Project Planning Phase

Date	**22.10.2022**
Team ID	**PNT2022TMID24072**
Project Name	**Efficient Water Quality Analysis and Prediction using Machine Learning**

Project Backlog ,Sprint Schedule, and Estimation:

sprint	Functional Requirement(Epic)	User story/ Number	User story/Task	Story point	Protrity	Team Members
Sprint 1	Data processing	USN-1	It is fairly possible to get the dataset we need on the internet but in this project, we will be creating the dataset on our own.	2	High	HARIHARAN
Sprint 1	CNN on the captured	USN-2	The data using Image Data Generator of keras through which we need dataset, and each of the names of the number and the function to load the train loaded.	2	High	PAVAN KALYAN

Sprint 2	Gesture	USN-3	Abounding box for detecting the ROIand calculate the accumulated avg as we did in creating the dataset. This is done for identifying any foreground object.	1	Low	KINGSON
Sprint 2	Predicting the data	USN-4	The load the Previously saved model using keras . models. load model and feed the threshold image of the ROI consisting of the hand as an input to the model for prediction.	2	High	PAVAN KALAN

Sprint 3	Machine learning	USN-5	This is an interesting machine learning python project to gain expert .This can be further extended for detecting the English alphabets.	2	High	HARIHARAN
Sprint 4	Dashboard	USN-6	The explored and gesture orgifare displayed in Dashboard	2	High	HARSHA