

## Project Planning Phase

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

Date	19 November 2022
Team ID	PNT2022TMID27708
Project Name	Real Time Communication System Powered By AI for Specially Abled
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	5	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-1		USN-3	As a user, I can register for the application through Gmail.	5	Medium	Vasugi E Thirishika P Vaishnavi V Vidhya T S

Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	5	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-2	Data Collection	USN-5	Collecting the Required Dataset.	10	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-2	Data cleaning and Image Preprocessing	USN-6	Perform the image preprocessing techniques on the dataset.	10	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-3	Model Building	USN-7	Model Initialization with required layers.	10	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-3	Training	USN-8	Training the image classification model using the Neural Network.	10	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-4	Testing	USN-9	Testing the Model's Performance.	10	High	Vasugi E Thirishika P Vaishnavi V Vidhya T S
Sprint-4	Deployment of model in Web / App	USN-10	Deploying the Tested Model	10	Medium	Vasugi E Thirishika P Vaishnavi V Vidhya T S

### Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

### Velocity:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} + \frac{6}{10} = 6.0$$

Burn down Chart:

Feature	Initial Estimate	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Categories	60	20	8	5	1	5	10	0
Synchronization	60	10	5	2	2	5	10	19
Acccounts	60	5	8	2	10	5	10	5
Reminders	60	10	12	2	3	5	10	2

Settting	Start	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Planned Hours		30	30	30	30	30	30	30
Actual Hours		45	33	16	11	40	40	26
Remaining Effort	240	195	162	146	135	95	55	29
Ideal Burndown	240	210	180	150	120	90	60	30

