**Problem statement:**

To implement GSM based water pump control system by Using Arduino At mega 2560 and programming language embedded c

**Objective:**

The purpose of this project is to save wastage of water, which is done by detecting soil moisture using soil moisture sensor

The gsm based water pump control system transfers SMS to the receiver mobile by track the status of moisture level.

**Flowchart:--**

**START**

**Immediate GSM initialization**

**Soil moisture sensor will keep reading received data**

**End**

**GSM will send the message to recorded phone number in code**

**String==**

**“State Motor”**

**Motor will remain its previous state**

**String ==**

**“Motor OFF”**

**Motor state will be in its previous state**

**String ==**

**“Motor ON”**

**Motor will OFF**

**State = 0**

**Motor will ON**

**State = 1**