**Project Planning Phase**

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

| Date | 18 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID32596 |
| Project Name | IoT based Safety Gadget for child safety monitoring & Notification |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Designing IoT kit | USN-1 | Setting up the IoT device | 2 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
|  | Getting Coordinates | USN-2 | Adding GPS in it and getting Latitude and Longitude | 1 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
| Sprint-2 | Watson IoT Platform | USN-1 | Connect the device with Watson Platform | 2 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
|  | NodeRed | USN-2 | Write the flow for IoT using Node Red | 2 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
|  | IBM cloud | USN-3 | Store Location in IBM cloud | 2 | Medium | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
| Sprint-3 | Register/Login | USN-1 | Creating a web UI | 1 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
|  | Dashboard | USN-2 | Prepare a dashboard to see the current Location | 2 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
| Sprint-4 | Geofence | USN-1 | Create a option to make a geofence | 2 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |
|  | Send Notification | USN-2 | Send notification to the user | 2 | High | Aswin visveswar S , Boopathi N ,Haridhanush R , Jeevananthan T |

**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 |  |  |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 |  |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  |  |