

## **FEASIBILITY STUDY (AIDLINK-Disaster Management System)**

Technical, Economical & Operational Feasibility Study

### **How would the organization cope if this system was not implemented?**

Without the AIDLINK Disaster Management System, the organization would face significant challenges in disaster response. Coordination between local and global organizations would be manual and less efficient, leading to delayed response times, resource misallocation, and potentially higher casualties and damage during disasters.

### **What are the problems with current processes and how would a new system help alleviate these problems?**

Current issues include fragmented communication, resource tracking difficulties, and delayed information dissemination during disasters. The new system automates coordination, provides real-time resource monitoring, and enables efficient communication, leading to a faster and more effective disaster response.

### **What direct contribution will the system make to the business objectives and requirements?**

The system will directly contribute to more effective disaster mitigation and recovery by optimizing resource allocation, reducing response times, and enhancing collaboration between local and global organizations. This will ultimately save lives, minimize damage, and improve disaster management outcomes.

### **Can information be transferred to and from other organizational systems?**

Yes, the AIDLINK Disaster Management System will be designed to facilitate data exchange with external systems, such as emergency notification systems, government agencies, and international relief organizations, to ensure seamless integration and information sharing.

**Does the system require technology that has not previously been used in the organization?**

No, the system primarily leverages well-established technologies such as web development (HTML/CSS), the Django framework for the backend, and standard security protocols. It does not require the adoption of radically new or untested technologies.

**What must be supported by the system and what need not be supported?**

The system must support critical features such as geographical mapping, resource monitoring, real-time updates, and resource requests. Optional features like social media integration can be considered but are not essential to the core functionality of the disaster management system. The primary focus is on efficient resource allocation, communication, and collaboration among stakeholders.