Capstone Project Weekly Progress Report

Project Title	**Air Canvas**
Group Name	**Python Thinkers**
Student names/Student IDs	**Anto Francis (C0825095)** **Omer Volkan(C0856373)** **Rupesh Chandran(C0826779)** **Sachin Sreekumar (C0825096)**
Reporting Week	Jan 29, 2022 to Feb 4, 2022
Faculty Supervisor	**Prof. Parissa Naraei**

1. **Tasks Outlined in Previous Weekly Progress Report** (Provide detailed information on the tasks to be completed in this week)

   - Research about different color spaces and decide color detection.
   - Break down main tasks into smaller tasks
   - Do the initial configurations to setup project in repositories

2. **Progress Made in Reporting Week** (Provide detailed information on the progress that you made in the reporting week. Limit your write-up to no more than two page)

   - Learned about various color spaces and decided to use HSV due to its easiness.
   - Identified the libraries required for the project.
   - Epics are broken down into smaller tasks and updated in Jira

3. What did you learn about your project this week? (Provide examples of which errors you faced and how you solved it, tasks you did not consider in scope but you ended up adding as a dependency for other components of your project, etc.)

   Initially we thought of using RGB color space for color detection. But after some research, we realized that HSV color space is more easy to work with and we decided to use that. Right now, we are facing some difficulty in adjusting the values of HSV with different colors.

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4. What values did you add to your project / team during the past week? (Provide examples of how you enhanced team collaborations, conflict resolving, task distributions amongst the team members, problems you solved, visions you shared with your mates, etc.)

   We have broken down all the tasks into smaller subtasks and assigned to each person. We have assigned priorities and duration for each tasks to avoid dependency issues. We are also planning to move our internal communication to slack for the easiness.

5. How will you take your project into its next level and what do you need to do so? (provide examples of how you will enhance the quality of work and what resources you expect requiring to help you do so).

   We could add more values to this project by making the lines more smooth while drawing. We will need to explore more image processing libraries for making that happen.