Project Design Phase-II
Customer Journey

Date	21 October 2022
Team ID	PNT2022TMID037730
Project Name	Efficient Water Quality Analysis andPrediction using Machine Learning
Maximum Marks	2 Marks

CUSTOMER JOURNEY

User Journey Map

PHASES	REQURIEMENTS NEED	SAMPLE COLLECTION	DATA ANALYSIS	INFORMATION UTILIZATION
STEPS	• selection of parameters • selestion of methods • precision and accuracy	clean the sample containters and choose the filter pore size.minimize microbiale activities.select sample prevention method	measurements of six parameters and analyse the data collected.The unnecessary data will be rejected.Being analyse the data and interpret result.	Finally the data collected is tested and predic the good condition of the water.it will be detected by using the advanced artificial intelligence algorthims.
FEELINGS	☺	☹	😐	□
	• less unused features • less development rework • Some defects may occur	Highly specificity for target compounds.detection limits below regulatory trigger criteria.The resonable throughput for sample collection is more quantity id difficult.	Difficult to manage over time and with large data set.Require operation to submit it data,sometimes its configuration is required.	Usually feasible under exchange grands to a final result but it is challenging to accomplish the specific result to produce.
PAIN POINTS	• undocumented process • conflict requirement • need of more resources	Lack of technology and human resources occur sometimes.Storage and transportation issue happens.Technical hurdles is one of the pain point.	Collecting of water quality data can be expensive.Maintaining and repaining equippment costs can be rack up quickly overtime.sometime in correct may be an problem.	It still has a high require component.Good quality needed for all .To measure the required parameter of water.
OPPURTUNITIES	• lower cost of developement • Higher level of needs • More beneficial Members	Sampling reducestime and cost of research studies.The quality of water is always a better with sample collection.It provides much quicker result.	Appropriate data submission gives and excellent output.Then it is easy to verify the parameters and can predict the water quality.	The utilization of data in decision making allows us to make decisions based on evidence and also speedup the things by making it esaier to share the perception.It also has the advantage of making it easier to verify the result in future.