**ASSESSMENT RUBRICS LAB # 7**

**Node Voltage Analysis using PSPICE**

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| **LAB REPORT ASSESSMENT** | | | | |
| **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. **Node Voltage Analysis**   **(Theory, Circuit Diagram )** | Brief introduction about Node Voltage Analysis (what is Node voltage analysis, What are nodes, How to apply KCL equations at each node) is shown along with properly labeled circuit diagram  [Marks 1] | Some of the points about Node Voltage Analysis are missing and circuit diagram is not properly labeled  [Marks 0.5] | Introduction about Node Voltage 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 Node Voltage 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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |