

How to prepare a Technical report using L^AT_EX

A Project Report

Submitted to the APJ Abdul Kalam Technological University

in partial fulfillment of requirements for the award of degree

Bachelor of Technology

in

Electronics and Communication Engineering

by

batch member 1(batch member1 roll no)

batch member 2(batch member2 roll no)

batch member 3(batch member3 roll no)

batch member 4(batch member4 roll no)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COLLEGE OF ENGINEERING TRIVANDRUM

KERALA

June 2021

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING
COLLEGE OF ENGINEERING TRIVANDRUM

2020 - 21



CERTIFICATE

This is to certify that the report entitled **How to prepare a Technical report using L^AT_EX** submitted by **batch member 1** (batch member1 roll no), **batch member 2** (batch member2 roll no), **batch member 3** (batch member3 roll no) & **batch member 4** (batch member4 roll no) to the APJ Abdul Kalam Technological University in partial fulfillment of the B.Tech. degree in Electronics and Communication Engineering is a bonafide record of the project work carried out by him under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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DECLARATION

We hereby declare that the project report **How to prepare a Technical report using L^AT_EX**, submitted for partial fulfillment of the requirements for the award of degree of Bachelor of Technology of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by us under supervision of Prof. Project guide

This submission represents our ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and referenced the original sources.

We also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. We understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other University.

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15-06-2021

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Abstract

This document contains essential templates required to write technical reports using \LaTeX . This template may be used for the preparation of B.Tech seminar reports of APJ Abdul Kalam Technological University, Kerala. Also minimum working examples to create equations, include figure, include table, table of contents symbols list and bibliographic citation in a \LaTeX document are provided.

Please note that this template is provided without warranty on an AS IS basis.

JIM

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We take this opportunity to express my deepest sense of gratitude and sincere thanks to everyone who helped us to complete this work successfully. We express our sincere thanks to Dr. Head of Dept, Head of Department, Electronics and Communication Engineering, College of Engineering Trivandrum for providing us with all the necessary facilities and support.

We would like to express my sincere gratitude to the Prof. Project coordinator, department of Electronics and Communication Engineering, College of Engineering Trivandrum Trivandrum for the support and co-operation.

We would like to place on record my sincere gratitude to our project guide Prof. Project guide, Assistant Professor, Electronics and Communication Engineering, College of Engineering Trivandrum for the guidance and mentorship throughout this work.

Finally I thank my family, and friends who contributed to the succesful fulfilment of this seminar work.

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List of Symbols

Ω Unit of Resistance

ε' Real part of dielectric constant

c Speed of light

λ Wavelength

δ Delta

Chapter 1

Introduction

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Chapter 2

Literature Review

Each chapter is to begin with a brief introduction (in 4 or 5 sentences) about its contents. The contents can then be presented below organised into sections and subsections.

Technical writing is writing or drafting technical communication used in technical and occupational fields [?], such as computer hardware and software [?], engineering, chemistry, aeronautics, robotics, finance [?], medical, consumer electronics, biotechnology, and forestry. Technical writing encompasses the largest sub-field in technical communication. See figure ?? that shows the autonomous systems in Internet.

The SAM V71 datasheet [?]

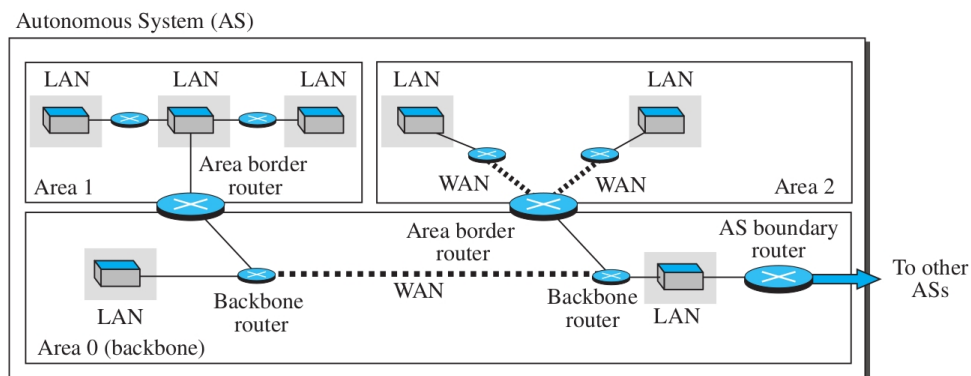


Figure 2.1: Autonomous System Hierarchy

2.1 section1

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2.1.1 title 2

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The system is described by the equation ?? below. Here y is the ordinate and x is the abscissa, m is the slope and c a constant.

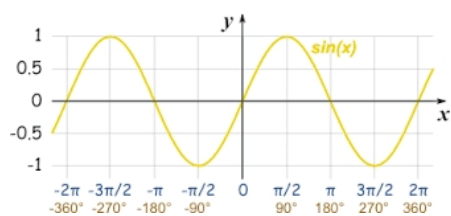
$$y = mx + c \tag{2.1}$$

Page centered and unnumbered multiple equations. The * symbol suppresses equation numbering.

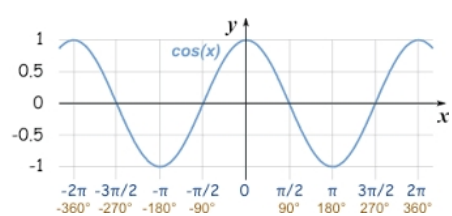
$$2x - 5y = 8$$

$$3x + 9y = -12$$

Side by side figures can be created using this environment. See fig ?? below.



(a) Sine Wave



(b) Cosine Wave

Figure 2.2: The Sine and Cosine waves

Chapter 3

System Development

Each chapter is to begin with a brief introduction (in 4 or 5 sentences) about its contents. The contents can then be presented below organised into sections and subsections.

3.1 section1

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3.1.1 title 2

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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.

Chapter 4

Results and Discussion

Each chapter is to begin with a brief introduction (in 4 or 5 sentences) about its contents. The contents can then be presented below organised into sections and subsections.

4.1 section1

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4.1.1 title 2

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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.

Table 4.1: test table

Sl. No	Item 1	Itm 2
1	37	45
2	42	23
3	47	1
4	52	-21
5	57	-43
6	62	-65
7	67	-87
8	72	-109
9	77	-131
10	82	-153

Chapter 5

Conclusion

Each chapter is to begin with a brief introduction (in 4 or 5 sentences) about its contents. The contents can then be presented below organised into sections and subsections.

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