Smart India Hackathon 2024

Team name: Coder Czars

Team Leader Name: Ishaan Singh Mahiyariya

Institute name: Shiv Nadar University

Theme Name: ▯▯▯▯▯ ▯▯▯▯▯▯ ▯▯▯▯▯▯▯▯▯ - ▯▯▯▯▯▯▯▯▯▯ ▯▯▯▯▯ ▯▯▯▯ ▯▯▯▯▯▯ ▯▯▯▯▯▯▯

Idea

जननी is a cutting-edge safety app designed to protect women by providing immediate assistance in emergencies. With a simple tap, it alerts your emergency contacts, local police, and hospitals with your exact location. At night, SafeStride guides you along the safest, well-lit routes, avoiding dark or isolated areas. It also features a sophisticated stalker detection system that monitors for unusual tracking patterns and sends alerts if suspicious activity is detected. All data is encrypted to ensure your privacy, and the app operates discreetly to maintain a low profile. SafeStride combines real-time safety measures with advanced technology to offer peace of mind and protection wherever you go.

CODE CZARS

THE CODING ELITE

Problem Statement ID: 1605

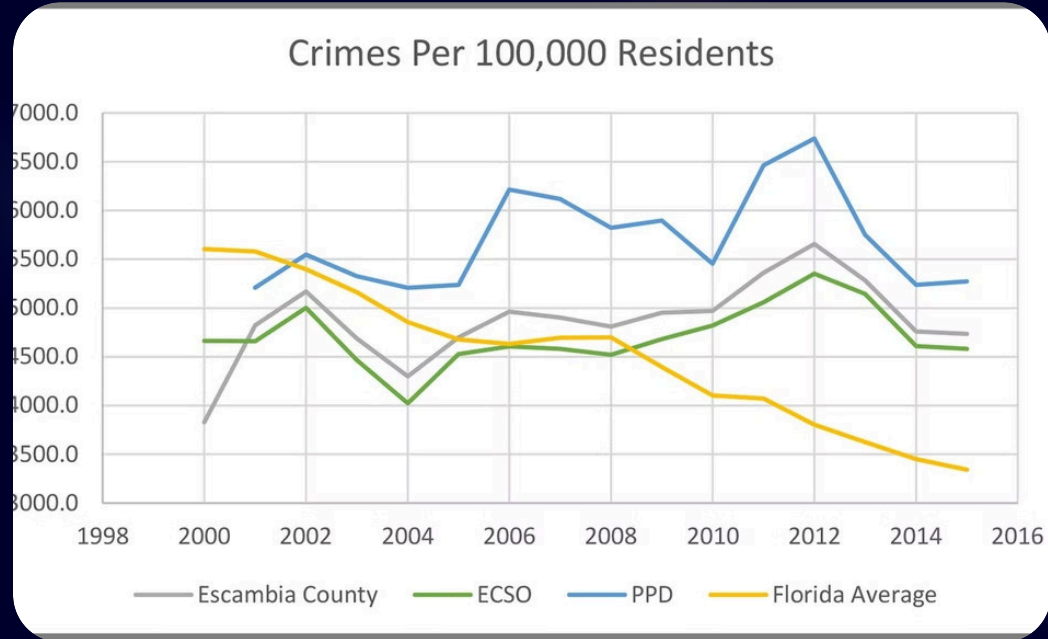# महिला सुरक्षा विश्लेषण – वास्तविक समय में खतरे का पता लगाना

It creates safer environments for women and assist law enforcement in effectively addressing and preventing crimes against women. The proactive approach of detecting anomalies and generating alerts can play a crucial role in enhancing public safety and fostering a secure atmosphere for women.
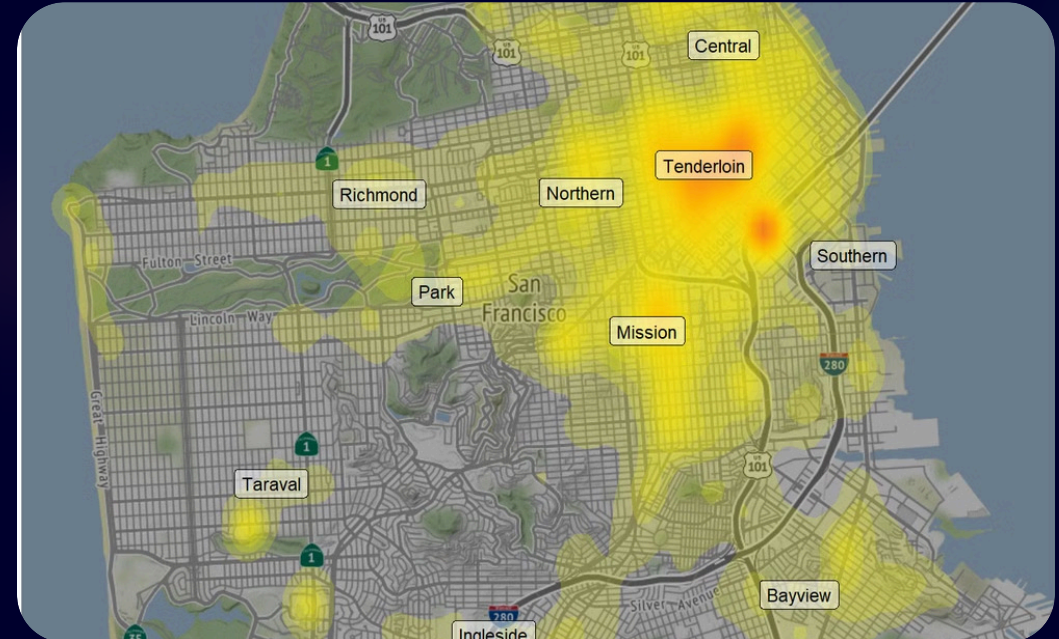
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India has seen a troubling rise in rape cases, exposing deep-rooted issues of gender violence and systemic failure. Despite reforms and awareness efforts, the increase highlights the urgent need for stronger law enforcement, victim support, and cultural change to effectively combat this crisis. In today's world, a safety app for women is essential. It can offer real-time location tracking, emergency alerts, and direct links to authorities, helping women feel secure and empowered. By providing immediate access to support and safety resources, our app जननी can significantly enhance personal security and confidence.

Graphs and Visualizations
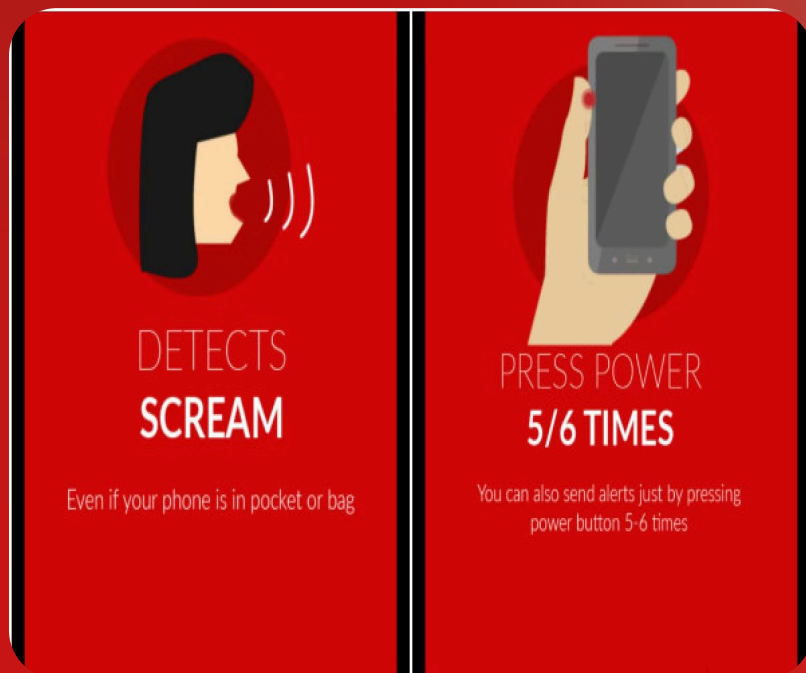

Crime Rate Trends

Line charts visualize crime rate trends over time, helping to identify patterns and potential hotspots.

Crime Density Heatmaps

Heatmaps depict crime density in different areas, providing users with visual insights into safety levels.

DETECTS
SCREAM
Even if your phone is in pocket or bag

PRESS POWER
5/6 TIMES
You can also send alerts just by pressing power button 5-6 times

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1 Emergency SOS

Allows users to send distress signals to emergency contacts with their location details.

2 Safe Route Navigation

Provides users with safe route options based on crime data and real-time traffic conditions.

3 Identifying a lone woman at night time

Monitors devices within a specified range and provides alerts if in an isolated location or when a device remains in proximity for an extended period.

4 Nearby police stations and hospitals

Provides you location and phone number of nearby police station and hospital.

5 Detects Scream

Activates the sos features with safe word screams, even if your phone is in your pocket or bag.

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Notification and Alert System
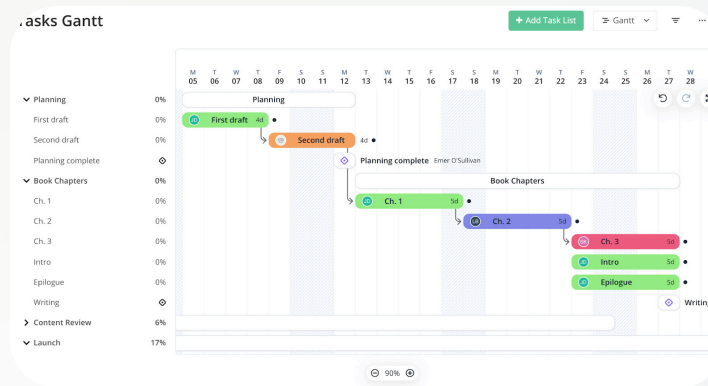
1 Push Notifications

Real- time alerts are send to the emergency contacts, nearby police stations and hospitals on triggering the app.

2 Isolation and stalking alert

Notifies you when you're in a secluded area or if a device remains within range for an extended period, indicating potential tracking or prolonged proximity.

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Phase 1: Ideation

Brainstorming and selecting a project idea based on the theme "Women safety" . Team discusses their goals, target users, and potential solutions.

Phase 3: Design

- Sketching wireframes, creating mockups, and planning the overall look and feel of the project.

Phase 5: Testing

Evaluating the project for bugs, usability issues, and performance. Debugging, user testing, and refining the project based on feedback.

1   2   3   4   5   6

Phase 2: Planning

Outlining the project scope, defining tasks, setting milestones, and assigning roles. Creating a timeline and deciding on the technologies and tools to use.

Phase 4: Development

Writing code, building features, and integrating components. Focus on implementing core functionalities and ensuring the project meets the initial objectives.

Phase 6: Presentation

Preparing a demo and pitch for the final presentation. Showcasing the project, explain its features and benefits, and highlight its impact or innovation.

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Team Members

Group leader— Ishaan Singh Mahiyariya

Coded By— Hans James, Ramneek Singh, Rishika Gupta

PPT— Kashish, Archit Gupta

Thank You

We appreciate your time and look forward to your feedback on this exciting project.