MEPCO SCHLENK ENGINEERING COLLEGE

Department of Electronics and Communication Engineering

IBM NALAIYA THIRAN

DESIGN PHASE 1

TITLE : Smart Farmer- IoT Enabled Smart Farming Application

DOMAIN NAME : Internet of Things

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TEAM MEMBER NAME: DEVI PRIYA S

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Problem solution fit

1.Customer segments: Types of Customers who are going to this project are • Large Scale Farmers • Remote Farmer	**4.Emotions:** Farmers feel very relaxed and feel stress less while working in field.	**7.Behavior:** The customer needs to make a revolutionary change in farming by means of modern technologies.
2.Jobs to be done : The Customers want to automate the irrigation process, reduce cost of manual workers and minimize the power consumption.	**5.Available solutions :** 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.	**8.Problem route cause:** The route cause for Smart farming Application is farmer's need to be felt comfortable.
3.Triggers: Farmers are facing many problems while farming in traditional manner. This triggers the Smart Farming Applications	**6.Customer constrains:** 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. • Cost efficient • Low power consumption • Time efficient	**9.Solution:** Our solution for this project is to give environment sustainable Product for the farming in modern era with reduced cost and with best efficiency