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**Section and Time:** CPE51FB2 10:30AM – 12:30PM

**Group Project: “**The Design of a Controlled Environment System for High Value Crops” **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1) The first impression of the investor is the most critical part in the elevator pitch. Because the first part of your pitch is where the most attention are given. It is the part were the investors becomes curious. So my first approach in my elevator pitch is by delivering the problems that they can relate to. I will first tell them “Are you wondering why some fruits and veggies sold in the market like strawberry are expensive?” with this question they will be curious and be interested in my project as well. The next part would be the sub-problems I will be solving like food security, lack of arable land, climate change, etc. with this kept in their mind they will be full of question and will be excited to what solution we will be implementing. The next thing I would do is introduce our project, I would introduce first the function of the project and its features as well. After that I would focus on the uniqueness of our project compared to the existing projects that are the as of today.

2) As a computer engineer, I will first determine what project are best suited in that kind of situation. I will check if the market has already that kind of Web Design and/or Computer Apps. With these kind of data I can formulate a design where my kind of Web Design and/or Computer Apps. I will consider the uniqueness of my Web Design and/or Computer Apps, I will create it in such a way that it I will have an edge on other existing Web Design and/or Computer Apps in the market. I will focus on its function but creating my own uniqueness in the other design as well. In addition to that creating a Graphical User Interface that will be user friendly can have a big impact in my Web Design and/or Computer Apps. This GUI will boost its marketability because all users prefer a beautiful appearance.

3) The most thing I need to do in creating that workplace is to ensure that that files that the lawyers and legal officers are making are in a great and tight security to prevent file stealing or sometimes to prevent producing any copyright papers. In short the most crucial in creating this workplace is the security. The collaboration of the lawyers and legal officers can be touch by other users by hacking them. With this in line, I need to create a verification in which the system will know that only the lawyers and the legal officers are using the workplace. Analysing the evidence can be a confidential part if the evidence was tainted. With this problem I need to make sure that the evidence cannot be viewed by anyone except the lawyers and legal officers only, I can encrypt this information and create a lawyer and legal officer rights that only them can access it. And lastly I need to ensure that the sending and transmitting of message is also secured. With this I can create a Virtual Private Network to add security to the packets.

4) Being an engineer especially a computer engineer. We follow the correct form in determining and solving the problem which is the “Engineering Design Process”. The first process is to define the problem, the problem here is that people need a way to walk using only one foot when their feet or legs is injured. Considering this kind of problem the next process would be to do a background research in the problem. I need to do a research which will answer some questions in the problem such as “why do people get their feet or legs injured?”, “why do they need to walk instead of resting?” with this I can come up with the idea of what I am going to build or to do. The next process would be specify the requirements, I need to state what I would be needing like I need to create a way that they can walk or move around with both feet while injured or I need to create a way where it can speed up its healing process. The next process would be brainstorming, evaluating, and choosing a solution. In this process I need to choose what kind of solution I would be doing, in this case I need to create a way where they can walk or move around while their feet is injured. For me the best solution is to create a remote smart wheelchair that will assist him in moving around as well as help him speed up his recovery process. The next process would be to develop and prototype solution. In this process I will now create a prototype which is a remote smart wheelchair and develop its functions like to getting some object and provide medications in the injured part. And the last process would be to test that solution, testing the solution would be the crucial part of the process because you need to know if the solution meets the requirements or the solution meets requirements partially or not at all. With that in mind, if you successfully meet the user requirements then you need to now communicate with results. On the other hand if the solution meets the requirements partially or not at all you need to analyse the results and data and based on it you need to make changes in what are you lacking then test again and review the new results all over again until you meet the user requirements.

5.) I am deserving to pass Design Project 1 because I have fulfil and passed all the needed requirements in design project 1. Despite that, I am also able to create my own solution using “Engineering Design Process”, I am able to design my own project based on the requirements. With this I think I am fully prepared with the Design Project 2.