

GUJARAT TECHNOLOGICAL UNIVERSITY

Guidelines For The Preparation of M.E. Dissertation Thesis - 2016



GUJARAT TECHNOLOGICAL UNIVERSITY

Nr. Vishwakarma Government Engineering College
Nr. Visat Three Roads, Visat - Gandhinagar Highway
Chandkheda, Ahmedabad – 382424.

Phone : 079-23267500.

1. Introduction

- 1.1. The guidelines described in this document have been established so that thesis can be prepared in a form suitable for library cataloging. The document takes its place in the library as a product of original thinking and research, and it is, therefore, designed to appear in a form comparable to published work.
- 1.2. This document covers the general rules of quality, format and appearance. Students should consult their Project Guide for specific content requirements.
- 1.3. It is the student's responsibility to read and follow the requirements presented here. The final copies will not be accepted if they do not fulfill the criteria described below.

2. Originality

M.E. Thesis shall

- 2.1. Consist of the student's own account of his/her investigations;
- 2.2. Be either a record of original work or of an ordered and critical exposition of existing knowledge and shall provide evidence that the field has been surveyed thoroughly;
- 2.3. Be an integrated whole and present a coherent argument;
- 2.4. Give a critical assessment of the relevant literature, describe the method of research and its findings and include a discussion on those findings; and
- 2.5. Include a full bibliography and references.
- 2.6. Check originality of thesis with help of Turnitin anti-plagiarism which is provided to institute by GTU.

3. Components

A thesis should contain the following parts in the order shown:

- 3.1. Title page (please see sample, Annexure I), containing:
 - the thesis title;
 - the full name of the Candidate, enrollment no. and Guide name;
 - the degree for which the thesis is submitted;
 - the name of the University, i.e. Gujarat Technological University
 - the month and year of submission
- 3.2. Thesis Certificate page (please see sample, Annexure II);
- 3.3. Acknowledgments

- 3.4. Table of contents (please see sample, Annexure III)
- 3.5. List of Figures and Tables
- 3.6. Abstract must be written on a separate page which should provide a concise summary of the thesis in maximum 300 words.
- 3.7. The thesis body
- 3.8. A thorough reference list; and
- 3.9. Appendices (List of abbreviation, etc.) and other addendum, if any.

4. Language, Style and Format

4.1. Language

Thesis should be written in English.

4.2. Final Version

The final version of the thesis must be free from spelling, grammatical and other errors when submitted.

4.3. Scripts and Page Format

Paper and print quality are vitally important for successful microfilming and legibility. Normally, international A4 80 to 90 gsm white paper should be used for the thesis which should be printed on single side of the paper. Exceptionally, paper other than international A4 size may be used when the nature of the thesis requires it.

4.4. A Times New Roman font, size 12-point, 10 to 12 characters per inch must be used with 1.5 line spacing.

4.5. Left Margin should be 38mm (1.5”) all other margins should be consistently 25.4 mm (1.0”). Exceptionally, margins of a different size may be used when the nature of the thesis requires it.

4.6. Header/ Footer of relevant section chapter's may be placed by the student.

4.7. Figures and Illustrations: Figures, tables, etc., should be positioned according to the scientific publication conventions of the discipline.

4.8. References

All references must be cited in the text by the reference number using superscripts. No links between superscripts in the text and actual references in the Reference Sections may be used. Notes may be used to cite manuscripts in preparation,

Unpublished observations and personal communications. References cited should follow the style given below example:

PAPERS

1. Thiel WJ and Nguyen LT, "Fluidized bed film coating of an ordered powder mixture to produce micro encapsulated ordered units." *J. Pharm. Pharmacol.* **1984**, 36, 145-152.
2. Isyumov N, "Criteria for acceptance of wind induced motion of tall buildings", International Conference on Tall buildings, Rio De Janeiro, CTBUH, 2003.

WEB SITE

1. Boggs, D, "Acceleration and Drift due to Gust forces", July 2009, www.cppwind.com/papers/structural/PEAKvsRMS.pdf

BOOKS

1. Pelzar MJ., Chan ECS., and Krieg NR. In Microbiology; 5th Edn; Tata McGraw Hill Publishing Company Limited, New Delhi, 1993, pp 536.

DISSERTATIONS

1. Vaishnav D.K, PhD Thesis, "....." Gujarat Technological University, July 2012.
2. Pathak VK. Ph.D. Thesis, ".....", Gujarat University, 1979.

PATENTS

1. Trevor M, Aggelos N and Helmut S. Process for the preparation of aceclofenac. European Patents EP 1082290 A1, 1999.

Authors are responsible for obtaining written approval for all personal communications and sending a copy of the manuscript to those cited as authors of personal communications.

5. Review Cards

- 5.1. Photo copy of all review comment cards for all the previous reviews viz. Dissertation Phase I, Mid Sem. along with Remedial of review (if applicable) should be submitted along with the thesis. Thesis will not be accepted without Photo Copy of all Review Comment Cards. Review comment cards should be attached as appendices after references. After review comment cards, student has to put compliance report of all such comments.

6. Thesis Submission

- a) For examination purpose, **three copies** (one copy for examiner, one copy for college library and one copy for GTU library) of the bound thesis are to be submitted to the Institution Head / University with soft copy(CD/DVD) in .pdf mode at last page of thesis. Write enrollment no., branch code & name on submitted CD/DVD.
- b) **Student has to come with thesis which must be submitted to examiner on day of exam. After completion of exam, student has to collect that thesis duly signed by examiners.**
- c) Institute has to submit branch wise one CD/DVD comprising softcopy of thesis of students (in .pdf format) in separate folders, wherein they have to give enrolment number followed by name of students as folder name.
For example: 122050909000_Patel Akash. Different sections of thesis of respective student should be included under his/her respective folder only.
- d) For each branch, separate CD/DVD along with appropriate labeling on the CD/DVD cover is required.

7. Anti-plagiarism Check

- 7.1. The student has to check his/her dissertation thesis for plagiarism, which indicates % similarity of the languages used during drafting, using Turnitin software.
- 7.2. GTU has provided the Id & Password to each institute for Turnitin software.

- 7.3. On the first page of report, it is mentioned % similarity with other published literatures. Preferably it should be $\leq 30\%$. **If the similarity is $> 30\%$ then the thesis will not accepted by university.**
- 7.4. Students have to take a print out of 1st page of Turnitin report, detailed Turnitin report and it is required to be signed by respective guide.
- 7.5. As per UGC Guidelines, all dissertation thesis should be made available on University website. Later on if there is any genuine complaint regarding plagiarism then in this case respective student and his/her Guide should be liable for all consequences if occurred. As per the UGC norms, University can revoke M.E. degree conferred to such students.

ANNEXURE - I

[SAMPLE TITLE PAGE]

[Thesis Title]

(5 blank lines)

By

(single line)

[Your name as found in official GTU records and in next line your enrollment number]

(two lines)

[Guide name with qualification and designation]

(3 blank lines)

A Thesis Submitted to
Gujarat Technological University in Partial Fulfillment of the Requirements for
the Master of Engineering Degree in [Name of Program]

(3 blank lines)

Month and Year

Institute Logo

Institute name and Address

ANNEXURE – II

[SAMPLE THESIS CERTIFICATE PAGE]

CERTIFICATE

This is to certify that research work embodied in this thesis entitled “_____” was carried out by **(Student Name)** at **(Institute Name with college code)** for partial fulfillment of Master of Engineering degree in **(Branch Name)** to be awarded by Gujarat Technological University. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.

[GTU Logo Watermark]

Date :

Place :

Signature and Name of Guide

Signature and Name of Principal

Seal of Institute

(If the work is carried out in industry then a certificate from industry shall also be attached.)

COMPLIANCE CERTIFICATE

This is to certify that research work embodied in this thesis entitled “_____” was carried out by **(Student Name with Enrollment no.)** at (Institute name & code) for partial fulfillment of Master of Engineering degree to be awarded by Gujarat Technological University. He/ She has complied to the comments given by the Dissertation phase – I as well as Mid Semester Thesis Reviewer to my satisfaction.

[GTU Logo Watermark]

Date :

Place :

Signature and Name of Student

(Student Enrollment No.)

Signature and Name of Guide

PAPER PUBLICATION CERTIFICATE

This is to certify that research work embodied in this thesis entitled “ _____ ” was carried out by **(Student Name with Enrollment no.)** at **(Institute name & code)** for partial fulfillment of Master of Engineering degree to be awarded by Gujarat Technological University has published article **(Full Title)** for publication by the **(International/National Journal/Conference)** at **(Place)** during/on **(Duration/Date)**.

Date:

Place :

Candidate Name
(Enrollment No.)

Guide Name & Sign.

Signature/Stamp and Name of Principal
(Seal of the Institute)

THESIS APPROVAL CERTIFICATE

This is to certify that research work embodied in this thesis entitled “_____” was carried out by **(Student Name with Enrollment no.)** at (Institute name & code) is approved for the degree of Master of Engineering with specialization if (Branch Name) by Gujarat Technological University.

[GTU Logo Watermark]

Date :

Place :

Examiner’s Sign and Name :

(-----)
()

(-----)
()

ANNEXURE - III

[UNDERTAKING ABOUT ORIGINALITY OF WORK]

We hereby certify that we are the sole authors of this thesis and that neither any part of this thesis nor the whole of the thesis has been submitted for a degree to any other University or Institution.

We certify that, to the best of our knowledge, the current thesis does not infringe upon anyone's copyright nor violate any proprietary rights and that any ideas, techniques, quotations or any other material from the work of other people included in our thesis, published or otherwise, are fully acknowledged in accordance with the standard referencing practices. Furthermore, to the extent that we have included copyrighted material that surpasses the boundary of fair dealing within the meaning of the Indian Copyright (Amendment) Act 2012, we certify that we have obtained a written permission from the copyright owner(s) to include such material(s) in the current thesis and have included copies of such copyright clearances to our appendix.

We declare that this is a true copy of thesis, including any final revisions, as approved by thesis review committee.

We have checked write up of the present thesis using anti-plagiarism database and it is in allowable limit. Even though later on in case of any complaint pertaining of plagiarism, we are sole responsible for the same and we understand that as per UGC norms, University can even revoke Master of Engineering degree conferred to the student submitting this thesis.

[GTU Logo Watermark]

Date :

Signature of Student : _____

Signature of Guide : _____

Name of Student : _____

Name of Guide : _____

Enrollment No : _____

Institute Code : _____

ANNEXURE – IV

[SAMPLE CONTENTS PAGE]

TABLE OF CONTENTS

Title Page	
Certificate Page	i
Compliance Page	ii
Thesis approval page	iii
Declaration of Originality Page	iv
Dedication Page, if any	v
Acknowledgements	vi
Table of Contents	vii
List of Figures	viii
List of Tables	ix
Abstract	x
Chapter 1 Introduction	1
1.1 Sections	1
1.2 Sections	1
1.2.1 Subsection	1
1.2.2 Subsection	12
Chapter 2 Chapter Title	17
Chapter 3 Chapter Title	35
Chapter 4 Chapter Title	57
Chapter 5 Chapter Title	80
Chapter 6 Conclusions	95
Bibliography and References	110
Appendix A Title	115
Appendix B Title	117