

Raspberry Pi Learning

While determining how we would code the entire system, there was a lot of discussion on what microcontroller to use. The main discussion was comparing an Arduino to a Raspberry Pi. For our research purposes we tried to find out the pros and cons of both. To do this we had a meeting with the Engineering Technical Librarian at the University of Idaho to teach us about the Raspberry Pi.

The positives we found with the Raspberry Pi was the multiple outlet possibilities to make it easier to code things like the Barcode system. The next positive for the Raspberry Pi was the ability for it to read other files using Python Code as our goal is for it to interpret an Excel Sheet. The Raspberry Pi does need to make sure it has a complete connection to the power source to continue running the code. There are also multiple libraries for the Python code that we can use to help us code our system, since none of us are experienced coders.