# 1.0. Introduction

## 1.1. Purpose

In India the sewage system is one of the major issues. Due to the poor maintenance of the sewage system the sewage water is overflowed on the streets and sometimes mixes in the drinking water which damages the health conditions of the people, to overcome this issue we are proposing the model called Drainage overflow monitoring system.

The Aim is to come up with a solution using modern technologies of IOT to get a detailed exploration of the data collected through various IOT sensors .This proposed system will monitor the water level, water flow rate and gas level in the underground drainage system and the measured values is then analyzed and the drainage system condition will be sent to the nearest corporate office as a message.

## 1.2. Scope of Project

This drainage overflow monitoring system is made to detect the drainage overflow and overcome many issues that will arise due to the improper maintenance of the drainage system. This system allows us to detect water level, water flow rate, gas level in the underground drainage system and manhole openings through various sensors. If the data obtained from the sensors is more than the threshold then the system allows us to send a message to the nearest corporate office.

This system also allows users to know the condition of the drainage through LCD display and then allows them to think of the best way to reach destination. This project does not include any web application and does not detect any obstacles present in the drainage.