

Department of Science & Technology funded Urban Flood Model – Bangalore Project
(UFM-B)

The Flood and inundation in urban areas, especially in Bengaluru City (BBMP area) during the rainy season has become a regular phenomenon which has been causing sever damages to the public and private property as well as loss of life.

Karnataka State Natural Disaster Monitoring Centre (KSNDMC) has been providing location specific Flood / inundation forecast, Alert and Advisories to the concerned Authorities to take necessary and timely action to mitigate the impact of Urban Flood and avoid any loss of life and property.

By recognizing the potential of the Technological solution developed by KSNDMC and IISc, The project '*Urban Flood Model for Bangalore*' is a collaboration between KSNDMC and Indian Institute of Science (IISc), Bangalore, funded from DST under Demand Driven Convergent Water Solutions in Mission Mode. The project term is for the next 3 years

The objectives of this project are to improve the flood alert system for Bengaluru and extend it to other major cities in the country by developing an urban flood model that simulates hydrologic and hydraulic behaviour of Bangalore using high resolution terrain data, create inundation maps and analyse vulnerable zones for Bangalore, and establish a control unit for pre-flood and post-flood management. A mobile App is also aimed to be developed for Urban Flood mitigation in Bengaluru under this project.