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**Software Project Management Plan
On
Text Processor For Identification Of Offences**

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Signature

The following signature indicates the approval of the enclosed Software Project Management Plan documentation.

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Proposed Changes :

Phase 1:

The following project initially to be deployed in English Language to detect only fraud IPC sections.

Phase 2:

The following project in phase 2 will be deployed in all regional languages to detect only fraud IPC sections.

Phase 3:

The following project in phase 3 will be deployed for all IPC sections detection.

Preface:

The purpose of this document is to provide a system that effectively manages and predicts the IPC sections charged on an accused. The system allows police to access and decide the IPC sections through this web application. And though by the help of this project we are going to convert the manual process by the automatic IPC sections generation according to the offences committed by the accused so it will be time saving for the police and they will simplify very complex tasks.

The key notion is that flexible, automatic approaches are used to detect patterns within the text, with a primary focus on making predictions on future data.

If one surveys the number of techniques available in Machine Learning(Natural Learning Processing) without any context, one can easily be overwhelmed in terms of the sheer number of approaches, as well as the various tweaks and variations of them. However, the specifics of the techniques are not as important as more general concepts that would be applicable in most every Machine Learning setting, and indeed, many traditional techniques as well. While there will be examples using the Python environment and descriptions of a few specific approaches, the focus here is more on ideas than application and kept at the conceptual level as much as possible

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Overview :

The system effectively manages and predicts the IPC sections charged on an accused. The system allows police to access and decide the IPC sections through this web application. And though by the help of this project we are going to convert the manual process by the automatic IPC sections generation according to the offences committed by the accused so it will be time saving for the police and they will simplify very complex tasks.

With help of this application the faith on this legal process will also have been tried to regenerate and provide a fair decision and to avoid any mistake done by the manual hands and it avoids the usage of influence to misguide the case.

1.PROBLEM DOMAIN

Keeping an account of the number of offences being coming on a daily basis, and deciding the IPC sections according to the charge-sheet crated on the basis of FIR. And also keeping a track record of criminals committing crimes frequently

2.SOLUTION DOMAIN

This system provides a better, permanent, non-redundant record of everything to the respective authorities, helping them to manage the crime

record and predict the IPC sections accordingly. It will also allow the authorities to know the frequent crime committing criminals beforehand which helps them decide whether they want to go or not against the bail grant of the accused and look for other available options as well. Handling of data becomes easy and the system provides much efficient and speedy decision making.

3.SYSTEM DOMAIN

The project is based on Web Development and Machine Learning which uses tools like NLP and works on Python with HTML and CSS, the database is handled with MySQL, and the system works in the environment provided by Django.

1.1 Project Summary

1.1.1 Purpose, Scope, and Objectives

The purpose of the project is to analyze the requirement of, design, implement, and maintain the software for both the administrator and users.

This web-based app is intended to solve the problem of IPC sections generation according to the offence is a tedious process. The application is used to track the offence of the accused in a systematic manner automatically. The development of the application reduces the inefficiency in this process. So, before developing the tool it is necessary to determine the time factor, integrity and security of the system. Once these things are satisfied, then the next step is to determine the operating system and language can be used for developing the tool. Many systems and applications have been planned to be developed in this regard to automatically solve the legal problems and would reduce the pending

cases in the country' judiciary system, but almost none of them has been practically implemented till now the whole requirements and none application is present like this till now.

Nowadays, this process is generally carried on by several and tedious processes, which many times makes a question mark on our legal process. Using this automatic IPC Sections generator for the legal process will also do the work of the faith regenerator of the legal process of the country.

The Chief Justice of India, Mr. SA Bobde, had also highlighted the need to harness the use of Machine Learning and Artificial Intelligence in judicial decision-making for quicker delivery of justice. His statements: "I believe exploring this interface would be immensely beneficial for many reasons. For instance, it would allow us to streamline courts caseloads through enabling better court management. This would be a low-hanging fruit. On the other end of the spectrum, it will allow us to shift the judicial time from routine-simple-straightforward matters (e.g. cases which are non-rivalries) and apply them to more complex-intricate matters that require more human attention and involvement," Justice Bobde said, delivering a speech at a felicitation function organized at the Supreme Court by lawyers.

The objectives of the project are as follows:

- Complete the project by the project due date.
- Provide all the deliverables to the client by the project due date.
- Fulfill all the requirements, as in the SRS, of the software deliverable.

1.1.2 Assumptions and Constraints

The project will be planned with the following assumptions:

- this project is a component of larger project(web app of an organization)
- It will deliver the software component of the larger project.

- This system needs a web server on which the system is being run and other computers via the Internet.
- A well organized document is required at the end of this project in order to explain the functioning of the project.

1.1.3 Project Deliverables

All the items listed in this subsection are the deliverables requested by the client prior to the completion of the project.

- Software program
- Software Documentation
 - Installation Documentation
 - End-user Documentation
 - Future update documentation
- Installation of the software program and associated functionalities.
- Software Training
- Project Documentation
 - Software Requirement Specification
 - Software Design Specification
 - Software Project Management Plan

1.1.4 Schedule and Budget Summary

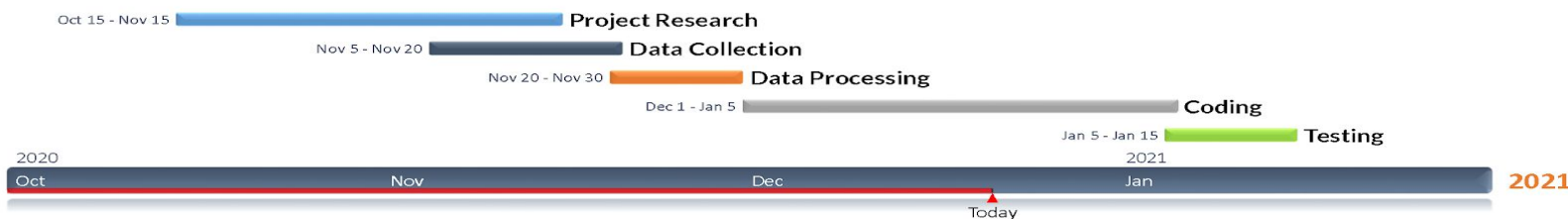
Schedule:

- Delivery of the baseline project: 21 December 2020
 - SRS - 21 December 2020
 - SDD - 21 December 2020
- Software Product ready for operation: 31 January 2021

- Project completion:

Task	Start	End
Project Research	15-10-2020	15-11-2020
Data Collection	05-11-2020	20-11-2020
Data Processing	20-11-2020	30-11-2020
Coding	01-12-2020	05-01-2021
Testing	05-01-2021	15-01-2021

Gantt chart:



Budget:

- It will comprise the expenses:
 - Hardware and software required in its development.
- Initially the project cost is zero due to usage of publically available softwares.

References :

- [1] IEEE standards for writing synopsis
- [2] Wikipedia(www.wikipedia.org)
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- [4] Github
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