

# REVIVE

## Integrated Tool for Urban Water Management

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As problems related to Water have increased, our urban centres along with the rural continuously face the brunt of water shortage and constant seasonal floods every year. The problems become more complex in the wake of climate change and rapid urbanisation.

**Revive** is an Integrated Tool for Urban Water Management, a **decision support system** that assists the Urban Local Bodies to undertake works in order to improve the water problems in their city by providing information and forecasting models with respect to water shortage and floods. It enables citizens to know about the water and natural environment of the city to the citizens with a flood warning system. It is a platform where citizens can aid their Urban Local Bodies to improve the ground situations in the city by providing correct information.

In response to the ongoing water crisis, the project envisions an **Integrated Tool for Urban Water Management**. Integrated Tool for Urban Water Management is a dynamic tool that would facilitate monitoring and predictive modelling to assist in decision making related to Urban Water. It will be instrumental in monitoring the water situation and identifying shortfalls. The Predictive Modelling feature would do simulations w.r.t flood simulation, Rainwater Harvesting, Smart Water etc.

One unique platform with two dashboards, one for the ULB and other for the citizens. Through interactive dashboards, the outcome will cater to both the Urban Local Body as well as the Citizens. For the former, it addresses the lack of data and suggests a repository of data with a list of relevant parameters. For citizens, it addresses the lack of understanding and knowledge of the existing data and the current water scenario.

### BENEFITS:

