**Project Log – Daenkai Boonrat**

**Day 1, 9th July 2020**

**Task**: Today is a first of re-creating my project for repeating the project module I will carry on the work from my last project and I will do more research to find different kind of methods to improve my project.

**Results:** I havefound different methods to improve my projects, which I spent some time reviewing them then used the one that I think was achievable as my guidelines to improve this project and will continue to plan out my next step on next day.

**Day 2, 11th July 2020**

**Task**: Carry on from yesterday, today I will plan out how my hardware would look like and re-draw the schematic and diagram of the improve version , first I have do some research on how to connects home appliances components to relay and how then to connect from relay to my esp8266 microchip before I can draw anything and then I will need find out how many new components I have to get in order to re-create my own home-appliances .

**Results:** I finished design both my schematic and my diagram (see pics) and went shopping to get some of the component parts in Woodie’s DIY, then ordered some of the components online(amazon.uk).

![A close up of a map

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A picture containing room

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**Diagram**

**schematic**

**Day 3, 18th July 2020**

**Task**: After received all my components, I will continue my work start by wiring up all the home appliances to the relay and the wiring my relay following the schematic that I designed as my guidelines to create my home appliances.

**Results:** Have all the components connected and will test if they are working on the next day.

**Day 4, 23rd July 2020**

**Task**: Today I will be working on the technologies (software parts) of my project, I will be re-creating my new set voice commands in google assistance using IFTTT web base service and I will test the voice commands using my google assistance application on my iPhone to see if the application will response to my set up voice commands.

**Results:** I have created my new set of voice commands (see pics) and tested them, the results are very good the application seems to recognize my commands and response to it the way I wanted it to do(see pics

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**Day 5, 25th  July 2020**

**Task**: Carry on from yesterday I will be working on another technology (software parts) of my project, I will be re-creating my new set triggers using adafruit io dashboard and I will test the voice commands using my google assistance application that I created and tested yesterday will this net set of triggers that I will created today to see if they are receiving date signals my from voice commands.

**Results:** as a results of today I have created my new set triggers (see pics) and tested them, the results came out very good my triggers in adafruit io are receiving all my signals from my google assistance voice commands. Now all my voice commands and triggers are working well together, and it is time to test them with my home appliances I will carry out this task on another day.

**A screenshot of a cell phone

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**Day 6, 20th July 2020**

**Task**: Today I will be writing up my new set of code using the previous code as example and will testing it to see if it will be working as I expect it to be.

**Results:** I have finished my code and tested it couple of times, it compiled perfectly but to see if it will be working when I upload to the ESP8266 microchip I will need to test it again on the next day.

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**Day 7, 29th  July 2020**

**Task**: Today I will upload my code to the esp8266 micro chip board and test if my home appliances is functional.

**Results:** as a result of today works, my home appliances are perfectly functional with my voice commands from google assistance app allowed me to wirelessly control the connected device with my voice.

**A picture containing indoor, table, cup, sitting

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**Day 8, 30th  July 2020**

**Task**: Today I will be working on my poster

**Results:** Have my poster done.

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**Day 9, 3rd  August 2020**

**Task**: Today I will be working on the presentation video of my project.

**Results:** finish recorded my videos and will be editing on the next day.

**Day 10, 6th  August 2020**

**Task**: Today I will be editing my videos and will upload it to YouTube.

**Results:** finished editing my video and uploaded it to YouTube.

**Day 11, 8th  August 2020**

**Task**: Today I will be working on my project report

**Results:**

**Day 12, 8th  August 2020**

**Task**: continue working on my report

**Results:**

**Day 13, 14th  August 2020**

**Task**: continue working on my report

**Results:**

**Day 14, 18th  August 2020**

**Task**: continue working on my report

**Results:**

**Day 15, 23rd  August 2020**

**Task**: finishing up my report.

**Results:** have my report finished.

**Day 15, 24th  August 2020**

**Task**: Today I will be finishing up everything and have them upload to moodle.

**Results:** have all my work uploaded to moodle.