V S B ENGINEERING COLLEGE, KARUR

Department of Computer Science and Engineering

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PROBLEM SOLUTION FIT

TITLE   : Smart Farmer – IoT Enabled Smart Farming Application   Team ID   : PNT2022TMID33475

Problem-Solution fit

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) **CS** Large Scale Farmers, Medium Scale Farmers and Small Scale Farmers	6. CUSTOMER CONSTRAINTS **CC** Time Consumption, Saves Time, Need of Internet, Need of Smartphone, Easy to Use, Easily Understandable by Everyone	5. AVAILABLE SOLUTIONS **AS** Collect the data from various sensors to identify the soils nutrition content, moisture content, weather conditions etc	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS **J&P** IoT devices can connects & interacts with each other through the internet	9. PROBLEM ROOT CAUSE **RC** User Can Install This Application In-order To Save Their Time & Easy to Use. And get numerous benefits. But still there some difficulties to implement the IoT due to environment	7. BEHAVIOUR **BE** User wants to make the revolutionary propagation in the rating of the crops health	Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	3. TRIGGERS **TR** Smart farming reduces the human interfere and saves lot of time, water, energy and money 4. EMOTIONS: BEFORE / AFTER **EM** Smart farming makes the crop yields more optimal and reduce the wastage of crops	10. YOUR SOLUTION **SL** In this project, we are analyzing the crops which is affected by any disease or not and give remedies to cure this disease to user. And collect the various data from the sensors to give suggestion to the user	8. CHANNELS of BEHAVIOUR **CH** 8.1 Online : User Can control the hardware's & analyze the data whatever collected by the sensors 8.2 Offline: User Can control the hardware's manual also and check all the setup was properly worked or not	Extract online & offline CH of BE