

Chapter 1

INTRODUCTION

1.1 Overview

We are implementing this project to save the people from danger caused due to flood which causes the huge distraction of the property every year. In this project we are designing an early flood warning system, which consists of a field unit which is placed along the river banks. This field unit consists of various sensors which continuously keeps monitoring the data and this data will be send to the database. Once the data is received this data will be compared with the reference data stored in the database and based on this data decision will be taken and the respected alert will be given to the people.

The alerting system that we are providing has various alerting mechanisms such as Visual Alerts such as Strobe Lights, Audible Alerts such as Hooter alerts, and we are also giving the alerts through the social websites such as Facebook, Twitter, Google Maps and SMS alerts to the localities to the registered mobile numbers to those whoever stays along the riverbanks. This Integrated Weather and Flood Alerting System works in real time so that people can take the earlier decisions and even government can also take earlier decisions and evacuate the people to the safety places. so that they can save many lives and also property. In the time once the flood reaches the critical condition then Hooter, strobe lights will starts alarming and lights starts glowing and the information will be posted in the social websites and also alerts will be given through SMS to the registered numbers.

1.2 Literature Survey

In the past year the students from the K.V.G College of Engineering has presented the paper in the Internal Journal of Research on Water Level Monitoring and Flood Alerting system in that paper they presented a system that can be used to monitor the water level