RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS:: ONGOLE
Department of Computer Science Engineering

Name of the Program   : SMART INDIA HACKTAHON

Year   III

Project Title   : Disaster Management

ABSTRACT:

Introducing the AI - Enhanced Disaster Management Application , a powerful solution that uses AI to improve disaster management. It provides up-to-date , accurate information in emergencies. Here is a quick overview:

Our approach involves:

- Using AI for real-time disaster alerts , weather updates , and news.
- Providing tools for locating shelters, hospitals, and coordinating volunteers and donations.
- Supporting animal rescue , offering emergency contacts , transport information , and health and safety guidelines , including CPR and first-aid instructions.
- Ensuring offline access to essential features during connectivity issues.
- Benefits include real-time AI-driven updates , improved resource management , and streamlined donations and volunteer coordination with offline access and health guidelines.

Benefits of the Solution:

- *Real-Time Alerts***:** Timely alerts improve disaster response.

- *Animal Rescue Operations***:** It enhances animal rescue efficiency.

- *Shelter Coordination***:** Digital tools streamline shelter management.

- *Health and Safety Guidelines***:** Essential for effective response.

- *Offline Functionality***:** Ensures app access during outages.

Tools Used:

1. *AI Tools:* TensorFlow , PyTorch
2. *Languages & Frameworks***:** Python , JavaScript , React Native
3. *Cloud &Databases***:** AWS , Google Cloud, SQL
4. *APIs & Offline Access:* GPS , Weather APIs, Service Workers
5. *Security & Design***:** OAuth , HTTPS , Adobe XD, Figma , HTML ,CSS , java script

OVERVIEW OF APP:

PROJECT ASSOCIATES:

SIGHAKOLLI BALA SAI GAYATHRI   (228A1A4223)

SHAIK SHAHEERA   (228A1A4221)

PINNIBOYINA NAGAMANI   (228A1A4217)

PUNURI HARSHITHA   (228A1A4218)

SWARNA MAHATHI REDDY   (228A1A4225)

SHAIK RIZWANA   (228A1A4220)

Project Mentor:

E.Akhil Babu