



TexTome: A Template for LaTeX based Reports

A sub-heading goes here

Organization Name

Department

Team

Full Name	Contribution
------------------	---------------------

Member 1	Role
----------	------

Member 2	Role
----------	------

Developed by: Ravi Prakash



TexTome

Contents

1	TextTome	5
1.1	Introduction	5
1.2	Getting Started	5
2	Text Data	6
2.1	Introduction	6
2.2	Overview of Work	6
2.3	Summary	6
3	Formatting	7
3.1	Introduction	7
3.2	Data and Images	7
4	References	10

Glossary

Table 0.1: list of symbols and abbreviation

Symbol/Abbreviation	Significance/Full-form
S_1	Symbol 1
S_2	Symbol 2
S_3	Symbol 3
Abbr-1	Full form 1
Abbr-2	Full form 2
Abbr-3	Full form 3

Certificate

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



ABSTRACT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

1 | TexTome

1.1 | Introduction

This **LaTeX** report template was created with research and technical write-ups in mind. Thank you for choosing the TexTome LaTeX template! This template was designed with the specific needs of research and computer science in mind, but it can be easily adapted for any course or project, but specific care was put into creating this template as an academic report creator.

1.2 | Getting Started

The name "**TexTome**" incorporates "*TeX*", which is the markup language used in \LaTeX , and "*Tome*", which means a large and scholarly book. It has a catchy and memorable sound to it, and it also hints at the professional and academic nature of the template. The name is a result of an edited suggestion by ChatGPT. To get started with this template, read through this file to optimize your usage of the template.

1.2.1 | Template Structure

The following files are included in the template:

- **main.tex**: This file loads all the .tex files for the preamble, title page, and different sections. It also adds a Table of Contents, bibliography, and appendices.
- **General/Preamble.tex**: This file contains packages that can be added to the preamble of the report, and General/References.bib contains the references for the report.
- **General/Settings.tex**: This file contains all the predefined formatting, including the title, subtitle, and authors for the front page.
- **Chapters/**: This folder contains .tex files for each chapter. Each file is numbered.
- **Figures/**: This folder contains figures that can be used in the report.

1.2.2 | Usage

To use this template, follow these steps:

1. Clone the repository or download the files.
2. Add your own content to the relevant files.
3. Customize the formatting in **Settings.tex** to your liking.
4. Compile the report using your preferred LaTeX compiler.

1.2.3 | Adding Chapters

To add a chapter, create a new .tex file in the Chapters/ folder and name it **x_title.tex**, where *x* is the chapter number (for chapters) or letter (for appendices) and *title* is any name you like. Don't forget to add the chapter to the main.tex file using:

```
\input{Chapters/x.<title>.tex}
\newpage
```

The template preview for various formatting is given in **formatting.tex**

2 | Text Data

2.1 | Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

2.2 | Overview of Work

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

2.3 | Summary

The summary goes here

3 | Formatting

3.1 | Introduction

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

3.2 | Data and Images

3.2.1 | Images

Group images can be kept like Fig.



(a) Caption 1



(b) Caption 2

Figure 3.1: Group caption

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

Sometimes the groups are not required. In such a situation, images can be rendered as below:



Figure 3.2: Sample Image Caption

3.2.2 | Data or Tables

Some caption related to the tables. Rows can be gray-white as well.

Table 3.1: A table without vertical lines.

Column 1	Column 2	Column 3	Column 4
Data 1	Data 2	Data 3	Data 4
Data 1	Data 2	Data 3	Data 4
Data 1	Data 2	Data 3	Data 4
Data 1	Data 2	Data 3	Data 4
Data 1	Data 2	Data 3	Data 4

3.2.3 | Lists

Unordered lists can be created as below:

- Main data
 - Inner level 1

- Inner level 2
 - Inner level 2
 - Inner level 2
 - Some more data
- Inner level 1
- Inner level 1
- Additional main data
- Additional main data

Ordered lists can also be created in a similar fashion:

1. Main data
 - [a] Inner level 1
 - i. Inner level 2
 - ii. Inner level 2
 - iii. Inner level 2
 - A. Some more data
 - [b] Inner level 1
 - [c] Inner level 1
2. Additional main data
3. Additional main data

3.2.4 | Codes and Equations

This template also supports adding computer programs and code. For example, the following `LATEX`[1] snippet is used for adding images in this template:

```
\begin{figure}[H]
\centering
\begin{minipage}{1\textwidth}
\centering
\includegraphics[width=\textwidth]{<file location>}
\captionof{figure}{Sample Image Caption}
\label{fig:label}
\end{minipage}
\hfill
\end{figure}
```

The equations can be added to the document in multiple ways. The following methods can be best for small ones:

$$E = mc^2$$

In order to add complex or longer equations, the following (Eq. 3.1) method can work better.

$$E = m \tag{3.1}$$

4 | References

- [1] Michel Goossens, Frank Mittelbach, Alexander Samarin, et al. *The LATEX companion*, volume 1. Addison-Wesley Reading, 1994.