

# PROJECT DESIGN PHASE

(Problem Solution Fit)

## SmartFarmer – IoT Enabled Smart Farming Application

Team\_Id =PNT2022TMID14638

<b>1.Customer segments:</b>  Types of Customers who are going to this project are <ul style="list-style-type: none"><li>• Large Scale Farmers</li><li>• Remote Farmer</li></ul>	<b>4.Emotions:</b>  Farmers feel very relaxed and feel stress less while working in field.	<b>7.Behavior:</b>  The customer needs to make a revolutionary change in farming by means of modern technologies.
<b>2.Jobs to be done :</b>  The Customers want to automate the irrigation process, reduce cost of manual workers and minimize the power consumption.	<b>5.Available solutions :</b>  We can give solutions to this problem by using the Smart Farming Application which collects the Moisture level data from the field and operate in the basis of that moisture level.	<b>8.Problem route cause:</b>  The route cause for Smart farming Application is farmer's need to be felt comfortable.
<b>3.Triggers:</b>  Farmers are facing many problems while farming in traditional manner. This triggers the Smart Farming Applications	<b>6.Customer constrains:</b>  The customer needs a solution which will solve the problems in farming when he is in a remote location and that solution should fulfill the following needs. <ul style="list-style-type: none"><li>• Cost efficient</li><li>• Low power consumption</li><li>• Time efficient</li></ul>	<b>9.Solution:</b>  Our solution for this project is to give environment sustainable Product for the farming in modern era with reduced cost and with best efficiency