**Form 6a: SENIOR DESIGN PROJECT (MIE 498)**

**EVALUATION (By Supervisor)**

**Semester:** ………………………………………………………………………………

**Project Title:**……………………………………...................………………...……….

**Student Name:**…………………………………………………**ID No.**………….…....

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| --- | --- | --- | --- |
| **SLO** | **KPI No.** | **KPI Description** | **Marks** |
| **Maximum** | **Obtained** |
| a | 1 | Apply mathematical and scientific principles to formulate models and systems relevant to mechanical engineering | 4 |  |
| 2 | Appropriate engineering interpretation of mathematical and scientific terms  |
| b | 5 | Data documentation | 5 |  |
| 6 | Preparation of experimental plan, methodology and procedures of data gathering |
| c | 10 | Developing solutions | 4 |  |
| 12 | Developing a solution to real world problem that includes realistic constraints |
| d | 15 | Preparation for group meetings  | 8 |  |
| 16 | Team spirit and Cooperation |
| e | 19 | Creativity to explore alternatives solutions  | 4 |  |
| 20 | The step by step understanding of how various pieces of the problem relate to each other and the whole |
| f | 23 | Ethical behavior among peers and faculty | 7 |  |
| 24 | Personal responsibility for his/her actions; punctuality, sincerity and generosity  |
| g | 27 | The organization of the written materials | 8 |  |
| 28 | The presentation of the written work and grammar and spelling |
| 31 | Presentation details and appropriate technical content for the time constraint and the audience |
| h | 33 | Awareness of current trends and events | 5 |  |
| 35 | Personal Perspective in Mechanical engineering |
| i | 38 | Applying learned materials and concepts in a format different from that taught in class | 4 |  |
| j | 40 | Knowledge of current events in the mechanical engineering discipline | 5 |  |
| 42 | Ability to discuss major political issues at national, state and local levels |
| k | 45 | Simulation Tools | 6 |  |
| 46 | Seeking information |
|  |  | **TOTAL** | **60** |  |
| **Supervisor Name:**  | ***Approved by*** |
| **Signature:** | **HoD Signature:** |
| **Date:** | **Date:** |