

**MAJOR PROJECT - Final Report – 55%**

|                         |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| Student Name:           | Boonchan Luee Lewis                                                                    |
| Title of Project:       | Creating a Automated Lighting & Heating ...                                            |
| Supervisor:             | Caplain Radha Krishnan                                                                 |
| 2 <sup>nd</sup> marker: | Carlene Campbell.                                                                      |
| Course:                 | BIT BusComp CIS <u>CNets</u> CSE Electrical<br>Games Mobile TRE SE Web (please circle) |
| Project Type:           | Survey Review <u>Experiment</u> Development (please circle)                            |

|                                                                                                                                      | Mark % |
|--------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b><u>First Marker's General Comments and Original Mark</u></b><br>Could have been a better project if more effort and time was put. | 51%.   |
| <b><u>Second Marker's General Comments and Original Mark</u></b>                                                                     |        |
| <b><u>Comment After Consultation With Other Marker &amp; Final Agreed Mark</u></b><br>Agreed at 52%.                                 | 52%.   |

Signature: ..... Date: .....

|                                        | Survey | Review | Experiment | Development |
|----------------------------------------|--------|--------|------------|-------------|
| <b>1. Research-informed Literature</b> |        |        |            |             |
| Introduction                           | /5     | /5     | 2/5        | /5          |
| Literature Review                      | /20    | /35    | 90/20      | /15         |

Comments:

Can of discussion on power background on intro. This should be on what is the project, why it is important and impact of the project. Not about project report. Aim & objectives were clearly stated.

Lit. review - Not sure why so much discussion on WSN. MANEET 2. Also this links with main aim of project. More focus should be on IoT and Technology for Smart

|                                                  | Survey | Review | Experiment | Development |
|--------------------------------------------------|--------|--------|------------|-------------|
| <b>2. Knowledge and Understanding of Subject</b> |        |        |            |             |
| Methodology                                      | /5     | /5     | 2/5        | /5          |
| Survey Design                                    | /15    | -      | -          | -           |
| Requirements/Design                              | -      | -      | -          | /5          |

Comments:

Evaluation / Justification of chosen methodology is missing. Why experiment and simulation?

NO discussion on other software / hardware available on market.

|                                 | Survey | Review | Experiment | Development |
|---------------------------------|--------|--------|------------|-------------|
| <b>3. Analysis</b>              |        |        |            |             |
| Results & Discussions           | /25    | /25    | 14/25      | /25         |
| Conclusions and Recommendations | /10    | /10    | 3/10       | /10         |

Comments:

Weak evaluation of results. Lot of screenshots with brief summary of what was it. But ~~no~~ limited critical analysis on results. NO explanation on why the temp was varying and how it was controlled.

Conclusion was summary of each chapter. NO conclusion on findings and how objectives were met.

|                                                | Survey | Review | Experiment | Development |
|------------------------------------------------|--------|--------|------------|-------------|
| <b>4. Practical Application and Deployment</b> |        |        |            |             |
| Development                                    | -      | -      | -          | /15         |
| Experimental Design                            | -      | -      | 10/15      | -           |

Comments:

Implementation on PT looks good, but the practical side is so weak. NO discussion on why both methods were chosen. would have been better if focused on one method.

|                                                                                                                                                                                                                                                                                                                  | Survey      | Review      | Experiment  | Development |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| <b>5. Skills for Professional Practice</b>                                                                                                                                                                                                                                                                       |             |             |             |             |
| Reflection                                                                                                                                                                                                                                                                                                       | /10         | /10         | 7/10        | /10         |
| Quality of Report                                                                                                                                                                                                                                                                                                | /10         | /10         | 8/10        | /10         |
| <b>Comments:</b><br><p>Good reflection on self and how the project was conducted.</p> <p>The report follows good structure. but lot of typo, spelling mistakes. So many sentences stop <del>sample</del> halfway without proper ending.</p> <p>flow of information is sporadic, make it difficult to follow.</p> |             |             |             |             |
| <b>TOTAL:</b>                                                                                                                                                                                                                                                                                                    | <b>/100</b> | <b>/100</b> | <b>/100</b> | <b>/100</b> |