

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID21349
Project Name	A novel method for handwritten digit recognition system.
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a user, I need to collect the data with differenthandwriting to train the model	5	High	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-1	Importing libraries	USN-2	As a user, I have to implement necessary libraries inpython packages.	4	Low	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-1	Data preprocessing	USN-3	As a user, I can load the dataset, handle themissing values, scale and split the data.	10	Medium	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-2	Model building	USN-4	A s a user, I will get an application with ML modelwhich provides high accuracy of recognized handwritten digit.	6	High	Bhuvanshree B Ishwarya S Soumya V Tharsana S

Sprint-2	Add the CNN layers	USN-5	Add input convolutional layer, max-pooling layer, flatten, hidden and output layers to the model.	5	High	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-2	Compile the model	USN-6	As a user, compile the model for trained dataset.	2	Medium	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-2	Train and test the model	USN-7	As a user, train and test the model for the dataset collected and data are validated.	5	High	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-2	Save the model	USN-8	As a user, the compiled data are saved and integrated with an android application or web application.	2	Low	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-3	Building UI application	USN-9	As a user upload the input image that contains handwritten digits.	10	Medium	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-3		USN-10	As a user, I can provide the fundamental details about the usage of application to customer.	4	Low	Bhuvanshree B Ishwarya S Soumya V Tharsana S
		USN-11	As a user, I can see the predicted or recognized digits in the application.	5	Medium	Bhuvanshree B Ishwarya S Soumya V Tharsana S
Sprint-4	Train the model on IBM	USN-12	As a user train the model in IBM cloud and integrate the results.	10	High	Bhuvanshree B Ishwarya S Soumya V Tharsana S

	Cloud Deployment	USN-13	As a user, I can access the web application and make the use of the product fromanywhere.	10	High	Bhuvanshree B Ishwarya S Soumya V Tharsana S
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