

Project Design Phase-I PROBLEM SOLUTION FIT

TEAM ID : PNT2022TMID05399

PROJECT NAME: Smart farmer- IOT enabled smart farming application

CUSTOMER SEGMENT <ul style="list-style-type: none"> • Farmers and agriculturists • Botanical gardens and parks • Lawns • Schools and colleges 	CUSTOMER LIMITATIONS <ul style="list-style-type: none"> • Inavailability of labours and peoples for work. • Unable to predict the climatic changes. 	AVAILABLE SOLUTIONS <ul style="list-style-type: none"> • Watering the crops manually by farmers, agriculturists and labours.
JOB TO BE DONE/PROBLEMS <ul style="list-style-type: none"> • Farmers are usually involved in watering the crops at scheduled times which requires a lot of human intervention, • they involve a high degree of guesswork and can be extremely wasteful. 	PROBLEM ROOT/CAUSE <ul style="list-style-type: none"> • Climatic change in the environment. • Insufficieny of labours may result • High degree of guess work may result in wastage of efforts 	BEHAVIOUR <ul style="list-style-type: none"> • When the users unable to predict the climate of the environment. • People are let into trouble when high amount guess work is done.
TRIGGERS TO ACT <ul style="list-style-type: none"> • Automation made the work easier for everyone who does cropping in larger area. 	YOUR SOLUTION <ul style="list-style-type: none"> • Precision farming methodologies are used. • People 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. • Automation of watering crops reduces human intervention. 	CHANNELS OF BEHAVIOUR ONLINE <ul style="list-style-type: none"> • Weather forecasting from news channel and weather prediction apps are used
EMOTIONS before /after <ul style="list-style-type: none"> • Before: Worry about the availability of labours and climatic changes • After : Feels happy on automation 		OFFLINE <ul style="list-style-type: none"> • Customer throws words regarding the weather forecasting