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(57) Abstract :

The invention relates to a computer model for smart disaster management decision support that integrates multiple functional units for real-time disaster handling. The system comprises a data acquisition unit (101) for gathering heterogeneous data, a predictive analytics engine (102) for forecasting events, a resource optimization module (103) for efficient allocation, a communication and alert system (104) for timely dissemination, and a decision-support dashboard (105) for centralized operations. A learning mechanism (106) ensures continuous refinement. The invention enhances preparedness, response, recovery, and resilience during disasters.

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