**GROUP PROJECT REPORT ASSESSMENT FORM**

Department of Mechanical Engineering

Semester: Jan - April 2020

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Project Title: |  | | | |
| Group/Students: |  | | | |
| Evaluator Name: | | Signature: | Date: |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Criteria** | | **No information provided**  **(0)** | **Does not meet expectation**  **(1)** | **Meet the expectation**  **(2)** | **Exceeds expectation**  **(3)** | **Points** |
| **Engineering Knowledge**  **(CLO1/PLO1)**  **(10%)** | **Knowledge and application**  **(5%)** | No background knowledge has presented in the report. | Fails to apply relevant knowledge and concepts to the problem; misunderstands or fails to recall critical points. | Applies the relevant knowledge and concept to the problem, possibly in a roundabout way; understands the major points of the knowledge, with possible misunderstanding or failure to recall minor points. | Applies the appropriate knowledge and concepts to the problem with accuracy and proficiency; shows precise understanding of these knowledge and concepts. |  |
| **Modeling Process**  **(5%)** | Does not provide any modelling process. | Does not understand the connection between a design process and/or scientific principles applies to the design. | Chooses, rather than develops, an existing model and/or scientific principle that applies to the design. | Combines new and/or scientific principles to formulate models of the design. |  |
| **Design / Development of Solutions**  **(CLO2/PLO3)**  **(10%)** | **Design strategy**  **(5%)** | Not using any design strategy / approaches or what has been done on previous work. | Use a design strategy / approaches or what has been done on previous work. | Develop new design strategy/approaches or improves on what has been done on previous work. | Develop several new design strategy / approaches or improves on what has been done on previous work and find the optimum solutions. |  |
| **Constraints**  **(5%)** | Design solution that no consideration for public health and safety, cultural, societal, and environmental aspects. | Design solution that includes any one of the aspect: public health and safety, cultural, societal, and environmental. | Design solution that includes any two of the aspect: public health and safety, cultural, societal, and environmental. | Design solution that includes consideration for public health and safety, cultural, societal, and environmental considerations. |  |
| **Modern Tool Usage**  **(CLO3/PLO5)**  **(10%)** | **Techniques**  **(7%)** | Not provide any type of software in the report. | Cannot select the appropriate design and features required to design the product. | Needs some guidance in selecting appropriate design and features required to design the product. | Uses computer-based and other resources effectively in assignments/projects. |  |
| **Resources**  **(3%)** | Not provide any software source in the report. | Seeks no extra information for design and features other than what is provided by instructor. | Seeks information for design and features from a few sources - mainly from the textbook or the instructor. | Seeks information on problems from multiple resources. |  |
| **Total / 30** | |  |  |  |  |  |

Assessor comments (if any):