

## Project Planning Phase

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

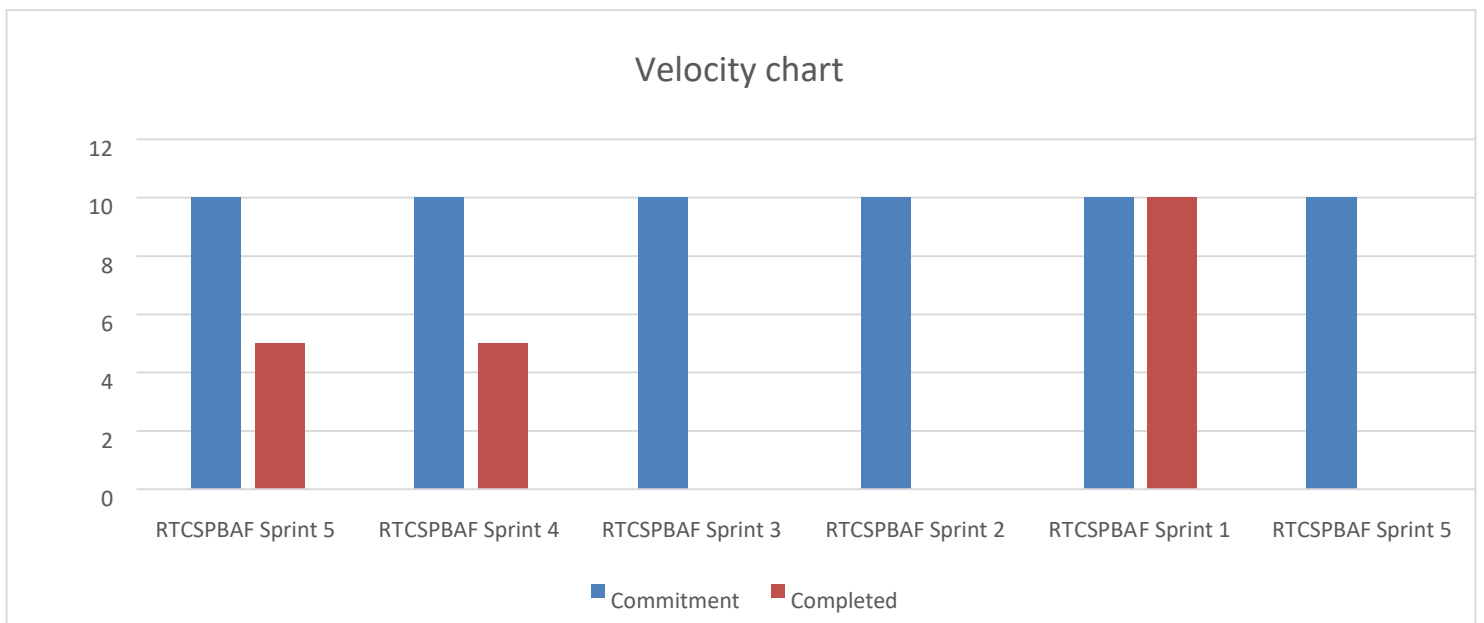
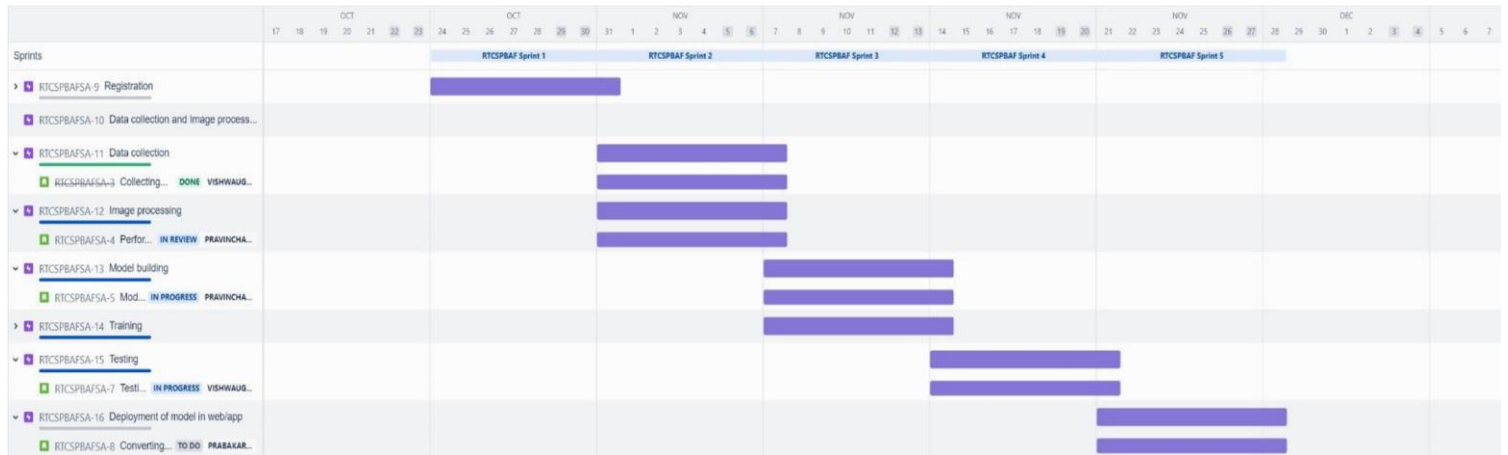
|               |  |
|---------------|--|
| Date          | 28 October 2022  |
| Team ID       | PNT2022TMID39216   |
| Project Name  | Real-Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 8 Marks  |

### 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     | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |
|          | Login                         | USN-2             | As a user, I can log into the application by entering email & password                                    | 5            | High     | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |
|          | Data Collection               | USN-3             | Collecting Dataset  | 5            | High     | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |
|          | Image preprocessing           | USN-4             | Perform preprocessing techniques on the dataset   | 5            | High     | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |

|          |                                |       |   |    |        |  |
|----------|--------------------------------|-------|---|----|--------|--|
| Sprint-3 | Model Building                 | USN-5 | Model initialization with required layers         | 5  | High   | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |
|          | Training                       | USN-6 | Training the image classification model using CNN | 5  | Medium | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |
| Sprint-4 | Testing                        | USN-7 | Testing the model's performance                   | 10 | High   | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |
| Sprint-5 | Deployment of model in web/app | USN-8 | Converting text to speech API                     | 10 | Medium | Kanimozhi A<br>Sowmiya S<br>Divya M<br>Naveena K |

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



## Project tracker:

| 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 | 10                 | 7 Days   | 24 Oct 2022       | 31 Oct 2022               | 10  | 29 Oct 2022                  |
| Sprint-2 | 10                 | 7 Days   | 01 Oct 2022       | 07 Nov 2022               | 10  | 05 Nov 2022                  |
| Sprint-3 | 10                 | 7 Days   | 08 Nov 2022       | 14 Nov 2022               | 10  | 12 Nov 2022                  |
| Sprint-4 | 10                 | 7 Days   | 15 Nov 2022       | 21 Nov 2022               | 10  | 19 Nov 2022                  |
| Sprint-5 | 10                 | 7 Days   | 22 Nov 2022       | 28 Nov 2022               | 10  | 25 Nov 2022                  |

### Velocity:

$$AV = \frac{\text{sprint duration}}{\text{velocity}}$$

Average Velocity = 7/10 = 0.7

### Burndown Chart:

