



Theme

“ CrisisNet: Rapid Disaster Response & Aid Coordination. ”

❖ Theme Overview

CrisisNet: Rapid Disaster Response & Aid Coordination focuses on designing technology-driven systems that enable fast, reliable, and coordinated responses during disasters and large-scale emergencies. Natural calamities such as floods, cyclones, landslides, earthquakes, and man-made crises often expose critical gaps in communication, coordination, and resource distribution. Delays, misinformation, and fragmented response efforts significantly increase human suffering and loss of life.

This theme encourages the development of centralized, intelligent, and inclusive digital solutions that support emergency alerts, rescue coordination, relief material management, and public awareness. By integrating modern technologies such as web platforms, real-time data systems, multilingual communication, geolocation services, and analytics, CrisisNet aims to strengthen disaster preparedness, response efficiency, and recovery processes.

❖ Relevance and Need

In disaster situations, every second matters. However, real-world challenges such as :

- delayed emergency alerts,
- language barriers in warning messages,
- lack of unified command systems,
- poor coordination between rescue teams and hospitals,
- uneven distribution of relief materials, and
- spread of misinformation

often reduce the effectiveness of response efforts.



SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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DTE Code No: 3423 | Recognized under Section 2(f) of the UGC Act 1956 | Minority Status (Hindi Linguistic)

CrisisNet addresses these challenges by promoting solutions that ensure:

- clear and timely dissemination of information,
- better coordination among authorities and responders,
- efficient utilization of resources, and
- increased public awareness and trust during emergencies.

❖ Alignment with UN Sustainable Development Goals (UN-SDGs)

- **SDG 11 – Sustainable Cities and Communities**

CrisisNet contributes to building safe, resilient, and inclusive communities by improving disaster preparedness and response systems. Rapid alerts, structured rescue coordination, and effective aid delivery reduce damage to lives, infrastructure, and livelihoods, enabling communities to recover faster and more sustainably.



- **SDG 13 – Climate Action**

With climate change increasing the frequency and intensity of disasters, CrisisNet supports climate resilience by enabling data-driven responses to floods, cyclones, heatwaves, and extreme weather events. Efficient disaster management systems help minimize climate-related losses and support adaptive strategies.



- **SDG 16 – Peace, Justice, and Strong Institutions**

CrisisNet promotes transparent, accountable, and efficient institutional response mechanisms during crises. Centralized platforms reduce misinformation, prevent mismanagement of aid, improve coordination among agencies, and strengthen public trust in emergency governance systems.

