**ASSESSMENT RUBRICS LAB # 5**

**Verification of KCL 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. **Kirchhoff’s Current Law**   **(Statement, Mathematical Expression, Circuit Diagram)** | Correct KCL statement and mathematical expression is written. Circuit diagram shown is correct and properly labeled  [Marks 1] | KCL statement or mathematical expression or circuit diagram is missing or circuit diagram is not properly labeled  [Marks 0.5] | |  |
| 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  [Marks 1.5] | Some of the experimental steps are missing [Marks 1] | Experimental steps are missing  [Marks 0] |  |
| 1. **Observations & Calculations** | All experimental results are completely shown in form of table for both cases of using same resistors and for different resistors with varying applied source voltage  [Marks 4] | Experimental results are partially shown and some of the observations are missing  [Marks 2] | No experimental results are shown  [Marks 0] |  |
| 1. **Analysis** | Analysis and discussion about all experimental results are shown  [Marks 2] | Analysis and discussion about experimental results are partially shown  [Marks 1] | Analysis is not shown  [Marks 0] |  |
| Total Marks Obtained:\_\_\_\_\_\_\_\_\_\_  Instructor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |