**ASSESSMENT RUBRICS LAB # 8**

**Mesh Current Analysis using PSPICE**

| **LAB REPORT ASSESSMENT** | | | | |
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| **Criteria** | **Excellent** | **Average** | **Nill** | **Marks Obtained** |
| 1. **Objectives of Lab** | All objectives of lab are properly covered  [Marks 0.5] | Objectives of lab are partially covered  [Marks 0.25] | Objectives of lab are not shown  [Marks 0] |  |
| 1. **Mesh Current Analysis**   **(Theory, Circuit Diagram )** | Brief introduction about Mesh Current Analysis (what is Mesh current analysis, What are meshes, How to apply KVL equations in each mesh) is shown along with properly labeled circuit diagram  [Marks 1] | Some of the points about Mesh Current Analysis are missing and circuit diagram is not properly labeled  [Marks 0.5] | Introduction about Mesh Current Analysis and circuit diagram is not shown  [Marks 0] |  |
| 1. **PSPICE**   **Simulator** | Brief introduction of PSPICE simulator  [Marks 1] | Brief introduction of PSPICE simulator  Is not shown  [Marks 0] | |  |
| 1. **Procedure** | All experimental steps are shown in detail along with how to verify Mesh Current Analysis.  [Marks 1.5] | Some of the experimental steps are missing  [Marks 1] | Experimental steps are missing  [Marks 0] |  |
| 1. **Observations & Calculations** | Mathematical calculations are shown and comparison with PSPICE results.  [Marks 5] | Mathematical calculations are shown but no comparison with PSPICE results  [Marks 2.5] | No mathematical calculations are shown  [Marks 0] |  |
| 1. **Conclusion** | Conclusion about experiment is shown  [Marks 1] | Conclusion about experiment is partially shown  [Marks 0.5] | Conclusion about experiment is not shown  [Marks 0] |  |
| Total Marks Obtained:\_\_\_\_\_\_\_\_\_\_  Instructor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |