STATEMENT OF WORK

# #1 Introduction

**AUGSENSE** engages with Forge, Open Innovation Partner for Government and Industries for developing a **VISUAL ENGINE** through Industry Sponsored Co-Creation Program.

Under this engagement, Forge shall develop the Software requirement through the Managed Product Innovation Services and deliver a minimum usable prototype(MUP) through Innovation Engineer Trainees - ProtoSem.

# #2 Scope of Work

1. To show the satellites in view above the input point. The horizontal range of the view is 100 km around the input point. The satellites should be shown in different colors based on GPS, GLONASS, Bei Dou, Galileo and Navic ,and also need to provide filters to view the satellites ; and displaying the route/speed/other details of the satellite when selected.
2. To display the parameters as a plot,(the Plot should be also based on selection of Parameters)
3. Finally ,develop a google like map in which these points are marked.Further development requirement includes a clickable map and display a text when clicked.

**#3 Critical Features:**

List of Must have Critical Features that the Solution must incorporate and a Test condition/Acceptance Criteria to validate the functionality of the Feature

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| --- | --- | --- |
| **S no** | **List of Features** | **Test Condition/Acceptance Criteria** |
| 1 | Satellite View | Sensitivity and Accuracy |
| 2 | Communication to base station | Without latency |
| 3 | Displaying the parameters in plot format | Based on selection of parameters with accuracy |
| 4 | Google like map | Accurate informations |

# #3 Milestones & Deliverables

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| --- | --- | --- |
| **Milestones** | **Deliverables** | **Target Date** |
| * Selecting efficient libraries * UI designing | Python libraries  Basic UI design | 05/05/2023 |
| * Completion of component 1 | Satellite View | 10/05/2023 |
| * Completion of component 2 | Plotting of data | 25/05/2023 |
| * Completion of component 3 | Google like Map | 05/06/23 |
| * Adding on Features | Features | 08/06/23 |
| * Testing | Complete software | 15/06/23 |
| * Pitch presentation | Solution | 26/06/23 |

**Note: Fortnight report shall be shared with all stakeholders highlighting progress, upcoming tasks, key decisions and related documents shall be shared**

# #4 Risks/Gaps

**RISKS**

* Data Accuracy
* Technical issues
* Malware
* Misinterpretations of data

**GAPS**

* Orbital coverage
* Data quality and availability
* Cloud cover
* Data interpolation

**#5 Team**

|  |  |  |
| --- | --- | --- |
| **#** | **Name** | **Role** |
| **1** | SOORAJ | STARTUP SPOC |
| 2 | PRAVEEN  ABHISHEK | FORGE SPOC |
| 3 | PRADEEP SARAVANAN  (CODER) |  |
| 4 | MOULIRAJ  (CODER) |
| 5 | MADHIHA KHANAM K  (DESIGNER) |
|  | RAMRAJ  (HACKER) |  |