Project Proposal

Course: 3112 – Software Engineering Lab
Instructor: Dr. Sarker Tanveer Ahmed Rumee
Project Title: RescueTrack – Disaster Response Coordination System

Project Overview

RescueTrack is a real-time disaster response coordination system designed for NGOs and emergency teams. It is especially critical during natural disasters such as floods and earthquakes, where efficient and timely coordination can directly save lives. The platform combines live GPS tracking, route optimization, secure communication, and volunteer task management into a unified system.

Why This Project?

Natural disasters demand rapid response and dynamic resource coordination. Current systems often lack integration or real-time capabilities. **RescueTrack** addresses this gap by providing a cohesive platform that ensures situational awareness and team synchronization.

Core Features

- **Live Crisis Map**

- **Resource Allocation System**

- **Chatting Option for volunteers with victims**

- **Volunteer Management for efficient resource and rescue managment**

Team Members:

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