

Sprint-8

| Backlog | Estimation in hours (per person) | Total working hours | Status |
|---|-------------------------------------|------------------------|--------|
| Testing Interface between Eclipse And V-Rep using different programs | 4 | 1025 | Done |
| Writing Different Scenarios For Robot In Eclipse | 24 | 20 | Done |

As we are successful in establishing an Interface between Eclipse and V-REP , we started testing the interface with different programs :

- Displaying Hello World!
- Mouse Position

As the interface is working fine, we started working on programming the Mobile Robot namely Pioneer_p3dx . In order to simulate the Pioneer_p3dx we followed the steps as stated below:

- Drag the Pioneer_P3dx Robot into the scene from the Mobile Robot in Model browser panel given in VREP.
- Disable the Non-threaded child script of Pioneer_p3dx by clicking on the scripts of VREP panel.
- Add a cuboid from the primitive shapes provided by V-REP.
- Now select the cuboid in the scene, Right click on the cuboid then add Associated child script either threaded or non-Threaded.
- Add a initialization command SIMEXTREMOTEAPISTART(19999) in the script of cuboid.

In order to test different scenarios on Pioneer_p3dx using Eclipse we wrote programs to move it forward and backward.

Issues faced:

- Initializing the motors of Pioneer_p3dx.
- Setting the ping time.
- Checking for the suitable operation mode.