

VSB Engineering College,karur-639111

Project Design phase – I

Problem Solution fit

Project name: lot – Smart Farming Application

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1.Customer segments:-

Farmers are monitoring in different parameters of his field like soil moisture, temperature, and humidity using some sensors.

6.Customer constrains:-

The constraints that the customer face while using a this application is used in low cost and easy way.

5.Available solutions

The solutions which we proposed are use of prevent crops , use of soil moisture, Temperature, humidity using some sensors.

2.Jobs to be done :-

Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field.

9.Problem route cause:-

Due to the inability to predict crop production in advance in traditional method

7.Behavior:-

They can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.

3.Triggers:-

Some of the triggers are advertisements in the television and information from the experts

4.Emotions:-

With the traditional farming were depressed due to the inability to predict the disease which caused low yield but after using IOT system they are happy with the high yield

10.Solution:-

IoT -based agriculture system helps the farmer in monitoring different parameters of his field like soil moisture , Temperature , humidity using some sensors . Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field.

8.Channels of behavior:-

With help of various online channel farmers can predict and gain knowledge about the crops growth detection.