

Project Planning Phase

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

TEAM ID: PNT2022TMID26623

Product Backlog, Sprint Schedule, and Estimation

Use the below template to create product backlog and sprint schedule

| Sprint | Functional Requirement(Epic) | User Story Number | User Story / Task | Story Points | Team Members |
|----------|--|-------------------|--|--------------|---------------|
| Sprint-1 | Create and Configure IBMCloud Services | USN-1 | As a user I need to enroll the cloud registration | 3 | Bharathi G |
| Sprint-1 | | USN-2 | As a user, I will create IBM cloud account. | 2 | Juliet mary S |
| Sprint-1 | | USN-3 | After creating cloud account launch IBM Watson IOT platform by accessing cloud account | 5 | Jeeva V |

| | | | | | |
|----------|--|-------|---|---|-------------|
| Sprint-1 | | USN-4 | Create the node in IBM Watson platform | 7 | Dharshini D |
| Sprint-1 | | USN-5 | After Creating node get device Type andid | 1 | kaviya R |

| | | | | | | |
|----------|--|--------|--|----|--------|---------------|
| Sprint-1 | | USN-6 | Simulate the node created | 3 | MEDIUM | kaviya R |
| Sprint-2 | Create and access Node-Red | USN-7 | As a user ,I can create Node-red by app deployment | 5 | HIGH | Jeeva V |
| Sprint-2 | | USN-8 | Connect IBM Watson with node red through API key | 2 | LOW | kaviya R |
| Sprint-2 | | USN-9 | Design the project flow using Node-Red | 7 | HIGH | Bharathi G |
| Sprint-2 | | USN-10 | Check for the proper connections and the output in the node red application | 3 | MEDIUM | Dharshini D |
| Sprint-3 | Create A Database in Cloudant DB | USN-11 | Launch the Cloudant DB and Create database to store the location data | 4 | HIGH | Jeeva V |
| Sprint-3 | Develop the Python script | USN-12 | Install the python software | 2 | LOW | Dharshini D |
| Sprint-3 | | USN-13 | Develop the python scripts to publish details to IBM IoT Platform | 6 | HIGH | Jeeva V |
| Sprint-3 | | USN-14 | Integrate the device id, authentication token in python script | 2 | LOW | Juliet mary S |
| Sprint-3 | | USN-15 | Develop the python code for publishing the location (latitude & longitude) to IBM IoT Platform | 8 | HIGH | Bharathi G |
| Sprint-4 | Create the mobile application using MIT App Inventor | USN-16 | Develop the mobile application using MIT App Inventor | 5 | HIGH | Dharshini D |
| Sprint-4 | | USN-17 | Connect to the IBM IoT Platform and get the location and Store the data in the Cloudant | 2 | MEDIUM | Jeeva V |
| Sprint-4 | | USN-18 | Create the geofence and Google map for location identification | 8 | HIGH | Bharathi G |
| Sprint-4 | | USN-19 | Integrate the geofence and Google map to check if the child is inside or outside the geofence | 11 | HIGH | kaviya R |
| Sprint-4 | | USN-20 | Send the notifications if the child is outside the geofence | 4 | HIGH | Juliet mary S |

Project Tracker, Velocity & Burndown Chart

| 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 | 21 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 21 | 29 Oct 2022 |
| Sprint-2 | 17 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 17 | 05 Nov 2022 |
| Sprint-3 | 22 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 22 | 12 Nov 2022 |
| Sprint-4 | 30 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 30 | 19 Nov 2022 |