Diagram

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“*None of us is as smart as all of us”*- Ken Blanchard

In order to achieve a certain goal, when a number of people work together cooperatively and collaboratively, then that process is called teamwork, [(*What Is Teamwork Actually? · Activecollab Blog* 2021)](#teamwork) and in order to complete a project for our module, as a team of 5 people, we ‘Flying Piranhas’ were formed, who worked through difficulties and hurdles to complete this project.

In the initial phase, we brainstormed and made a big list of what each of us wanted to do as a project, and so, it was quite difficult to choose a project as each one of us had several ideas. After several days of shortlisting and combining different projects, we finally decided to go with ‘Surveillance drone’. Some of the teammates had worked with each other before, while some had not, but overall, the collaboration was quite difficult at the beginning, as although we had worked in teams in some previous projects, we had not worked as a group for a big project as such. In the beginning of the project, the division of the task was quite difficult, as we had to learn a lot of materials, for this project, and so, to discuss about the project, we mainly used Microsoft Teams, as due to the global pandemic, we were unable to have physical meetings, but still, we managed through different tools to collaborate. In order to increase our productivity and to make proper progress on our project, we used the ‘SCORE’ framework.

Diagram

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Figure 1: Score Framework

In order to properly plan our project, we were taught about different tools. We first divided tasks between members. In order to create the product, we first had to research, what we have to learn. After the research, we divided the research materials between different team members. After some time, we decided to meet physically in our college, and our teacher assigned us with other people who were expect in the field of our project. We were then taught about the basics of drone, and then, we were also given other study material. Then, we were also given a drone, to test out codes on. Then, we divided our tasks among the group members and started to work on it. We had to face a lot of trouble with the development part of our project. As I mainly overlooked the coding part, I was overwhelmed with how much errors we used to get. We also did not have good accuracy in our image processing, but after trying again and again, we finally managed to create a proper product. We then tested our product and recorded the testing.

During the whole process of developing the product, and documenting it’s different aspects, I personally, learned a lot of skills. Among them, the most important are, teamwork skills, time management skills and communication skills. I also got to improve my programming knowledge, as I got to learn about new technologies and tools, such as image processing, deep learning and drone manipulation. This was also my first time working on a physical product and completing the project to make a workable product was quite satisfying. This has increased my interest in technology even more.

Overall, I am quite satisfied with my product, but still, I want to learn and work more on image processing and deep learning and make an even better product. In terms of cooperation and contributions, I could not have asked for a better team, as because of our team members, we were able to properly complete our project, and I believe we also got to learn a lot from each other as well.

# **References**

* *What Is Teamwork Actually? · Activecollab Blog* (2021) available from <<https://activecollab.com/blog/collaboration/what-is-teamwork-actually>> [16 March 2021]