FLOOD AWARENESS SYSTEM

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ABSTRACT

The flood will become too much strain to the affected persons. Nowadays, flood occurrences are more frequent not only in the rural area but also include the urban area which has a good manage drain facilities. The situation is unpredictable but one can take precaution action on risk of life and reduce the properties destruction. Just bear in mind it will happen anytime, anyplace without counter to any other else. People may need some time to prepare before the flood occurs. One system must be built to inform the affection person about the situation. So this system has been built to solve the problem that haunted them with a cheap and easy way to encounter this situation. Flood detection system is the system that being used to detect the rising water level in the river and in the tank. When the water rises, circuit will send signal to the system. The system will inform the rising of water level with sound of buzzer. The main purpose of flood detection system is to avert or minimize loss of life. This expanded vision and defined purpose of the flood detection system as a means of establishing public safety, to reduce damage to property and to relieve public anxiety.

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CHAPTER 1

INTRODUCTION

1.1 Background of Study

Floods or commonly known as, an overflow of water that submerges land that is usually dry. Flooding may occur as an overflow of water from a river or lake, in which the water overtops or breaks the flood bank, resulting in some of that water escaping from its usual boundaries, or it may occur due to an accumulation of rainwater on saturated ground at flooded areas. While the size of a lake or other body of water will vary with seasonal changes of the weather, these changes in size are unlikely to be considered significant unless the flood property known or it is drowning the domestic animals.

Floods also can occur in rivers when the flow rate exceeds the capacity of the river bank, particularly at bends or meanders in the waterway. Floods often cause damage to homes and businesses if they are in the natural flood plains of rivers. Some floods develop slowly, while others such as flash floods can develop in just a few minutes and without visible signs of rain. Additionally, floods can be local, impacting a neighbourhood or community, or very large, affecting entire river basins.

This Flood Awareness System is design to be used at a water catchment area and predicts the likelihood of flooding through its system that is programmed. When water triggers the float switch, the circuit will close and connected to the power