

Building the Thai Nguyen SOS system to support recording and coordinating relief requests during the flood season.

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Abstract: In the context of complex weather developments, the rainy and stormy season frequently causes severe flooding in Thai Nguyen City. This project aims to research and develop an SOS system to support the recording and coordination of rescue requests during the flood season. By integrating sensor technology, cloud computing, and artificial intelligence, the system will automatically collect data on flooding situations and classify rescue requests. The goal is to enhance disaster response efficiency, minimizing damage to people and property. The expected outcome is a comprehensive solution that helps the local community prepare and respond quickly to flood-related disasters.

Keywords: SOS system, Rainstorm, Artificial intelligence, Relief coordination, Sensor technology