■ State-Level Buildathon – Team Roles & Responsibilities ■

Mahesh – Frontend Engineer (The Face of the Operation)

- Design and implement the frontend layer (UI/UX).
- Build a live real-time incident dashboard (with WebSockets).
- Dashboard should include: Incident ID, Source, Status, Severity.
- Create a detailed incident case view with AI Core's JSON output.
- Develop a Chat UI to demo the RAG Safety Assistant chatbot.
- Collaborate with Naseer for APIs and Deva for chatbot integration.

Naseer – Backend Engineer (The Hub of Communication)

- Own the complete backend and database design.
- Define clean schema for incidents, rescue teams, and dispatch jobs.
- Provide APIs for creating, updating, and fetching incidents.
- Enable rescue team queries and assignment workflows.
- Ensure AI Core and frontend communicate only through your APIs.
- Optional: Implement live GPS tracking of rescue teams if time allows.

Deva – Ingestion & RAG Engineer (The Bridge)

- Integrate WhatsApp & SMS using Twilio or similar services.
- Setup webhooks to capture text, images, audio, and sender details.
- Forward all captured inputs directly to AI Core's /analyze API.
- Build a RAG pipeline using NDMA SOPs to deliver guidance.
- Ensure natural chatbot flow via OpenAI LLM.
- Collaborate with Mahesh to integrate chatbot into the UI.

Ramesh – AI Core Architect (The Brain)

- Build the AI Core with a 3-agent system:
- Scribe → Convert raw input into structured format (text/audio/images).
- Analyst → Classify disaster type, severity, and urgency.
- Orchestrator → Validate incidents, assign nearest rescue teams, generate JSON.
- Expose a single /analyze API endpoint to handle the full pipeline.
- Generate JSON powering Mahesh's dashboard and Deva's chatbot.