

**sdmay18-30: Intelligent low-altitude air traffic management system**

Week 4 Report

October 2 - October 9

**Team Members**Humaid Al Kaabi — *Software Developer*Suhail Aldhaheeri — *Communications manager*Jun An Tan — *Software key concept holder & Report checker*Saad Alsudayri — *Simulation of Trajectory function***Summary of Progress this Report**

This week's progress has been a little stagnant. The Trajectory plotting function from last week is still in progress with results coming far from our intended outcome. We will continue to find a possible solution for it. As for others, we will be working on other functions that will solve the process of how our final software would work in accordance to fulfilling the respective conditions. For e.g step 1 -step 2- step 3....

**Pending Issues**

We will have to make sure that the different functions we have, when combined are fully working. Also we are still working on last weeks stuffs

**Plans for Upcoming Reporting Period**

we hope to complete some parts of our current tasks

**Individual Contributions**

| Team Member       | Contribution   | Weekly Hours | Total Hours |
|-------------------|--|--------------|-------------|
| Humaid Al Kaabi   | for this week, I did two main things. first, I created the third list that will handle the ongoing flights in our software and worked on developing sides function that will help to handle the main three lists that we created. second, I started working on a function that will check if two trajectories will cross each other and return the location of the crossing location | 6            | 37          |
| Suhail Aldhaheeri | I did more research on how to plot the aircraft's location and place it on the map in real time while it's doing its task. I've done the presentation slides and set up the meeting  | 7            | 24          |
| Jun An Tan        | Reworked a bit on my previous code since i was told that its a bad idea to use global  | 6            | 30          |

