Team Name: Collaboration Team

09/12/2021: Individual Journal

Maximillian Burrell

Z749D638

Week of Sept. 7th

**Product Title:** “Smart Park System”

**Product Description:**

The product idea my group and I came up with is called the “Smart Park System.” It is essentially a scanner that detects vehicles parked in the allotted spaces for each area on Wichita State University’s campus grounds. It’s a mechanism that will allow parking lot attendees to determine if spots are taken for certain events such as basketball games and other sporting events. It will allow people to safely secure their spot, given they have paid for that spot to park (no matter the purpose), and if there is something obstructing their path to park. It is essentially a scanner that will determine if there is a vehicle there or not. It will allow parking lot attendees to check for violations and to report and/or tow vehicles at the expense from belligerent bystanders illegally parking in reserved spaces owned by the university.

**Primary Application:**

As of right now, there could be a possible conflict with another team with the same idea. However, Andy and Coach are okay with the idea being incorporated with two possible teams, but there will be high expectations. I personally do not know if the other team will decide to do it. However, I am making one for my team and running with this idea. I cannot stall since I am also a full-time employee aside from the pursuit of my education at the university. After communication with the team, there has been no research conducted yet, at least not that I’m aware of. Only the proposal of the idea and the decision to go for it. We will begin research and building this coming week. In the meantime, we’ll decide if this is something we are looking to do long-term. If it’s just a school project we would need to make sure that we essentially have a very well-prepared manual, so that WSU could take it over and actually install it in all their parking stalls. Otherwise, we should end up forming our own company, which is where I’m leaning towards personally. I do not like the idea of the university owning the rights to my work or my team-mates so I’d personally love to be an owner.

**Goal of the Week:**

To begin prototype development of the scanner-device. After all, life as an engineer is all about optimization and invention in my view. By optimization, I mean to fully develop something to function and perform work as efficiently as possible. As of right now (3:20 pm 09/12/21), we have not begun to build anything yet.

**Potential Problems:**

I believe every member in our group have full-time jobs (at least I do), so it will be difficult allocating the workloads for this project. Fortunately, we all have been communicating with each other on a frequent basis now so that is great. We just haven’t started a build yet and I think everyone is behind in all their classes right now, including myself, so this task will be arduous (particularly since I have a full-time job). I shared with my team my weekly schedule concerning my job and my education simultaneously. I just hope everyone can do work and we hold each other accountable for real.