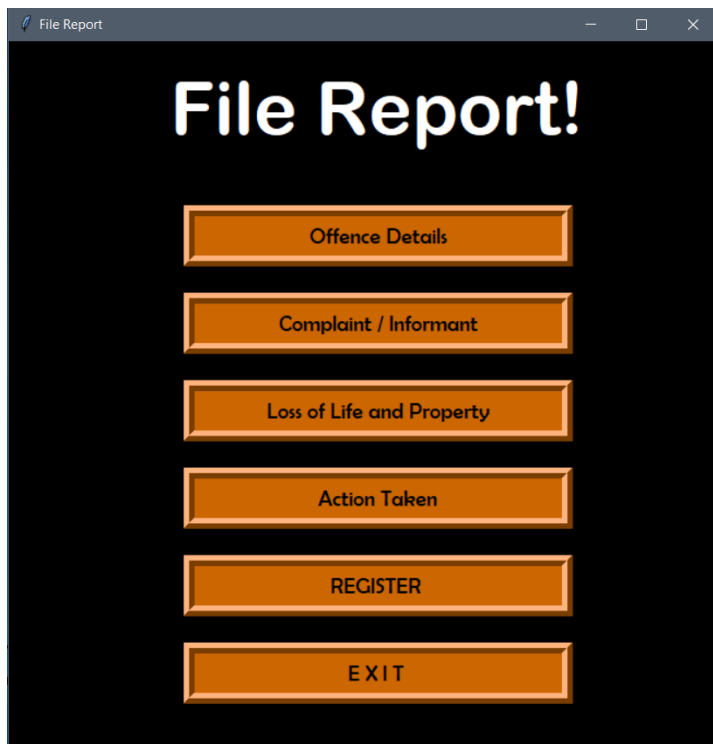-> Complainant/Informant Details, Accused Details Module

->Action Taken and Loss of Life and Property Module

Login Page:

Welcome Page:

Details of Offence Page:

Details Of Offence	— ☐ X
Informed P.S	Name	Address
Type of Crime	Select ⌐	Mention(Any Other)
Day and Date of Occurence	Select Day ⌐	Date(DD/MM/YY)
Time	From	To
Place of Occurence	Address	Locality
	District,State	Pincode

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Informant/Complainant Page:

Complainant/ Informant	— ☐ X
Name		
Father's / Husband's Name		Mobile No.
Date of Birth	DD/MM/YY	
Gender	○ MALE	⦿ FEMALE
Nationality	INDIAN	
Occupation		Mobile No.
Address		Locality
	District,State	Pincode

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Accused and loss of life and property Page:

Loss of Life and Property   — □ ×

Accused Details	(Details)
Inquest Report	(If Any)
Property Loss Particulars	(If Any)
Total Value of Property Loss	(In Rupees)
F.I.R Contents	(Details)

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Action Taken by Police Page:

Action Taken   — □ X

Investigation Started	⊙ Y E S	⊙ N O
Reasons For Delay	1.(If not started)	2.
Refused Investigation Due To	1.(If not started)	2.
Transferred to P.S.	Name	Address
Point of Jurisdiction		
Date and Time of Despatch to Court	Date(DD/MM/YY)	hh:min(AM/PM)

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Result:

We finally got the end product as a 'Crime Reporting System' that includes all the mentioned modules. We learnt how to make a GUI using Tkinter in Python.

This system offers the number of tools which helps you report everything about the offence including loss, action and more.

Reporting System will help the user to report about the offence. So that, Police can take necessary steps to find the culprit as soon as possible.

REFRENCES:

- https://www.geeksforgeeks.org/python-gui-tkinter
- https://en.wikipedia.org/wiki/Tkinter
- F.I.R copy of any offence from Rajasthan Police Station.