**ASSESSMENT RUBRICS LAB # 03**

**Verification of Ohm’s law Using PSPICE**

| **LAB REPORT ASSESSMENT** | | | | |
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| **Criteria** | **Excellent** | **Average** | **Nil** | **Marks Obtained** |
| 1. **Objectives of Lab** | All objectives of lab are properly covered  [Marks 1] | Objectives of lab are partially covered  [Marks 0.5] | Objectives of lab are not shown  [Marks 0] |  |
| 1. **Ohm’s Law and Mathematical Expression.** | Correct definition of Ohm’s law, mathematical expression and circuit diagram is shown.  [Marks 1] | Correct statement of Ohm’s law and no mathematical expression and circuit diagram with no labels.  [Marks 0.5] | No definition, mathematical expression and circuit diagram is shown  [Marks 0] |  |
| 1. **PSPICE and its Procedure.** | Elaborate PSPICE software and its procedure for designing circuit.  [Marks 2] | PSPICE is not defined while its procedure is not properly discussed  [Marks 1] | No Definition or procedure.  [Marks 0] |  |
| 1. **Circuit Diagram in PSPICE.** | Circuit diagrams for all cases of varying resisters and source voltages are shown with titles and labels in PSPICE.  [Marks 2] | Some of the cases of varying resisters and source voltages are shown with no titles and labels in PSPICE  [Marks 1] | No circuit diagrams are shown  [Marks 0] |  |
| 1. **Observations & Calculations** | All experimental results are completely shown in form of table.  [Marks 2] | Experimental results are partially shown and some of the observations are missing.  [Marks 1] | No experimental results are shown  [Marks 0] |  |
| 1. **Graphs** | Graphs from experimental results of Ohm’s law are shown with labels. [Marks 1] | Graphs from experimental results of Ohm’s law are shown with no labels . [Marks 0.5] | No graphs are shown  [Marks 0] |  |
| 1. **Conclusion** | Conclusion about experimental results is properly explained and satisfactory. [Marks 1] | Conclusion about experimental results is not properly explained and satisfactory. [Marks 0.5] | No conclusion is shown  [Marks 0] |  |
| Total Marks Obtained:\_\_\_\_\_\_\_\_\_\_  Instructor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
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