

Charging Station Progress

Group Number: 22A

Group Advisor: Pr. Bigelow

Group Client: Pr. Bigelow

Group Members: Hamzah Abeer, Aziz Almarzouqi, Nick Riesberg, Derek Schmitz, Matt Stobb, Brandon Umscheid

During our 5th group meeting, we grouped into 3 subgroups. Hamzah and Aziz will be working on the micro-controller. Nick, Derek, and Brandon will be working on the circuitry and layout schematic of the charger itself. Matt will be working on the safety aspect of the project.

We then discussed the micro-controller and what we wanted it to do. We decided to have it send data such as how charged the battery was, to a blue tooth device. We wanted it to also be able to shut off the power to the battery once it is fully charged. Hamzah and Aziz picked out a micro-controller to use, and now are waiting to verify it on its quality and functionality. They said it could cost about \$150. With this, they also picked out the Bluetooth device.

Nick, Derek, and Brandon will have a meeting after class on Wednesday to plan a schematic of the circuit for the charging station. Some of the things that will be discussed will be how it is plugged into the car, how the circuit will look, how the micro-controller will monitor the charging and if it will shut off the power once the battery is fully charged. Matt will be looking into battery protection systems and safety/shutoff systems that will be incorporated into the design of the circuit.

The last thing we discussed was about our website. We talked about getting clarification on how the website will be set up how will be setting it up.

The next group meeting is set for Thursday at 4pm.