**INTRODUCTION:**

In this system the work is performed without human intervention. Helps us in the Automatic opening and closing of shutter in the dam. The system comprises of the following components like level probe sensor, limit switch, microcontroller, motor and shutter. The GSM modem sends the messages of the status of the level of the water in the tank and shutter position. The modem connects to the local networking using SIM card that is inserted to it. The modem also sends message when a request message is sent to the controller.

**REQUIREMENTS:**

**HIGH-LEVEL:**

* The level sensor should get the water level from the DAM and should give the corresponding signal to the authorities.
* When the signal from level sensor gets ON the shutter should automatically open itself.
* When the signal from the level sensor gets LOW the shutter should automatically close itself.

**LOW-LEVEL:**

* The signal from the level sensor should get properly.
* The SMS should be sent properly to the authorities.

**HARDWARE RFEQUIREMENTS:**

* Microcontroller.
* SCU (System Controlled Unit).
* GSM (Global System for Mobile).
* Float Sensor.
* Limit Switch.
* Driver Circuit.
* DC Motor.
* Relay.

**BOCK DIAGRAM:**

