

# Solar Powered Smart Irrigation System with GSM for Agriculture

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**Abstract:** *A large portion of the Indian public are reliant upon farming and consequently our country's economy is fundamentally subject to agribusiness, so proficient horticulture requires appropriate water system and can further develop our country's economy in like manner. We can accomplish this with the assistance of different electronic gadgets and through its utilization we can get legitimate water system in this field in a mechanized way. Project Irrigation and Water Level Control utilizing Atmega 328p regulator intended to address farming area issues identified with water system and water observing frameworks with accessible water assets. Drawn out times of dry climate conditions because of changes in yearly precipitation can fundamentally diminish farming yields. Exploitative organizations need a productive water system framework as their bigotry to the expense and dry season of building up these yields. On this task we're the utilization of Atmega 328p regulator, soil sensor, temperature sensor, dc water siphon, transfer main thrust, level sensor, GSM modem, Solar board, battery and so forth A sprinkler turns on/off contingent upon soil dampness condition and condition. The engine can be shown in instant messages by means of the GSM model on a 16X2 LCD. Likewise, the water level can be checked by level sensors. It assists with knowing the accessibility of water at the info source.*

**Keywords:** Soil Sensor, Irrigation, Water level, GSM Module, Smart Farming etc.

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