SRE Batch c406- (Team 1)

ABSTRACT

PROJECT-TITLE: IPC-NEXUS

Due to unavailability of legal experts in Police stations, whenever a complainant comes to police with his/her complaint to get a First Information Report(FIR) written sometimes police make mistakes in writing all the sections/acts due to which problems arise in the investigation later on.

**Description**: Whenever a complainant comes to the police station with his/her complaint to get the First Information Report written, the investigating officer sometimes due to ignorance or lack of experience is not able to follow the provisions and the First Information Report remains deficient. Due to which, later on, problems arise in the investigation and justice gets affected, as legal experts are not posted at police stations. If there will be any such software or app which can use Artificial Intelligence (AI) and immediately provide us the information regarding appropriate and correct sections and acts, as per the incident of the complainant. So there will be no errors regarding the sections and acts under the First Information Report and the investigation and justice will not be affected and will help in investigation.

Our project assists law enforcement in drafting accurate **FIRs** using **AI-powered NLP**. By analyzing case descriptions, it suggests relevant **IPC, CrPC, and Special Laws**, reducing errors from legal ambiguity.  
Built with a **scalable DevOps approach**, it uses **Docker for containerisation, Kubernetes for orchestration of those containers, and Jenkins** **for automation**.

The **React frontend** ensures ease of use, while the **Flask/FastAPI/Node.js backend** processes data and integrates with a **MySQL/Mongo DB database**.  
By combining **AI, SQL, React, and DevOps**, the system enhances **legal accuracy, efficiency, and accessibility**, improving the **criminal justice process**..

**Reference:** [**https://www.sih.gov.in/sih2024PS**](https://www.sih.gov.in/sih2024PS)