

**DEPARTMENT OF Electronic & Computer Engineering**



**Course(s):** All

**Level:** 1

**Module Code:** EE1616

**Module Name:** Level 1 Electronic Workshop

**Title of Assessment:** PIC Project

**School of Engineering & Design  
Electronic and Computer Engineering  
PIC Project**

# Individual Report

Brunel Student ID: 2161047

Group Number: 5

In this PIC group project, I'm from Group 5. And I'm the group leader. Obviously, I need to lead my team to complete this project.

At the beginning of the project, I carefully read the requirements in the project documents. Then I divided the task into 4 parts: codes, process report, final report and presentation. The most important part is code. So, I read the requirements for the project tasks many times and discussed them with the team members. I understand that our task is to make a home security system. Finally, I wrote a detailed task arrangement, which contains what we need to do in each step of our code. Then I started the following work according to the document I wrote.

This task requires LCD and KEYPAD, we learned this part of code last semester. But it during a long time, so I asked my team members to review the LCD and KEYPAD codes and report the results to me the next week. Then I divided the work among the team members. Yufeng Tao is responsible for writing weekly process report and final report. Ziyue Ren is responsible for writing final report. Xiye Wen and me is responsible for investigate the codes.

In the next 4 weeks, my main task is to write code, because the assembly language is very different to C language. So, I spend a lot of time to investigate. Whenever my PIC has made some progress, I will send it to our team members. Because everyone has a different foundation, so I've almost written all the code.

In week 5, our codes parts are basically completed. Thus, I make a template for PPT and do my part of the PPT. Then I send the PPT to everyone and ask them to complete their PPT from the PPT template. Because of presentation, everyone need complete the PPT. Finally, they sent me their completed PPT, and then I made the final revision.

At the beginning of the sixth week, we start to write final report. As the group leader, I ask Ziyue Ren to write the main parts of the report, Yufeng Tao write the summery. And I write the code interpretation. I give them 3 days to complete the first edition

report. I found that the report lacked focus, and the logic was somewhat confused. Thus, I asked them to revise the report, and put some important things on the beginning of the report.

At the end of our group project work, in order to prevent quarrels in the group due to everyone's contribution. I wrote a list of team members' contributions, list the contributions of everyone and give the corresponding scores.

Finally, I think I need to make some comments on myself. I can lead my team to work together and have very good progress every week. I think this is my advantage. I think I have some serious disadvantages. I think I lack experience as a team leader. I don't have a clear division of tasks for everyone, so that some people have no task to do. And I do not explain my codes to everyone, some group members also don't know the function of my code very well. In the future, I need improve myself, I hope I can become a successful team leader.