Milestone and Activity List
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID35350
Project Name	Project - VirtualEye - LifeGuard for Swimming Pools to Detect Active Drowning
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login and Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	1	High	Sahana, Vriksha
Sprint-1	User Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Medium	Shruti, Bhavya
		USN-3	As a user, I can register for the application through Facebook	1	Low	Shruti, Vriksha
		USN-4	As a user, I can register for the application through Gmail	1	Low	Sahana, Bhavya
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Shruti, Sahana
Sprint-2	Dataset Retrieval	USN-6	Acquiring the data from Cloudant DB	2	High	Vriksha, Bhavya
Sprint-2	Image Preprocessing	USN-7	Importing the image data generator libraries, applying image data generator functionality to train set and test set	2	High	Shruti, Sahana
Sprint-2	Model Building	USN-8	Import the required model building libraries Initialize the model	2	High	Vriksha, Bhavya
		USN-9	Add convolutional layers Add pooling layers, flatten layer, dense layer Compile the model	3	High	Vriksha, Bhavya, Shruti, Sahana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Train the Model	USN-10	Register for IBM cloud and train image classification model	2	High	Shruti, Vriksha
Sprint-3	Test the Model	USN-11	Import the packages and save the model and load the test image, preprocess it and predict it	1	High	Sahana, Vriksha
Sprint-4	Application Layer	USN-12	Build the HTML pages Build the Flask application	2	High	Shruti, Bhavya
Sprint-4	Prediction	USN-13	Load the trained model and the dataset and predict if the person is drowning or not	1	High	Bhavya, Sahana