|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **II** | **Lab Report Template** |  |  |  |
|  |  |  |  |  |  |  |
|  |  | Report Sections |  | Explanation |  |
| **A.1** | Title Page |  |  |  |  |  |
| **A.2** | Abstract |  |  |  |  |  |
| **A.3** | Table of Contents |  |  |  |  |
|  |  |  |  | Background / Theory |  | In this section, you describe **what** you |  |
|  |  |  |  |  |  |  |
|  |  |  | Purpose |  | are trying to find and **why**. |  |
| **A.4** | Introduction |  |  |  | Background and motivation are used to |  |
|  | Governing Equations |  | provide the reader with a reason to read |  |
|  |  |  |  |  |
|  |  |  |  |  |  | the report. |  |
|  |  |  |  | Discovery Question |  |  |  |
|  |  |  |  | (**DQ**) |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | Experiment Overview |  | In this section, you explain **how** |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Apparatus |  | question addressed is answered. |  |
| **A.5** | Methods |  | Clearly explain your work so it could |  |
|  |  |  |  |
|  | Equipment Table |  | be repeated. |  |
|  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  | Procedures |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  Narrate (like a story) |  |  |  |
|  |  |  |  | Tables and Graphs |  | In this section, you present the **results** |  |
|  |  |  |  |  |  | of your experiment. Tables, graphs, |  |
|  |  |  | Equations in Variable |  | and equations are used to summarize |  |
| **A.6** | Results |  | Form |  | the results. Link equations and visuals |  |
|  |  |  | together with narrative, like a story. |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Uncertainties |  | Remember your audience. |  |
|  |  |  |  | Units! |  |  |  |
|  |  |  |  | Indicate Final Results |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | Answer **DQ** |  | In this section, you **explain** and |  |
|  |  |  |  |  |  | **interpret** your results. Insert your |  |
|  |  |  | Theoretical Comparison |  | opinion, backed by results. Discuss |  |
|  |  |  |  |  |  | issues you had and how this could be |  |
| **A.7** | Discussion |  | Explanation of |  | corrected in the future. |  |
|  | Anomalies / Error |  |  |  |
|  |  |  |  |  | The conclusion is a summary of your |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Conclusion / Summary |  | results and discussion. |  |
|  |  |  |  | Future Work |  |  |  |
|  |  |  |  |  |  |  |  |
| **A.8** | References |  |  |  |  |  |