

# Front and End Matters

What are the Front and End Matters of a PhD thesis?

What are the Front and End Matters of a Ph. D. thesis?

Front Matters

Title

Copyright Notice

Acknowledgements

List of Symbols and Abbreviations

Abstract

Keywords

Table of Contents

End Matters

Appendixes

Find Problems with the Following Titles:

A. Exploring Development trend of a Specific Technology

A. Minimizing Energy Consumption in an Aluminium Industry using a Novel Technique

B. A Critical Study of Energy Efficiency – A Case of Thermal Power Plant at Talcher

Find Problems with the Following Titles:

A. Exploring Development trend of a Specific Technology

- The name of the technology is not mentioned.
- Capitalization problem.

B. Minimizing Energy Consumption in an Aluminium Industry using a Novel Technique

- Use of the word *Industry* is not correct.
- More specificity required in both the location of the study and the technique used.
- Capitalization problem.

C. A. Critical Study of Energy Efficiency – A Case of Thermal Power Plant at Talcher

- The first three words should be replaced by terms that denote some functionality.
- A colon or an em dash should replace the en dash.

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Do you find any problem(s) in the below-given text?

## **ACKNOWLEDGEMENT**

It is a great honour to be a student of XXX University. It is all due to the love Allah has showered on me and the opportunity He gave me to work in such a great Institute. I thank Government of India whose scholarship I enjoyed throughout my research years.

I also thank my PhD supervisor Professor YYY whose constant guidance and advice helped me to complete the research work. I thank my DAC members and professors of the Department of ZZZ who encourage me throughout my research days.

Many other people helped me. In particular, I wish to . . .



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The order in which the acknowledgements are made could be different.

Find the problems with the below-given list of symbols.

List of symbols:

$\eta$  = Efficiency

$m$  = Mass

...

$\beta$  = Regression coefficient

$c$  = Velocity

## The new list of symbols

List of symbols:

$\beta$ : Régression coefficient

$\eta$ : Efficiency (1)

...

$c$ : Velocity (m/s)

$m$ : Mass (kg)

Find the problems with the below-given list of symbols and abbreviations.

## List of Symbols and Abbreviations

U = Union

i. e. = That is

$\exists$  = There exists

A.M. = Ante Meridiem

RADAR = Radio Detection and Ranging

## List of Symbols and Abbreviations

$\cup$  = Union

i. e. = That is

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A.M. = Ante Meridiem

RADAR = Radio Detection and Ranging

None of the above should appear in the List of Symbols and Abbreviations.

Should Abstracts in a PhD thesis just describe the research work without giving any results, conclusions, and implications? Comment on the Abstract given below with regard to these features.

### **ABSTRACT**

Consumption of electrical energy at home is always a concern for a housewife. She tries to reduce her power bill by switching off the power plugs whenever their services are not required. The thesis attempts to find the patterns of housewives' behaviour with regard to optimal use the power.

Should Abstracts in a PhD thesis just describe the research work without giving any results, conclusions, and implications? Comment on the Abstract given below with regard to these features.

### **ABSTRACT**

Consumption of electrical energy at home is always a concern for a housewife. She tries to reduce her power bill by switching off the power plugs whenever their services are not required. The thesis attempts to find the patterns of housewives' behaviour with regard to optimal use the power.

The student should elaborate on the research problem, the methods used by others, the methods used in the thesis, the results, conclusions, and their implications. It should also highlight the contribution of the thesis.

Are the following features are not desirable features in an Abstract?

- A. The Abstract runs into three pages.
- B. The Abstract is written in four paragraphs.
- C. The Abstract uses abbreviations.
- D. The Abstract cites papers giving references.
- E. The Abstract elaborates on the significance of the problem but gives little information on the results obtained.
- F. The Abstract does not highlight the contributions made.
- G. The Abstract starts defining well-known terms.



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None

Do you consider the following keywords good for a thesis whose title is ENERGY, EXERGY AND EMISSION ANALYSIS OF IMPINGING FLAMES ON PLANE AND CURVED SURFACES?

- A. Heat Transfer
- B. Reynold Number
- C. Nusselt Number
- D. Equivalence Ratio
- E. Premixed Flame
- F. Diffusion Flame
- G. Plate Separation Distance

Do you consider the following keywords good for a thesis whose title is ENERGY, EXERGY AND EMISSION ANALYSIS OF IMPINGING FLAMES ON PLANE AND CURVED SURFACES?

- |                              |    |
|------------------------------|----|
| A. Heat Transfer             | No |
| B. Reynold Number            | No |
| C. Nusselt Number            | No |
| D. Equivalence Ratio         | No |
| E. Premixed Flame            |    |
| F. Diffusion Flame           |    |
| G. Plate Separation Distance |    |

What should the Appendixes contain?

What should the Appendixes contain?

The Intermediate Derivations

The List of Survey Participants

The Computer Code

Tables of Data and Results

Maps and Drawings

. . .

How should the Appendixes be numbered? And how should the equations, tables, and figures appearing therein be numbered?

How should the Appendixes be numbered? And how should the equations, tables, and figures appearing therein be numbered?

Appendix A, B, C, . . .

Eq. A.1, Eq. A.2, . . ., Table A.1, Table A.2, . . ., Fig. A.1, Fig. A.2, . . .