

MUHAMMAD SYAHIR SHAHIMI

E 322 DESIGN 6 ASSIGNMENT 3

I PLEDGE MY HONOR THAT I HAVE ABIDED BY THE STEVENS HONOR SYSTEM

Project 1

Project Definer: George Lehaf

Name of Project: Self Charging Cellphone

Potential Contributions:

- Developing the self-charging function of the phone with other few team members
- Working on the design of the phone

Suggestions:

- Use the kinetic-charging concept (usually applied in watches) instead of implementing motor in the system. This does not require much space and building a thinner phone would be possible

Will I consider working on this project over the semester?

- Yes

Project 2

Project Definer: Sharder Islam

Name of Project: Touch Screen Table

Potential Contributions:

- Working on the design of the table, or the user interface of the system

Suggestions:

- The touch screen part of the table does not take so much space (10 inch diagonal is pretty good)
- Include gaming mode in the system so that customers can have some entertainment while waiting for their food

Will I consider working on this project over the semester?

Yes

Project 3

Project Definer: Suwen Shen

Name of Project: Digital Archery Target

Potential Contributions:

- Working on the sensor system of the digital target

Comments/Suggestions:

- Additional sensors such as sensors that can measure the arrow speed and the arrow penetration strength can also be added to the system

Will I consider working on this project over the semester?

Yes

Project 4

Project Definer: Rodrigo Gualberto

Name of Project: Vehicle Control through Custom Software

Potential Contributions:

- Designing the remote control
- Programming

Suggestions:

- A normal remote control should also be considered so that the device does not depend entirely on a computer.
- The portable remote control should have the important features such as screen (to display the view of the camera)

Will I consider working on this project over the semester?

- No

Project 5

Project Definer: Afiq Izzat Mohamad Fuzi

Name of Project: Micro Air Vehicle

Potential Contributions:

- Designing and building the MAV

Suggestions:

- Since the MAV is not made from very strong materials, it need to be camouflaged in order to avoid from being seen
- Include small solar panels to the MAV so that it can store extra energy

Will I consider working on this project over the semester?

No