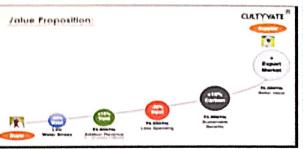
IOT BASED IRRIGATION MANAGEMENT

Real Time Water Quantification & Water Saving

Rice is water guzzling crop (consumes more than 60 % total irrigation water in India) cultivated mostly through inefficient irrigation methods (5000 lt of water for 1 kg grain) which leads to poor water use efficiency and many environmental problems. AWD method and real-time quantification is the need of the hour







Who we are





Focus Area Precision Analytics for water guzzier crops such as irrigation Paddy/Sugarcane/Cotton along with water sensitive horticulture crops like Grape/ Banana/Pomegranate

30th March 2017

postion Bangalore, Karnataka

Founded In

Unique Selling Proposition

- Reduce spend on pest/disease/labor by 25%
- Reduce water use by 40%
- We help you generate/sell carbon credits

- World's population is expected to touch 9 billion by 2050
- Food production needs to increase by 60-70%
- Receding cultivable land & depleting water major concern
- Farmers get upto 30% low yield while using upto 50% more water 70% more food to be grown with 50% less water

Tech Brief

- Our IoT devices measure the water level in paddy fields and notify the farmer via BMS when water level goes 1° above the root zone.
- The system monitors if the farmer has started irrigation before the water goes below root zone & escalates via call & field officer if irrigation was not started









https://www.youtube.com/watch?v=oi_5ivUqGsM

Benefits: The data on water utilization, CH4, N2O & CO2 emission will be recorded in real time using sensors through which farmers can get carbon credits. (Doubling the farmer income). It saves 20-30% of borewell water.



भारतीय चावल अनुसंधान संस्थान ICAR-Indian Institute of Rice Research

