

INTELLIGENT IRRIGATION USING IOT

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Abstract— Agriculture is the most important occupation for the most of the Indian families. Its plays a vital role in the development of agricultural country. Water is the main resource for agriculture. Irrigation is the one method to supply water but in some cases there will be lot of water wastages. So in this regard to save water and time we have proposed project title as “Intelligent Irrigation System Using IoT”. In this proposed system we are using various parameters of the soil and based on soil moisture, soil temperature and Weather prediction land gets automatically irrigated by on/off the motor. These sensed parameters and motor status will be displayed on user android application. Moisture, temperature and weather, are considered for monitoring soil conditions. Presently the computerization is one of the critical parts in the human life which gives comfort as well as lessen burden and helps us to save time we plan to develop a framework that helps the farmer to automatically provide water to the plant according to its need and current water moisture present in the soil.

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