

Lab Report Format

1. Cover Page
2. Abstract
 - a. Use plain English. Assume that not all readers have expert knowledge of the topic
 - b. Make sure that reader will understand:
 - i. Main objective
 - ii. Arguments discussed in the report; newly observed facts;
 - iii. Conclusions of the experiments
 - iv. Methods used to derive these conclusions
 - c. Abstract should not exceed 200 words
3. Introduction
 - a. Description of the experiments to be undertaken
 - b. Objective of the experiments
 - c. Expected findings, observations
4. Procedure (Methods)
 - a. Discuss how the experiments were conducted
 - b. Provide sufficient details for another person to duplicate the experiments such as
 - i. Preparations
 - ii. Calibrations
 - iii. Safety issues
 - iv. Collected statistics
5. Results and Discussion
 - a. Theoretical analysis of observations such as
 - i. Statistical analysis
 - ii. Comparison between mathematical expression and the results of the experiments
 - b. Personal judgements
6. Conclusions
 - a. Compare the stated objective in the abstract and introduction with the findings discussed in Results and Discussion section
7. References (if any)
8. Appendices
 - a. Large tables
 - b. Supportive data which does not directly impact the objective of the experiments