Mini Project

Keystone School Of Engineering **Date: _____**

T.E E&TC (2019 pattern)

Topic : GSM Based Water Pump Control System

Abstract:

In present days, we prefer automation in every sector. Automated systems are bendy to use. It offers large precision and consistency with high term operation as fair as the manual operated systems. Our proposed system is the automation of the **Electric Water Pump** used in households, industries, agriculture etc. Our effort is to make and achieve the mechanization implementation to manage electrical motor with the help of **GSM** module. With this the user can monitor the Water Pump by just sending commands through the SMS. The demonstration given here is of the agriculture use case. The main contribution of this work is to offer **automatic water supply for plants** to saving time as well as water. This will ease the work of farmers as they can monitor the Water Pump by just sending commands through SMS which will reduce their physical work.

The proposed system is controlled by **Arduino** to turn ON/OFF of pump by checking the moister level with the help of **moisture sensors**. In this work, the **GSM technology** is also used to switch ON/OFF of the pump using mobile phone by sending the commands to the kit through the GSM modem.

Keywords—Moister sensor, GSM, Arduino, Relay, Voltage Sensor, Water Flow Sensor, Water supply, Agriculture

Group No 8:

Ayman Attar – 27

Sumedh Pathrudkar - 14

Bhagyashri Kalkure - 30

Mini-Project Guide : _____

Mini-Project Co-Ordinator: _____

HOD : _____