Patent Search

Invention Title	FORECASTING OF FLOOD PROCESSES IN IOT-ENABLED SMART CITIES USING CONVOLUTIONAL NEURAL NETWORK
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Abstract:

The present invention relatesto provide a forecasting of flood processes in IoT-enabled smart cities using convolutional neural network.Smart cities are provided all s facilities which are maintained by IoT network. Natural activities are forecasted by using artificial satellites. High-definition images are used for forecasting flood dete snow fall etc. these HD images are obtained from satellites.IoT network used for real time forecasting and monitor natural calamities at real time.The system compris detection sensors, satellite images receiver, machine learning algorithm for HD images, warning providing devices, IoT network system for monitoring flood.Satellite i receiver is collected HD images form satellite. Machine learning algorithm is used for flood detection and forecasting. Warning providing devices are generated warni flood at specific time intervals and specific danger mark of flood.

Complete Specification

Description:Technical field of invention:

The present invention relatesto provide a forecasting of flood processes in IoT-enabled smart cities using convolutional neural network.

Background:

Smart cities are provided all services and facilities which are maintained by IoT network. Natural activities are forecasted by using artificial satellites.

High-definition images are used for forecasting flood detection, rain, snow fall etc. these HD images are obtained from satellites.

IoT network used for real time forecasting and monitor natural calamities at real time.

Floods can also occur in rivers when the flow rate exceeds the capacity of the river channel, particularly at bends or meanders in the waterway. Floods often cause d to homes and businesses if they are in the natural flood plains of rivers. While riverine flood damage can be eliminated by moving away from rivers and other bodie water, people have traditionally lived and worked by rivers because the land is usually flat and fertile and because rivers provide easy travel and access to commerc

View Application Status