**Dev Shah**

**WEEK 2:**

**Date:** 1/21/22  
**Total hours:** 5  
**Description of design efforts:**  
I, along with the rest of my team, spent some time brainstorming what parts we could use for the project. We found a heart rate sensor and carbon monoxide sensor that could be used with our ESP32 microcontroller. Other than brainstorming parts, I worked on the [Functional Specification](https://engineering.purdue.edu/477grp19/Files/docs/2_FunctionalSpecification.docx) document. My work on this document included describing our project's expected use case, which would be construction workers and their supervisors, and describing any computational tasks and constraints the project has. Determining when a worker falls compared to when they take off the hard hat is a computational task we will have to work on, for example.