**Project Development – Weekly Update**

**Smart Household Energy Monitoring and Management**

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Week Number: 4

In Progress

Complete

Delayed

| *Activities carried out this week* | | |
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| **Item** | **Description** | **Status** |
| 1. | **Task #3 - Trying to send data via the library example.**  For the Firebase connectivity I am using an esp8266 firebase library which does provide example code to reference. This works for me on the ordinary database but having issues with the Realtime updates. |  |
| 2. | **Task #3 - Adding the known necessary code to the project file.**  I have added code from the examples provided by the library. This code is information that I know I will need, such as Wi-Fi SSID and password and the URL link to the firebase database. These are all variables stored on the Arduino and can be called on when needed. |  |

| *Plans for the next period* | |
| --- | --- |
| **Item** | **Description** |
| 1. | **Researching more into how to utilise the real-time database.**  As mentioned earlier, I have struggled to get the esp8266 to send Realtime data to the database. The values are not showing up in the database. So, this week I will be doing more research as to why this is and will check for past examples to check where I am going wrong. |