

IonFluid: Designing and Developing A Water Level Notification System

Abstract

The difficulties to access the information to retrieve the river's water level status at the area of Sungai Sembrong causes the residents nearby to insensitive and complacent towards the threat of flood hazard that can occur in just in a matter of seconds and can destroy their property and also can cause the loss of life. ionFluid is an online water level notification system for Android based application that allow users to receive water level status of a river. Users can receive water level status by using mobile device either by SMS or Push Notification technology. This system will be The methodology used to develop this Android system is Evolutionary Prototyping model. Software technology used to develop this system is Ionic Framework where this technology uses web technology to develop mobile hybrid application. Database used for this system is MariaDB while programming language used to develop this system is PHP, AngularJS, HTML and SCSS. Hereby, developed system can increase the awareness of the public to be more cautious against environmental threats especially floods disaster.