Title of the Report/Thesis

A thesis submitted for the degree of

Doctor of Philosophy

In

Faculty of Engineering

by

Name



भारतीय विज्ञान संस्थान

Department Name
Indian Institute of Science
Bengaluru, India

March 2025

This thesis is dedicated to ...

Certificate

This is to certify that the thesis titled *Title of the Report/Thesis* submitted by **Name**, to the Indian Institute of Science, Bengaluru, in partial fulfillment for the award of the degree of **Doctor of Philosophy** is a bona fide record of the original work carried out by him/her under my supervision. The contents of this thesis, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

Advisor Name of Department Head

Designation Designation

Place: BengaluruDate: March 2025

Declaration

I declare that this thesis titled *Title of the Report/Thesis* submitted in partial fulfillment for the award of the degree of **Doctor of Philosophy** is a record of the original work carried out by me under the supervision of **Advisor Name**, and has not formed the basis for the award of any degree, diploma, associateship, fellowship, or other titles in this or any other Institution or University of higher learning. In keeping with the ethical practice in reporting scientific information, due acknowledgments have been made wherever the findings of others have been cited.

Place: Bengaluru Name

Date: March 2025 (SR Number)

Acknowledgements

I acknowledge ...

Name

Abstract

Abstract here.

List of Publications

Refereed Journals

- 1. Journal 1
- 2. Journal 2

Refereed Conferences

- 1. Conference 1
- 2. Conference 2

Others

Contents

De	edication	i
Ce	ertificate	ii
De	eclaration	iii
A	cknowledgements	iv
Al	ostract	v
Li	st of Publications	vi
Ta	able of Contents	vii
Li	st of Figures	ix
Li	st of Tables	X
Li	st of Algorithms	xi
Al	obreviations	xii
No	omenclature	xiii
1	Macros and Command Definitions	1
	1.1 Using Macros	1
2	LaTeX Document Structure and Formatting	3
	2.1 Including Figures	3
	2.2 Including Algorithms	3

	2.3	Including Tables	3
	2.4	Theorem, Proof, Lemma, Corollary, Proposition, and Conjecture	4
	2.5	Definition, Condition, Assumptions, Examples, and Problems	4
	2.6	Remarks, Claims, and Notes	4
	2.7	Citations	5
	2.8	Indexing	5
3	Rela	ated Work	6
	3.1	Summary	6
4	Perf	formance Analysis	7
	4.1	Experimental Setup	7
	4.2	Summary	7
5	Con	clusions	8
Bi	bliogr	aphy	8
Aŗ	pend	ices	11
A	App	endix A Title	11
	A.1	Section 1	11
	A.2	Section 2	11
В	App	endix B Title	12
	B.1	Section 1	12
	B.2	Section 2	12
In	dex		13

List of Figures

2.1	Sample figure																											2
2.1	Sample ligure	 	 •	•	 •	•	•	•	•	•	 •	•	•	•	 •	•	•	•	•	•	•	•	•	•	•	•	•	-

List of Tables

2.1	Sample table .																																							4
-----	----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

List of Algorithms

2 1	Sum of N	numbers																													2
2.1	Sulli Of IV	Humbers	 	•	•	 •	•	•	•	•	•	•	•	•	 •	٠	•	•	•	•	•	•	•	•	•	•	٠	٠	•	•	-

Abbreviations

GNU GNU's Not Unix EMACS Editor MACroS

Nomenclature

- m Mass of the object
- c Velocity of light

Macros and Command Definitions

1.1 Using Macros

This section describes the custom macros used in this LaTeX document class.

1.1.1 Degree and Document Type Macros

- \Degree Stores the degree type (e.g., phd, mtech, btech).
- \Doctype Specifies the document type (e.g., thesis, project report, internship report).
- \Degreetext Holds the full name of the degree (e.g., Doctor of Philosophy, Master of Science).

1.1.2 Command Definitions

- \title[Optional Title] {Title} Defines the title of the document and optionally stores a copy for use in certificate pages.
- \Author[Optional Author] {Author} Defines the author of the document and optionally stores a copy for use in certificate pages.
- \department {Department Name} Sets the department name.
- \specialization[Optional] {Specialization} Defines the specialization and optionally stores a copy.
- \discipline {Discipline Name} Sets the discipline name (Engineering or Science).

- \advisor{Advisor Name} Sets the advisor's name.
- \studentid{Student ID} Sets the student ID.

1.1.3 Optional Information Macros

- \CPSpecialization Stores the specialization text used in certificate pages.
- \CPTitle Stores a copy of the title used for certificate pages.
- \bullet \CPAuthor Stores a copy of the author's name used for certificate pages.

LaTeX Document Structure and Formatting

2.1 Including Figures

Sample code for including figures, tables, algorithms, and citations are listed here.



Figure 2.1: Sample figure

2.2 Including Algorithms

Algorithm 2.1: Sum of N numbers

- 1 S = 0
- **2** for i = 1 : N do
- S = S + i
- 4 end
- 5 Ouput S

2.3 Including Tables

In this section, Table 2.1 is explained.

Table 2.1: Sample table

Parameter	X	y
ABC	2	4
DEF	3	9

2.4 Theorem, Proof, Lemma, Corollary, Proposition, and Conjecture

Theorem 2.1. This is my first theorem.

Proof. This is my proof.

Lemma 2.1. This is a content for sample lemma.

Corollary 2.1. *This is a sample corollary.*

Proposition 2.1. This is an example of proposition.

Conjecture 2.1. This is an example of conjecture

2.5 Definition, Condition, Assumptions, Examples, and Problems

Definition 2.1. An example of a definition.

Condition 2.1. An example of a condition.

Assumption 2.1. You assumptions can be placed here.

Example 2.1. This is an example.

Problem 2.1. Problem statements can be put here.

2.6 Remarks, Claims, and Notes

Remark 2.1. Your remarks can be written using this environment.

Claim 2.1. Claims can be made using claim environment.

Note. An example note.

2.7 Citations

Sample citation [1].

2.8 Indexing

LATEX is a type setting system written in TeX language. LATEX is a free software originally developed by Leslie Lamport in 1980s.

Related Work

Write related work here.

3.1 Summary

Performance Analysis

- 4.1 Experimental Setup
- 4.2 Summary

Conclusions

Conclusions here.

Bibliography

[1] L. Lamport, LATEX: a document preparation system: user's guide and reference manual. Addison-wesley, 1994.

Appendix A

Appendix A Title

A.1 Section 1

Data for Appendix A.1 here

A.2 Section 2

Data for Appendix A.2 here

Appendix B

Appendix B Title

B.1 Section 1

Data for Appendix B.1 here

B.2 Section 2

Data for Appendix B.2 here

Index

 ${f F}$ ${f L}$ Free software, 5 ${f L}$