Heaven's light is our guide

Rajshahi University of Engineering & Technology, Bangladesh

Department of Mechanical Engineering

A project & thesis report on

Thesis Title

Supervised by

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Department of Mechanical Engineering

A thesis report on

Thesis Title

This report is submitted in partial fulfilment of the requirements for the degree of Bachelor of Science in Mechanical Engineering at Rajshahi University of Engineering & Technology, Rajshahi, Bangladesh.

Supervised by

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Certificate

This is to certify that the thesis entitle "Thesis Title" has been carried out by Author A, Roll: 1702*** and Author B, Roll: 1702*** under my supervision in the Department of Mechanical Engineeringat Rajshahi University of Engineering & Technology, Bangladesh.

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Acknowledgment

The content of acknowledgments is for you as the author to decide. Here you should write the gratitude for them from whom you have taken suggestions, guidelines and other help directly or indirectly during your thesis. The length of paragraph should not exceed 300 words.

Abstract

The abstract should be not more than 300 words. Abstract should contain the statement of main objectives, outline of method used for the study, outline of thesis results and conclusions.

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Abbreviations and List of Symbols

GF Glass Fiber

RFB Redox Flow Battery

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Chapter 1

Introduction

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book [1].

It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

1.1 Motivation

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout.

1.1.1 Background

The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

1.2 Objectives

Lists are easy to create:

- List entries start with the `\item` command.
- Individual entries are indicated with a black dot, a so-called bullet.
- The text in the entries may be of any length.

Chapter 2

Literature Review

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. [2]

Chapter 3

Methodology

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia.

Table 3.1: Chemicals required for zinc bromide prepartion

Material	**Weight(gm) of 1 mole**
Zinc sulfate Heptahydrate ($ZnSO_4.7H_2O$)	287.47
Sodium bromide ($NaBr_2$)	102.49

Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of ”de Finibus Bonorum et Malorum” (The Extremes of Good and Evil) by Cicero, written in 45 BC.

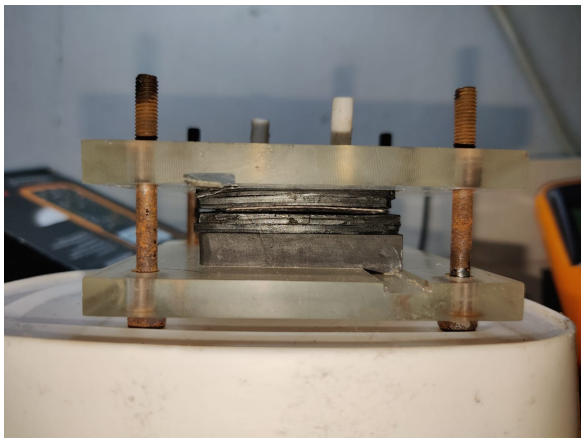

Figure 3.1: Zinc-bromine reactor cell

This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, ”Lorem ipsum dolor sit amet..”, comes from a line in section 1.10.32.

Chapter 4

Results and Discussions

The standard chunk of Lorem Ipsum used since the 1500s is reproduced below for those interested. Sections 1.10.32 and 1.10.33 from ”de Finibus Bonorum et Malorum” by Cicero are also reproduced in their exact original form, accompanied by English versions from the 1914 translation by H. Rackham.

Chapter 5

Conclusion

It uses a dictionary of over 200 Latin words, combined with a handful of model sentence structures, to generate Lorem Ipsum which looks reasonable. The generated Lorem Ipsum is therefore always free from repetition, injected humour, or non-characteristic words etc.

References

[1] Y. V. Tolmachev, “Review—flow batteries from 1879 to 2022 and beyond,” *Journal of The Electrochemical Society*, vol. 170, p. 030505, 3 2023.

[2] R. J. Bellows, P. Grimes, H. Einstein, E. Kantner, P. Malachesky, , and K. Newby, “Zinc-bromine battery design for electric vehicles,” 1983.

Appendix A

A.1 Li-ion batteries

here are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don’t look even slightly believable.

A.2 Vanadium redox flow batteries

If you are going to use a passage of Lorem Ipsum, you need to be sure there isn’t anything embarrassing hidden in the middle of text.