



HACK2SKILL



HARYANA POLICE

HACKATHON

Reinventing Youth Communication



Team Name: Code Rangers

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Problem Statement: **Cracking the Code to Youth Engagement**

College/Organisation Name: Chandigarh University



Problem Statement Understanding

- Referencing a report by [The Times of India](#), Haryana faced a stark reality in 2018 with **86 reported deaths** due to a surge in **opioid overdoses**. This alarming scenario likely represents only the tip of the iceberg, with **numerous unreported cases**.
- There's a serious issue of drug abuse in our communities, and **many people are affected**. The current challenge lies in overcoming the fear that discourages individuals from reporting drug abuse incidents due to concerns about their safety and anonymity.
- While the NCB's dedicated helpline offers anonymous reporting, we aim to bridge the gap by providing a more accessible, tech-driven platform with superior anonymity using **blockchain** technology.

SUICIDES BY GOVT STAFFERS: HARYANA 5TH			
<p>As per NCRB data, number of suicides by government servants in Haryana is fifth highest among all the states. The majority of suicides committed by government servants were reported in Maharashtra (231 out of 1,707 suicides), followed by Tamil Nadu (173 suicides), Madhya Pradesh (155 suicides), Karnataka (137 suicides) and Haryana (124 suicides), which accounted for 13.5%, 10.1%, 9.1%, 8.0% and 7.3% of total such suicides, respectively.</p>		Drug Abuse Claims Lives	
		State	Deaths
		Rajasthan	153
		MP	94
		Karnataka	91
		UP	88
		Haryana	86
		Punjab	78
		HP	14
		J&K	4
		Deaths Due To Spurious Liquor	
		State	Deaths
		MP	410
		Karnataka	218
		Haryana	162
		Punjab	159
		UP	78
		Chhattisgarh	77
		Rajasthan	64

Source: NCRB Report 2018

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Two-Thirds of Americans Say Their Lives Have Been Affected by Addiction: Poll
By Steven Reinberg HealthDay Reporter. (HealthDay). TUESDAY, Aug. 15, 2023 (HealthDay News) — Millions of Americans are addicted to drugs...
15 Aug 2023

Problem of drug abuse among adolescents likely to explode in next decade: Study
India News: NEW DELHI: The problem of drug abuse is likely to explode in the next decade, particularly affecting children in the 10-17 age...
3 May 2023

Patiala shocker: Drug addict kills mother, chops body into 2: sets it on fire
Neighbours say the accused, Gurwinder Singh, who is in his early 20s, committed the crime as his mother refused to give money for drugs.
2 Jul 2023

Drug Addiction related news

Brief about the Idea/Prototype

- In our commitment to combat drug abuse, we present a comprehensive solution through both a user-friendly **website** and an innovative **app**, aimed at empowering communities and bolstering law enforcement efforts.
- Connecting Youth Voices to Proactive Response: Website empowers youth. In essence, the website's positive uses lie in its community-driven reporting, preventative AI analytics, and user-friendly support services, all contributing to a holistic approach in addressing drug-related issues.
- Our **Android app guides authorities (exclusively for the officials)** in tackling drug abuse. The uniqueness of the solution lies in its combination of cutting-edge technologies like **Machine Learning** and **NLP**, anonymity features, and proactive prevention strategies, making it a pioneering platform geared towards making a substantial impact in fostering a drug-free and supportive community environment.
- One of the key positive aspects is the emphasis on **user anonymity**, fostering a **safe and judgment-free environment** for individuals to **report drug-related incidents** or seek help without fear of identity exposure.

Proposed Solutions

We present a holistic solution, integrating a **user-centric website** and an **advanced app (for authorities)** .
Functionalities of them are explained below :

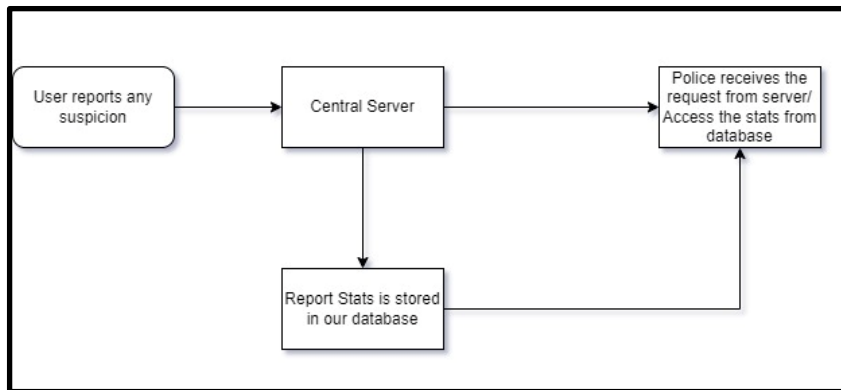
Website Functionality and USPs

- **Anonymous Reporting** : Empower users to be silent heroes, contributing to community safety by anonymously (**Blockchain**) reporting incidents through the secure platform.
- **One-Click Location Share** : Enhance reporting efficiency with a simple tap, as it ensures a rapid response by instantly sharing precise locations of reported incidents.
- **AI-Powered State of Mind Test** : Predict risks and promote self-awareness, utilizing AI to personalize content based on user responses, aiding in addiction prevention.
- **Anonymous Content and Chatbot** : Create a safe haven for users seeking support, featuring a 24/7 chatbot and curated content to navigate the journey to recovery anonymously.

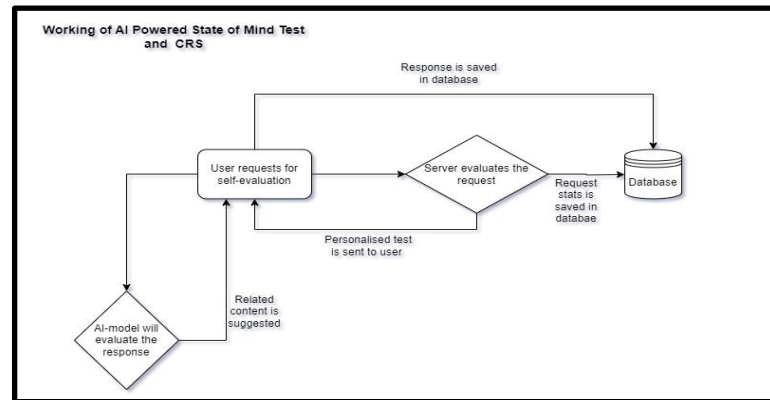
App Functionality:

- **Comprehensive Dashboard** : Transform data into actionable insights, offering law enforcement a dynamic dashboard for real-time visualization and detailed case analysis.
- **Spontaneous Alerts** : Stay ahead in tackling drug abuse, providing instant notifications to law enforcement on reported activities for swift and effective response.
- **Visualized Data Analysis**: Revolutionize decision-making, translating complex data into visual narratives to enhance law enforcement's analysis and response strategies.
- **Employing Artificial Intelligence** : For Automatic Spam Identification, our app ensures a secure and efficient reporting mechanism for law enforcement.

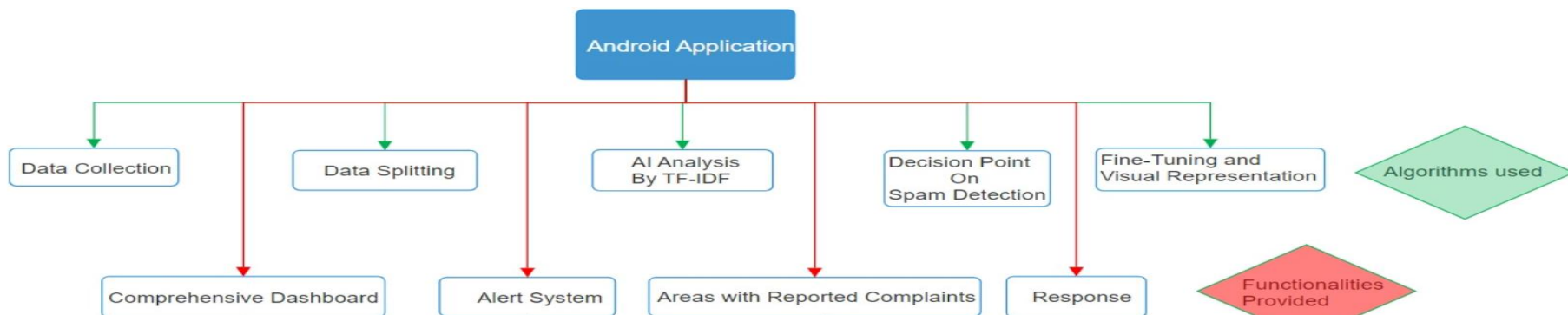
Architecture/Flow diagram of solution



Work Flow of Reporting System (website)



AI-powered State of mind Test predicts your chances of getting drug addicted





Tech Stack used

Frontend: React.js
HTML
CSS
JavaScript

Backend: Node.js
Express.js
MongoDB
Socket.io
Python (for ML integration)
Flask (for ML integration)

Security: HTTPSOAuth

Machine Learning: Python TensorFlow

Database Technology: MongoDB

Other Technologies : NLP
Deep Learning
Prompt Engineering



GitHub Repository Link of the prototype

The link for our Github Project Repository is as follows :

<https://github.com/ShivamMehta161/CodeRangers-HaryanaPoliceHackathon2023>



Demo video link

Youtube video link for our idea explanation is as follows :

https://youtu.be/X39dglL5Pnc?si=CjG3HBOGatcKI_YJ

Drive link for same video of our idea explanation is as follows :

https://drive.google.com/drive/folders/1w2xiuuBsXhEW_YAsAtNA9tOB1RgKDHAJ



हरियाणा राज्य
स्वापक नियंत्रण ब्यूरो
HARYANA STATE
NARCOTICS CONTROL BUREAU



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THANK YOU