

Anuraksha

Your one-click companion during emergencies

Team Name
Team Anuraksha

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Track
Open Innovation



Problem Statement

The need for a local responders network for swift help during an emergency via accessible technology

Problem Elucidation

Existing support systems fall short during emergencies, leaving individuals and their close ones overwhelmed. Immediate help is necessary, yet lacking. There is a need for a network of rapid responders within local communities, facilitated by accessible technology.

Existing emergency systems remain fragmented, underutilized, and lacking integration, hindering faster and more reliable assistance where it's most needed.

Objective

- To develop a robust local responders network leveraging accessible technology, addressing the deficiencies in existing emergency support systems.
- Providing features such as SOS alerting with location tracking, a rapid volunteer response network, and direct connection to emergency contacts, our solution aims to ensure swift help during emergencies.
- Incorporating data storage for future analysis and generating heatmaps of high-risk areas, we seek to enhance long-term prevention efforts and contribute to community-wide safety improvements.
- Keeping contacts informed, rallying nearby helpers swiftly, and promoting targeted interventions for better emergency management.



Features

01.

SOS Alerting with Location Tracking

02.

Rapid Volunteer Response Network

05.

Generating Heatmaps for more fatal areas for the authorities to work upon.

03.

Direct Connection to Emergency Contacts

04.

Data Storage such as time, location, etc for future reference and analysis

Tech Stack

- Frontend

- React.js
- Typescript
- Tailwind CSS
- Redux

- Backend

- Node.js
- Express.js
- GraphQL

- Monitoring

- AWS Cloudwatch
- Grafana
- Pm2

- Data and Storage

- AWS RDS (PostgreSQL)
- AWS S3
- Local/Session Storage

- Infrastructure

- Route53
- Cloudflare
- Nginx
- EC2 Instances
- AWS Cloudfront CDN

- API Services

- Google Maps API/SDK
- Messaging APIs (Fast2SMS, Ultramsg, Twilio)
- Browser API's

**Thank you
very much!**