

## **ABSTRACT**

In this project, we present the implementation of a low cost prototype of a high tide detection system, at significantly smaller laboratory scale. In this system an ultrasonic sensor measures the distance of the water. RGB led is used to indicate the level of the water, that is red indicate high tide, blue led indicate normal tide, green led indicate low tide. The distance and level of water is updated to the web. It has been found that the system developed works very well in the laboratory scale.