Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: **Ministry of Law and Justice**

PS Code: **SIH1282**

Problem Statement Title: **Tech-Driven Solutions for Undertrial Prisoners in India**

Team Name: **Justice Squad**

Team Leader Name: **Tanay Phatak**

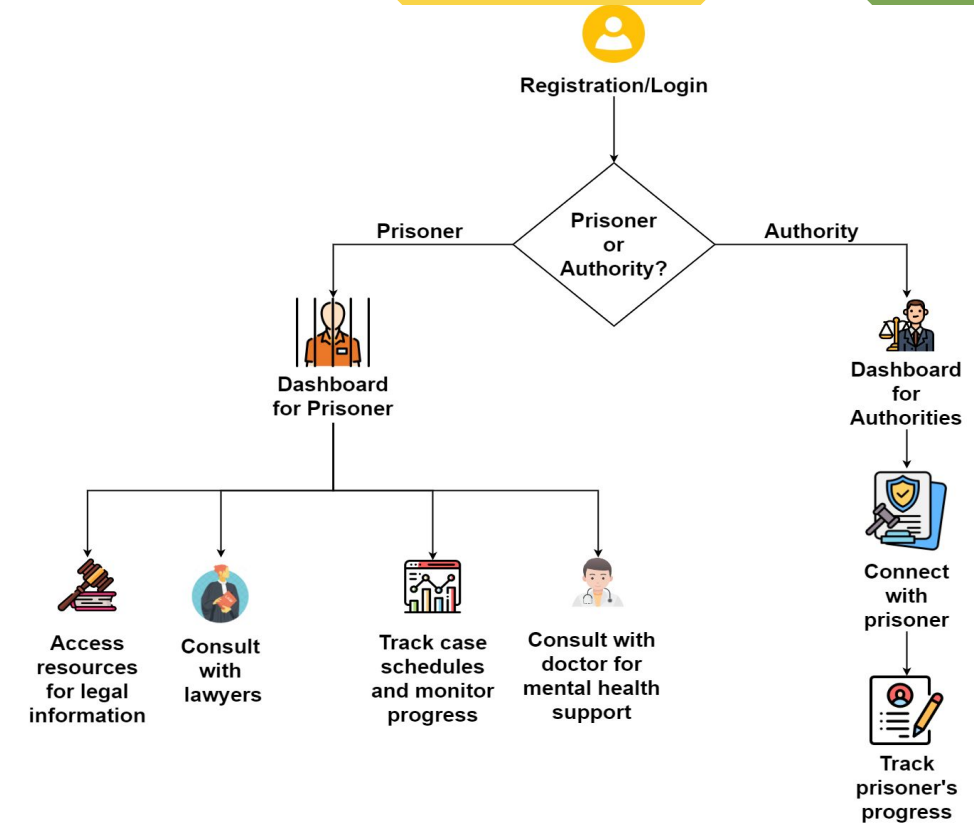**Institute Code (AISHE):** **C-3185**

Institute Name: **Vivekanand Education Society's Institute of Technology (VESIT)**

Theme Name: **Miscellaneous**

Idea/Approach Details

Project Idea Description:

- A user-friendly mobile application that provides access to legal resources, including relevant laws, court precedents, and legal aid documentation for undertrial prisoners and their support-persons.

- A centralized platform that utilizes AI algorithms to match prisoners' cases with suitable lawyers and legal resources and facilitates video consultations between prisoners and their legal representatives.

- A personalized rehabilitation program that will offer educational modules, vocational training and mental health support to prisoners.

- A dashboard accessible to lawyers, judges, and prison authorities for tracking and monitoring the status and progress of undertrial prisoners providing real-time updates on court proceedings, case developments, and rehabilitation progress.

- A virtual platform that provides educational content on the rights and provisions relevant to undertrial prisoners including video tutorials, articles, and interactive quizzes to improve prisoners' awareness of their legal rights.

- The app will support a range of languages that are commonly spoken in India like Hindi, English, Marathi, Tamil, Telugu, Kannada, Punjabi etc.

- Proxy server implementation that eliminates prisoner's access to external network and provides traffic monitoring facility to prison authorities.
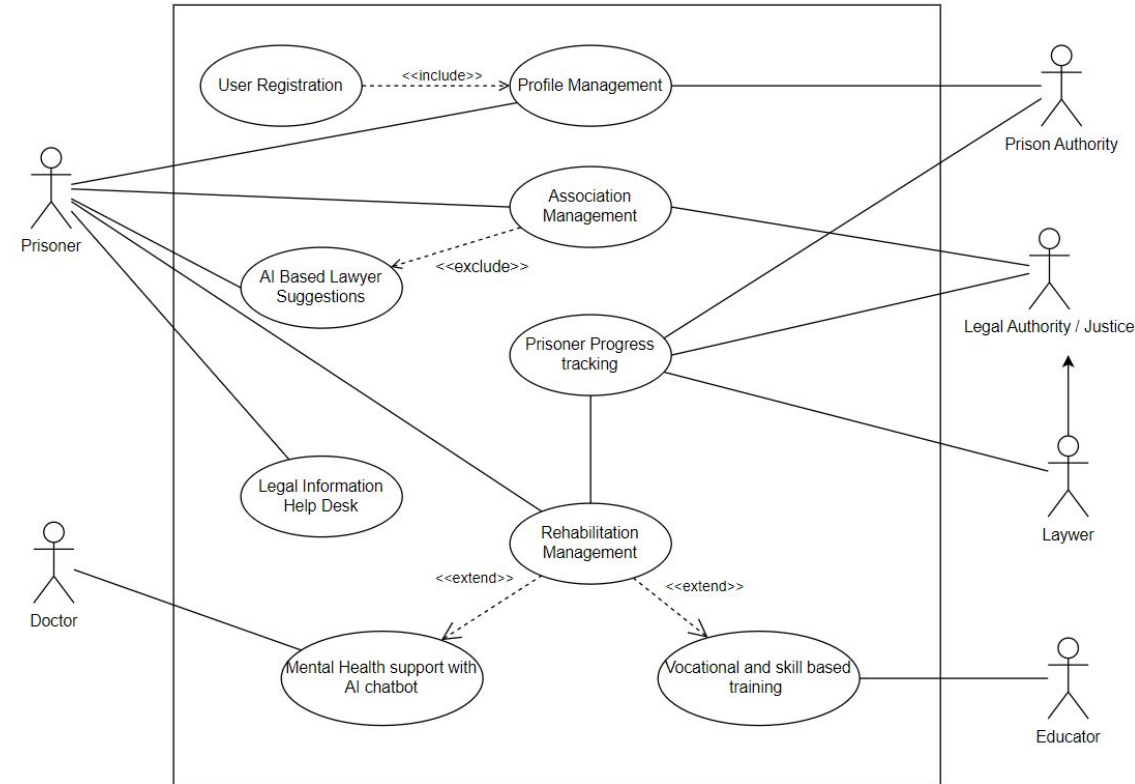

Technology Stack:

- Frontend: Flutter

- Backend: Node.js

- Database: MongoDB

- Chatbot: Chatbot APIs

- Development Tools: VSCode, Figma

Idea/Approach Details

Use Case Diagram:

Dependencies:

- Access to Legal System
- Access to Rehabilitation Centers

- Connections with Pro Bono Lawyers
- Sources of legal information

UI Prototype Video (with explanation): **Youtube Link** / **Drive Link**

Team Members Details

Team Leader Name: **Tanay Phatak**

Branch: **BTech**   Stream: **CSE**   Year: **IV**   Skills: **Web Dev., Django, Node.js, ML, DL, Blockchain, Python, Java, C++, JS**

Team Member 1 Name: **Figo Cardozo**

Branch: **BTech**   Stream: **CSE**   Year: **IV**   Skills: **Web Dev., Django, ML, DL, Cyber Security, Flutter Dev., Python, Java**

Team Member 2 Name: **Drishti Samvedi**

Branch: **BTech**   Stream: **CSE**   Year: **IV**   Skills: **Web Dev., Django, ReactJs, SQL, Flutter, Java, Python**

Team Member 3 Name: **Tanmay Thakare**

Branch: **BTech**   Stream: **CSE**   Year: **IV**   Skills: **ML, DL, NLP, Blockchain, Solidity, Figma, Flutter Dev., Python**

Team Member 4 Name: **Vansh Pahuja**

Branch: **BTech**   Stream: **CSE**   Year: **IV**   Skills: **Web Dev., Django, SQL, GraphDB, NLP, C++, Python, JavaScript**

Team Member 5 Name: **Gautam Wadhwani**

Branch: **BTech**   Stream: **CSE**   Year: **IV**   Skills: **Flutter Dev., Data Analysis, DBMS, SQL, Python, Java**

Team Mentor Name: **Mrs. Priya R L**

Category: **Academic**   Expertise: **AI & ML, DL, NLP, Web Engineering**   Domain Experience (in years): **14**

Certifications of Team Members: https://drive.google.com/drive/folders/1UGVmz9LEnkrUrxCFAkYhq8oTa3FvYxrB?usp=drive_link