

## Project Planning Phase

|               |  |
|---------------|--|
| Date          | 17 November 2022   |
| Team ID       | PNT2022TMID18087   |
| Project Name  | Real-Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 8 Marks  |

### Product Backlog and Sprint Schedule (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, we can register the application by entering my email, password, and confirming my password through mail. | 5            | High     | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |
|           | Login                         | USN-2             | As a user, we can log into the application by entering email & password.  | 5            | High     | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |
| Sprint -2 | Data Collection               | USN-3             | As a user, we can collect Data Sets   | 5            | High     | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |
|           | Image preprocessing           | USN-4             | As a user , we can do image preprocessing techniques on our Datasets.   | 5            | High     | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |
| Sprint-3  | Model Building                | USN-5             | As a user we can initialize the model with required layers.   | 5            | High     | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |

|          |                       |       |   |    |        |   |
|----------|-----------------------|-------|---|----|--------|---|
|          | Training              | USN-6 | As a user,we<br>can train the<br>image<br>classification<br>model by<br>using<br>CNN model. | 5  | Medium | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |
| Sprint-4 | Testing               | USN-7 | As a user.we<br>can test the<br>performance<br>of our<br>model.                             | 10 | Medium | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |
|          | Development of<br>App | USN-8 | As a user, finally<br>we convert the<br>text tospeech.                                      | 10 | Medium | Angelene Vidhya<br>Madhumitha<br>Anu Lavanya<br>Kiruthika |

## 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       | 29 Oct 2022               | 10  | Oct 2022                     |
| Sprint-2 | 10                 | 7 Days   | 31 Oct 2022       | 05 Nov 2022               | 10  | Nov 2022                     |
| Sprint-3 | 10                 | 7 Days   | 07 Nov 2022       | 12 Nov 2022               | 10  | Nov 2022                     |
| Sprint-4 | 10                 | 7 Days   | 14 Nov 2022       | 19 Nov 2022               | 10  | Nov 2022                     |

## Velocity:

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

$$\text{Average Velocity} = 7.5/10 = 0.75$$

# Burndown chart :



