**SWOT Analysis**

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1. **Strength:**
   1. Good mathematical intuition

I somewhat go at comprehending computational problems. This can be helpful in my programing end ever since the purpose of developing soft wares is find efficient solutions to computational problems.

* 1. Creative

I am good at coming up with many ideas for a single problem. I have a creative hobby (drawing and making simple animations). It could help me come up with new ideas that could help me solve challenges that I might face.

* 1. Good at breaking down problems

One the major making animations is breaking down complex movements and figure to simple manageable tasks to. I think that become a habit of me ever since and I always try break down whatever task I am given to smaller manageable portions.

* 1. Ability to focus

The ability to focus on a task at hand is one my strongest side. I can sit for 6 to 8hours just to do a single task (if I have to do so).

* 1. Good work ethic

I am diligent. I always manage do all of the task I am assigned to in a group task.

* 1. Communications skill

I am capable of expressing out on my mind to my pears. I also can present and explain an idea to the public. (Public speaking skill)

1. **Weakness:**
   1. Tunnel vision (focusing hyper fixating on small problems)

I easily get sacked into small detail. I lose focus from the bigger picture.

* 1. Weak on time management

I need to develop the habit of writing and sticking to weekly and monthly schedule.

* 1. Lack of consistent self-image

Do not have a full understanding on what I am capable off and what I am not. Writing this analysis has helped me to improve this problem a bit but more needs to be done.

1. **Opportunity**
   1. Being university student

Being in an institute of higher education has many benefits. First it is great place to meet peers that are interested with similar interest. This can helpful since we could share to resources and programs that could help us in getting closer to our goal. In fact this how I got to do the project.

Going to AASTU is full of opportunities related to software engineering since it is a university that primary focus on technological innovation. There are many opportunities like in clubs like GDSC and A2SV.

* 1. Access to the internet

In the digital age we live in there is more resource about programing than one can count. Due to this fact it is clear that anyone can teach themselves any programing language as long as the person is dedicated and persistent. Not only there are learning resources there are also discussion forums we people can ask for assistance in a problem they are facing.

1. **Treat** 
   1. Being relatively new to programing

Not knowing programing earlier can be a keep me behind.

* 1. Having school schedule

One the most valuable resource I have as a student is time. Being a university student I have a commitment to the day time schedule issued by the university. In addition to this I have to study and do assignments. All these are consuming the time can leave for working on the project. These can lead to potential delay in deadlines we set for ourselves.

* 1. Unreliable internet service

Living in a third world country there is a huge problem in internet accessibility. This cases complications in our learning phase for the project.

1. No experience in working with projects in such magnitude
   1. As second year, I have not been exposed to large scale project before. Not knowing the procurers before time can result in a delay in the project.

**Plans to take advantage of opportunities I have**

* I plan to use the extracurricular as effectively as possible without risking my academic performance. The best way to do so is by engaging with activity per semester in order maintain the work load
* Utilizing the my peers in order to network with fellow minded people in order to engage in future opportunities that this collage offers.
* Using the internet for my progress rather that for my destruction by setting measurable goal to improve my code skill.

**Plan to improve upon my weakness and possible work around for my treats**

In order to solve problem in seeing the bigger picture,

* Try to regularly set goals and regularly review my progress accordingly
* Allow time for reflection so that I can see how much I have progressed in a day
* Try to consider the long term impact on the tasks I do

Solutions to my time management issue

* Making sure I set goals ever week and have regular review on how much I have fulfilled
* Set reminder in accordance to my plans in my laptop via sticky notes and phone through calendar reminders.

Solutions to my self-image problem

* Regularly analyze my strength and weakness and see how much I have improved through time.
* Ask friend and family for input in order to see if I have messed any quality of mine (good or bad).

Work around for my treats

* Try my best to catch up by actively seeking free time to practice and learn programing.
* Instead of over pilling tasks to do, I will try to find out what tasks would be the most rewarding to do with my limited time.
* Try to find resources that can be downloaded and accessed offline whenever there is difficulty with connection