**Graduation Project**

**Appendix 3**

**Literature review report Evaluation**

The evaluation criteria for **Literature review report** (10 marks) is as follows:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Criteria** | Poor | Needs Improvement | Satisfactory | Good | Excellent |
| Background and User research | 2 | 4 | 6 | 8 | 10 |
| Hypothesis | 1 | 2 | 3 | 4 | 5 |
| Sketched and existing products | 2 | 4 | 6 | 8 | 10 |
| Experts Opinions | 1 | 2 | 3 | 4 | 5 |
| Conclusion | 1 | 2 | 3 | 4 | 5 |
| Proposed Project and justification | 1 | 2 | 3 | 4 | 5 |
| Timely submission | 1 | 2 | 3 | 4 | 5 |
| Language & organization | 1 | 2 | 3 | 4 | 5 |

**Note:** Marks should be added and multiplied by 1/5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Prototype Design Evaluation**  The evaluation criteria for **Prototype Design** (20 marks) is as follows:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Criteria** | Poor | Needs Improvement | Satisfactory | Good | Excellent | | Design Specifications | 3 | 8 | 12 | 16 | 20 | | Analysis | 1 | 2 | 3 | 4 | 5 | | Sketching | 1 | 2 | 3 | 4 | 5 | | Block diagram | 1 | 2 | 3 | 4 | 5 | | Electrical Circuit | 2 | 4 | 6 | 8 | 10 | | Orthographic drawing | 2 | 4 | 6 | 8 | 10 | | Sequence and duration estimation (Gantt Chart) | 1 | 2 | 3 | 4 | 5 |   **Note:** Marks should be added and multiplied by 1/3 |

**Research methodologies Evaluation**

Evaluation criteria for the research methodologies in case of scientific experiment (20 marks) is as follows

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Criteria** | Poor | Needs Improvement | Satisfactory | Good | Excellent |
| **Hypothesis is directly** related to  problem, and **has** back-ground information | 1 | 2 | 3 | 4 | 5 |
| Independent, dependent , and control variable(s) are **identified completely** and **relevant** to the investigation | 1 | 2 | 3 | 4 | 5 |
| **All** data is presented in a manner that is **organized** and **easy to read**. Data includes graphs, charts, tables, measures, etc. | 1 | 2 | 3 | 4 | 5 |
| Uses observations, data, vocabulary, and other evidence to **create a well- supported** statement showing knowledge gained. | 1 | 2 | 3 | 4 | 5 |
| **Detailed** discussion of all aspects of experiment results**[identify** and **discuss** **weaknesses** in the procedure or experimental **error,** **suggest** changes to the procedure**]** | 2 | 4 | 6 | 8 | 10 |

**Note:** Marks should be added and multiplied by 2/3