**Senior Project - Report Evaluation Form**

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| **Project Name: …………………………………………………………………………………………………….**  **Semester: ………………………………**  **Supervisor Name: ………………………………………………………………………………………………….**  **Evaluator Name: …………………………………………………………………………………………………**  **Date: ……………………………………………** | | | | **Students Names** | | **Student IDs** | |
| 1. **…………………………………………………….** 2. **…………………………………………………….** 3. **……………………………………………………** | | **…………………..**  **…………………..**  **…………………..** | |
| **No** | **Attribute** | **Outstanding (4-5)** | **Fair (2-3)** | | **Poor (1)** | | **Score** |
| 1 | **Define the problem** | The problem to be solved is clearly stated. Objectives are complete, specific, and concise. Customer needs are correctly identified and transformed into design requirements. All applicable realistic constraints are identified | The problem to be solved is described but: 1) there are minor omissions or vague details, 2) objectives are incomplete, 3) objectives are badly transformed into design requirements, or 4) some important realistic constraints are neglected | | No mention is made to the problem to be solved. | |  |
| 2 | **Use of Supporting Graphs, Tables, etc.** | Uses graphs, tables, and diagrams to support points-to explain, interpret, and assess information | Uses graphs, tables, and diagrams, but only in a few instances are they applied to support, explain or interpret information | | Graphs, tables or diagrams are used, but no reference is made to them | |  |
| 3 | **Terms** | Shows appropriate engineering interpretation of mathematical and scientific terms | Most mathematical terms are interpreted correctly | | Mathematical terms are interpreted incorrectly or not at all | |  |
| 4 | **Component**  **Relationship** | Demonstrates understanding of how various pieces of the problem relate to each other and the whole | Relationship Is missing some of the pieces of the whole problem | | Does not realize when major components of the problem are missing | |  |
| 5 | **Resources** | Uses appropriate resources to locate information needed to solve problems | Uses limited resources to solve problems | | Uses no resources to solve problems | |  |
| 6 | **Designs a reliable and relevant experiment** | Objectives are identified and measurable. Covers relevant Background/ Theory with exhaustive references. Work Plans are meticulously developed step by step. Identifies Variables and selects appropriate Tools. Lists and explains all pertinent Safety/Environmental/ Ethical issues comprehensively. | Objectives are identified and measurable. Covers relevant Background/Theory with sufficient references. Work Plans are meticulously developed step by step. Identifies Variables and selects appropriate Tools. Just lists all pertinent Safety/ Environmental/ Ethical issues fairly. | | Objectives are not identified. Work Plans are not developed step by step. Selects inappropriate Tools. Fails to list any pertinent Safety/ Environmental/ Ethical issues. | |  |
| 7 | **Analyzes and interprets data** | Comprehensively understands the data in terms of variables (dependent/ independent), assumptions, deviations and experimental uncertainties etc. Organizes the data in figures and tables using modern software tools extensively for analysis. Discusses/compares his/her results in the light of obtained results/theoretical models of similar studies from other sources extensively. Concludes rationally based on experimentation and clear reasoning. | Sufficiently understands the data in terms of variables (dependent/independent), assumptions, deviations and experimental uncertainties etc. Organizes the data in figures and tables using modern software tools sufficiently for analysis. Discusses/compares his/her results in the light of obtained results/theoretical models of similar studies from other sources sufficiently. Concludes rationally based on experimentation and fair reasoning. | | Poorly understands the data in terms of variables (dependent/independent), assumptions, deviations and experimental uncertainties. Fails to Organize the data in figures and tables using modern software tools. Fails to Discuss/compare his/her results in the light of obtained results/theoretical models of similar studies from other sources. Fails to conclude rationally based on experimentation and acceptable reasoning. | |  |
| 8 | **Demonstrate awareness of economic, societal, and environmental impact of engineering solutions.** | Deeply understands the economic, societal, and environmental impact of engineering solutions. | Well understands the economic, societal, and environmental impact of engineering solutions. | | Never understands the economic, societal, and environmental impact of engineering solutions | |  |
| **Total Score (40)** | | | | | | |  |

**Evaluator Signature: ……………………………………………**