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

| Date          | 17 NOV 2022  |
|---------------|--|
| Team ID       | PNT2022TMID30815   |
| Project Name  | Project - Real Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 8 Marks  |

## **Product Backlog, Sprint Schedule, and Estimation**

Use the below template to create product backlog and sprint schem

| Sprint   | Functional<br>Requirement<br>(Epic) | User Story Number | User Story / Task   | Story<br>Points | Priority | Team Members   |
|----------|-------------------------------------|-------------------|---|-----------------|----------|--|
| Sprint-1 | Data Collection                     | USN-1             | Collect Dataset .   | 9               | High     | Thanalakshmi C<br>Subalakshmi M<br>Mahalakshmi T<br>Velvalli P |
| Sprint-1 |                                     | USN-2             | Image preprocessing   | 8               | Medium   | Thanalakshmi C<br>Subalakshmi M<br>Mahalakshmi T<br>Velvalli P |
| Sprint-2 | Model Building                      | USN-3             | Import the required libraries, add the necessary layers and compile the model | 10              | High     | Thanalakshmi C<br>Subalakshmi M<br>Mahalakshmi T<br>Velvalli P |
| Sprint-2 |                                     | USN-4             | Training the image classification model using CNN                             | 7               | Medium   | Thanalakshmi C<br>Subalakshmi M<br>Mahalakshmi T               |

|          |                                   |       |  |   | Velvalli P   |
|----------|-----------------------------------|-------|--|---|--|
| Sprint-3 | Training and Testing              | USN-5 | Training the model and testing the model's performance           | 9 | Thanalakshmi C<br>Subalakshmi M<br>Mahalakshmi T<br>Velvalli P |
| Sprint-4 | Implementation of the application | USN-6 | Converting the input sign language images into English alphabets | 8 | Thanalakshmi C<br>Subalakshmi M<br>Mahalakshmi T<br>Velvalli P |

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

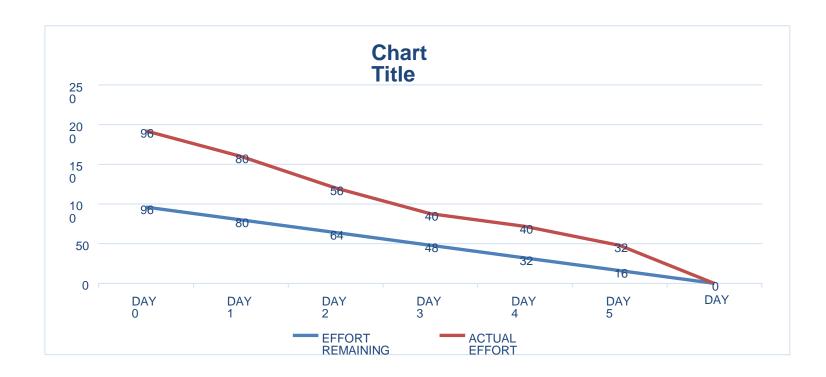
| Sprint   | Total Story<br>Points | Duration | Sprint Start Date | Sprint End Date<br>(Planned) | Story Points<br>Completed (as on<br>Planned End Date) | Sprint Release Date<br>(Actual) |
|----------|-----------------------|----------|-------------------|------------------------------|---|---------------------------------|
| Sprint-1 | 10                    | 6 Days   | 24 Oct 2022       | 29 Oct 2022                  | 8   | 29 Oct 2022                     |
| Sprint-2 | 10                    | 6 Days   | 31 Oct 2022       | 04 Nov 2022                  | 5   | 04 Nov 2022                     |
| Sprint-3 | 10                    | 6 Days   | 07 Nov 2022       | 11 Nov 2022                  | 7   | 11 Nov 2022                     |
| Sprint-4 | 10                    | 6 Days   | 14 Nov 2022       | 18 Nov 2022                  | 5   | 18 Nov 2022                     |

## Velocity:

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

$$AV = 6/10 = 0.6$$

## **Burndown chart:**



#### **SPRINT BURNDOWN CHART:**

