**CSE 310 Project Report**

**1. Project Title:**

[*the title of your project*]

**2. Project Members:**

[Name, Registration No]

**3. Project Github Repository Link:**

[The repository can be either public or private. add [nahiyan.uddin.102@gmail.com](mailto:nahiyan.uddin.102@gmail.com) as a collaborator of your project]

**4. Objective:**

[The final goal of your project]

**5. Motivation:**

[Why have you chosen this project idea?]

**6. Critical Challenges:**

[Challenges of the project]

**7. Conflicting requirement:**

[What are the conflicting requirements of your project? See the sample project for example]

**8. YouTube link of project demonstration:**

[youtube link]

**9. How Ks are addressed through the project:**

|  |  |  |
| --- | --- | --- |
| Ks | Attribute | How Ks are addressed through the project |
| K1 | **Science:** theory-based understanding of the natural science applicable to the discipline |  |
| K3 | **Eng. fundamentals:** A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline |  |
| K5 | **Design:** Knowledge that supports engineering design in a practical area |  |

**10. How Ps are addressed through the project and mapping among Ps, COs, and POs:**

|  |  |  |
| --- | --- | --- |
| Ps | Attribute | How Ps are addressed through the project |
| P1 | **Depth of Knowledge Required:** Cannot be resolved without in-depth engineering knowledge at the level of one or more of K3, K4, K5, K6, or K8 which allows a fundamentals-based, first principal analytical approach | [explain how your project satisfies this attribute] |
| P3 | **Depth of Analysis Required:** Have no obvious solution and require abstract thinking, originality in analysis to formulate suitable models | [explain how your project satisfies this attribute] |
| P6 | **Extend to stakeholders:** Involve diverse groups of stakeholders with widely varying needs | [explain how your project satisfies this attribute] |
| P7 | **Interdependence:** Are high-levell problems including many components parts or sub-problems | [explain how your project satisfies this attribute] |

**11. How As are addressed through the project:**

|  |  |  |
| --- | --- | --- |
| As | Attribute | How As are addressed through the project |
| A3 | Innovation: Involve creative use of engineering principles and research-based knowledge in novel ways | [explain how your project satisfies this attribute] |