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Patent Search

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

Inventor

Name	Address	Country
Dr. Zekrifa Djabeur Mohamed Seifeddine	Designation Senior Research Fellow, Centre of Excellence for Quantum Computation and Communication Technology, Australia	Australia
Dr. Sheshang Degadwala	Associate Professor, Sigma Institute of Engineering, Engineering Block, Sigma Group of Institutes, Ajwa-Nimeta Road, Bakrol, Vadodara, Gujarat - 390019	India
Vinay Nagarad Dasavandi Krishnamurthy	Senior Software Engineer, Bosch, USA	India
Dr. Alka Dubey	Professor, Department of Electronics and Communication Engineering, Adina Institute of Science and Technology, Sagar, Madhya Pradesh	India
K. Anbazhagan	Professor, Computer Science and Engineering, Saveetha School of Engineering, Simats, Chennai	India
Dr. Shikha Kumari Pandey	Assistant Professor, Department of Chemistry, Institute of Aeronautical Engineering, Hyderabad - 500043	India

Applicant

Name	Address	Country
Dr. Zekrifa Djabeur Mohamed Seifeddine	Designation Senior Research Fellow, Centre of Excellence for Quantum Computation and Communication Technology, Australia	Australia
Dr. Sheshang Degadwala	Associate Professor, Sigma Institute of Engineering, Engineering Block, Sigma Group of Institutes, Ajwa-Nimeta Road, Bakrol, Vadodara, Gujarat - 390019	India
Vinay Nagarad Dasavandi Krishnamurthy	Senior Software Engineer, Bosch, USA	U.S.A.
Dr. Alka Dubey	Professor, Department of Electronics and Communication Engineering, Adina Institute of Science and Technology, Sagar, Madhya Pradesh	India
K. Anbazhagan	Professor, Computer Science and Engineering, Saveetha School of Engineering, Simats, Chennai	India
Dr. Shikha Kumari Pandey	Assistant Professor, Department of Chemistry, Institute of Aeronautical Engineering, Hyderabad - 500043	India

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 significant facilities which are maintained by IoT network. Natural activities are forecasted by using artificial satellites. High-definition images are used for forecasting flood detection satellites. How is a state of the satellites images are obtained from satellites. IoT network used for real time forecasting and monitor natural calamities at real time. The system comprise detection sensors, satellite images receiver, machine learning algorithm for HD images, warning providing devices, IoT network system for monitoring flood. Satellite is receiver is collected HD images form satellite. Machine learning algorithm is used for flood detection and forecasting. Warning providing devices are generated warniflood 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 of 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 bodic 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 commerce

View Application Status



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