SMART IRRIGATION SYSTEM

ODE TO Your Product Website/Presentation/Video

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**Business:**

We approached farmers in Chinnamangalaram village. Collated feedback about the use such system for these crops.

The product is sold for Rs.15000/- for one hectare field and Rs. 5000/- for one acre.

Basic level marketing, door to door promotion

Basic selling procedure (Distributor and Village Ambassador)

Progress:

* Week1 Prototype validation
* Week2 Tested prototype in field
* Week3 Feedback collection from farmers
* Week4 Developed a product
* Week5 Competition analysis
* Week6 Cost reduction by using cost efficient components

**Customer Stories:**

“We need this at any cost”

Mohan Reddy

“It is amazing launch it soon”

Vraian Goud

**Problem**: Traditional method of farm irrigation manually scheduled by the farmer often results in loss of yield and unwanted weed growth.

**Product**: An IoT based solution which informs when and how much water to irrigate on the basis of real time data collected from the field.

**Initial Prototype:**

A system to check the moisture of soil and send it to webserver where it predicts the irrigation status and notifies the farmer.

Contributors:

Mentor Sandeep suggested us about testing the prototype in field and suggested us to build a wireless set-up and to enhance serviceability of the product.

Dr. Vijaya Kamari suggested us to conduct a field survey to reach out farmers and check the significance of product for them.

Mentors Annam Naresh suggested us to minimize the cost of product and use standard protocols and raise the reliability of the product.