**Atlantic Technological University, Sligo**

Obrázok, na ktorom je text, vizitka, snímka obrazovky, písmo

Automaticky generovaný popis

**Individual Report**

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Course: BSc in Software Development L7

Year: 1

Our group for the project on the course Internet of Things, consisted of me, Martin, and Alekss. We previously worked together during the 1st semester on the Designing Thinking project as well, so we have already developed a great understanding of each other in the technical area and in the personal and professional areas. We took our time with choosing the theme of our project as we wanted to be 100% sure we would be able to make that idea come through. At first, we had many great ideas, but after a few meetings and very careful consideration, we opted for the idea that was the most realistic one in terms of our free time and skills.

We decided to make a room monitoring system, for which we found many YouTube tutorials as well as official documentation, which made the process a bit easier for us. As previously mentioned, we understand each other well so far and each of us knows the other person’s strengths and weaknesses. We used that to our advantage and built the project around our skills. I took on the role of developing the mobile application for our Arduino project as I am very interested in developing mobile applications and, we thought it would be a great idea to give the consumers a nice visual representation of the data that the sensors gather.

So far, I am enjoying the process of developing the mobile application, as I am learning a new development platform, Blynk. Up to this point, I only developed mobile applications in Flutter, so I mark this as a big positive and a step forward for me in the mobile development environment. To be honest, my only disappointment is that Blynk offers very few widgets on the free version to build the mobile applications. Due to that I was very limited on how to approach the creation of the user interface.

We as a group function very well, each of us came on time for the meetings and all of us attended classes so we did not have any trouble with communication, which I am delighted with. The only thing that each of us should work on is updating the Trello page, which in future would mean uploading the work on the right place. Each of submitted the work on time or when they changed, they notified other members, but for all these actions we made mostly via social media or discord. With this I am trying to make a point that we should have transferred all the communication from social media and discord to purpose designed Trello page.

The only problem we faced was with the Blynk development environment as its library was too big for the Arduino YÚN storage space. But thanks to the skills each of us possesses we quickly came up with possible solutions to resolve this issue.