

Gnanamani College of Technology ,Namakkal  
Department of Electronic and communication of Engnerring

Project Design phase – I

Problem Solution fit

**Project name: Smart Farmer – IoT Based Smart Farming Application**

<b><u>• Customer segments:-</u></b>	<b><u>• Available solutions</u></b>	<b><u>6.Customer constrains:-</u></b>
Types of Customers who are going to this project are <ul style="list-style-type: none"><li>• Large Scale Farmers</li><li>• Remote Farmers</li></ul>	<ul style="list-style-type: none"><li>• We can give solutions to this problem by using the Smart Farming Application which collects the Moisture level data from the field and operates in the basis of that moisture level.</li></ul>	The customer needs a solution which will solve the problems in farming when he is in a remote location and that solution should fulfil the following needs. <ul style="list-style-type: none"><li>• Cost efficient</li><li>• Low power consumption</li><li>• Time efficient</li></ul>

<b><u>2.Jobs to be done :-</u></b>	<b><u>7.Behavior:-</u></b>	<b><u>• Channels of behavior:-</u></b>
The Customers want to automate the irrigation process, reduce cost of manual workers and minimize the power consumption	The customer needs to make a revolutionary change in farming by means of modern technologies.	The channels of behavior combines the combination of the following <ul style="list-style-type: none"><li>• Online</li><li>• Offline</li></ul>