ProjectPlanningPhase

Date	22.10.2022
TeamID	PNT2022TMID42037
ProjectName	Efficient Water Quality Analysis and Prediction using Machine Learning

ProjectBacklog,SprintSchedule,andEstimation:

sprint	Functional Requirement(Epic)	User story/Number	Userstory/Task	Story point	priority	Team Members
Sprin-1	Dataprocessing	USN-1	Itisfairlypossibletogetthedatasetweneedontheinternetbutinthisproject,wewillbecreatingthe datasetonourown. .	2	High	Kaviyarasan
Sprin-1	CNNonthe captured	USN-2	Thedatausing ImageDataGenerator ofkerasthroughwhich we andtestsetdata,and classset,and eachofthenamesofthe numberoffolderswillbe thefoldersreadby functiontoloadthetrain loaded.	2	High	Rabin

Sprin-1	Gesture	USN-3	Abounding box for detecting the ROI and calculate the accumulated avg as we did in creating the dataset. This is done for identifying any foreground object.	1	Low	vivek
Sprin-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	anbarasu

Spr in- 3	Machinelearning	USN-5	sThisisaninteresting machinelearningpytho nprojecttogainexpertis e.Thiscanbefurther extendedfordetectingth eEnglishalphabets.	2	High	vigneshwaran
Spr in- 4	Dashbord	USN-6	Theexploredandgesture orgifaredisplayedin dashboard	2	High	kaviyarasan