Shri G.S. Institute of Technology and Science
Indore (M.P.)

GUIDELINES FOR PREPARATION OF
THESIS/ DISSERTATION

FOR

M.Tech/ M.E.

SEQUENCE OF PAPERS

Part A

1. Cover page
2. Inner first page (inner cover page)
3. Recommendation
4. Certificate
   a) Certificate from industry/ R & D Institute, if applicable
5. Declaration Roman page nos. (start)(iv)
6. Acknowledgment

Note -Cover page & Inner page will be same. If more than one supervisor then the names of both the supervisor shall appear on cover and inner page.

Part B

7. Abstract/ Synopsis
8. Contents
9. List of Figures
10. List of Tables
11. List of Symbols
12. List of Abbreviations - - Roman page nos. (end)(xii)

Part C

13. Chapters (General Guide lines)
    1) Introduction
    2) Literature Review
    3) About Case Study
    4) Methodology and Analysis
    5) Results and Discussion
    6) Conclusions and Scope for Further Study
14. References
15. Bibliography, if required
16. Appendix, if required
17. Check for Plagiarism: It should contain the receipt indicating "page count" by using Approved Plagiarism software.

Note:

Print on side edge of cover should bear branch, title, name of student and session as per sample.

General Instructions for Preparation of THESIS/DISSERTATION/REPORT

Paper

- **Quality**

  The thesis shall be printed/Xeroxed on photocopier paper of 75gm (min).

- **Size**

  The size of the paper shall be standard A4 (height 297 mm, width 210 mm).

- **Type •Setting, Text Processing and Printing**

  The text shall be printed employing LaserJet or Inkjet printer. Thesis should be free from typographical errors.

  The font type of the general text of the thesis shall be in **Times New Roman with a line spacing of 1.5**.

SECTION	FONT SIZE	SPECIFICATIONS
Chapter No. & Title	16, Bold	Upper Case
Section No. & Title	14, Bold	Title Case
Sub-section No. & Title	12, Bold	Title Case
Title of Figures, Tables	12, Bold	-
Tables, Quotations, References	10	Single Line Spacing
Other written matter	12	1.5 Line Spacing

Page Format

The Printed Sheets shall have the following margin settings:

Top Margin	1.00 inch
Bottom Margin	0.80 inch
Left Margin	1.50 inch
Right Margin	1.00 inch

- Content should not extend beyond the bottom margin except for completing a footnote, last line of chapter/subdivision, or figure/table caption.

- A sub-head at the bottom of the page should have at least two full lines of content below it. If the sub-head is too short to allow this, it should begin on the next page.
- Color may be used for figures.
- Students should also submit the thesis in soft form (PDF) for storage and archival.
- Pages containing cover page, recommendation, certificate shall be adjusted accordingly.

Pagination (Page Numbering)

- Page numbering in the text of the thesis shall be Arabic numerals (1, 2, 3…) at the footer.
- The beginning of each Chapter shall be marked using a separate page consisting only the Chapter Number and the Chapter Title (Refer the sample attached at the end of this document).
- Page number for the first page of the each Chapter shall not appear in print, only the second page will bear the corresponding page number.
- Pagination for pages before the Introduction chapter shall be in **lower case Roman numerals**, e.g.,"iv".

Header

Except for the First page of every Chapter, all other pages shall bear the respective Chapter Title in the Header flushed to the right (i.e. outer edge of the page). The first letter of each word should be capitalized. It should be completed in one line. If the title is too long for example **An application of analytic hierarchy process for estimating the environmental a ssimilative capacity** then it should be written as **An application……..a ssimilative capacity.** The size should be 10 and follow the same font type.

Footer

Footer should contain college name, dept. and branch. It should also contain page no.

Paragraph format

- Vertical space between paragraphs shall be about 2.5 line spacing.

- The first line of each paragraph should normally be indented by five

characters. A candidate may, however, choose not to indent if (s) he has provided sufficient paragraph separation.

- A paragraph should normally comprise more than oneline.

Binding

The candidates shall have the options of single or double •sided printing. The evaluation copies of the thesis/dissertation/report may be spiral bound or soft bound. The final hard bound copies to be submitted after the viva• voce examination will be accepted during the submission of thesis/dissertation/report with the following color specification:

Specimen	Color Of Binding Material	Color Of Lettering On The Specimen
M.Tech / M.E.	Sky Blue	Black

Blank Sheets

In addition to the white sheets (binding requirement) two white sheets shall be put at the beginning and the end of the thesis.

PART A

Samples have been provided at the end of this document for the following:

- CoverPage
- Recommendation
- Declaration
- Certificate

PART B

Index/contents

The Index shall follow the List of Symbols/List of Publications (if applicable) and shall enlist the titles of all the chapters, sections and sub•sections using decimal notation, as in the text, with corresponding page number against them, flushed to the right.

Abstract

The thesis/dissertation/report shall contain an abstract highlighting the important features of the thesis/dissertation/report in not more than 300/500 words. It shall be self-complete and contain no citations for which the thesis has to be referred.

List of Figures and List of Tables

Two separate lists of Figure captions and Table titles along with their numbers and corresponding page numbers against them shall follow the Abstract.

List of Symbols/abbreviation

A complete and comprehensive list of all abbreviations, notations and nomenclature including Greek alphabets with subscripts and superscripts shall be provided after the list of tables and figures. (As far as possible, generally accepted symbols and notation should beused).

PART C

Chapters

Each chapter shall begin on a fresh page with an additional top margin of about 1.5 inch from top of the page. Chapter number (**in Arabic numerals**) and title shall be printed with right alignment in 16pt font size in bold face using upper case (all capitals).

Sections and Sub•sections

A chapter can be divided into Sections, Sub•sections and Sub•sub•Sections so as to present different concepts separately. Sections and sub•sections can be numbered using decimal points, e.g. 2.2 for the second section in Chapter 2 and 2.3.4 for the fourth Sub• section in third Section of Chapter 2. Chapters, Sections and Sub•sections shall be included in the contents with page numbers flushed to the right. Further subsections need not be numbered or included in the contents.

Table / Figure Format

- As far as possible, tables and figures should be presented in portrait style. They should be inserted as close to the textual reference as possible. Small size table and figures (less than half of writingarea

of a page) should be incorporated within the text, while larger ones may be presented on separate pages.

- Tables, figures and equations should be numbered chapter-wise using Arabic numerals. They are referred to in the body of the text capitalizing the first letter of the word and number, as for instance, Table 5.3, Figure 3.11, Equation (4.16),etc.
- Table number and title will be placed above the table while the figure number and caption will be located below the figure. Reference for Table and Figures reproduced from elsewhere shall be cited in the last and separate line in the table and figure caption, e.g. [Ref. Jaiswal (2001)].
- All tables (tabulated data) and figures (charts, graphs, maps, images, diagrams, etc.) should be prepared, wherever possible, on the same paper used to type the text and conform to the specifications out lined earlier.

Annexure/Appendix

Detailed information, lengthy derivations, raw experimental observations etc. are to be presented in the separate appendices, which shall be numbered in English Alphabet Capitals (e.g. Appendix A, Appendix F). Since reference can be drawn to published/unpublished literature in the appendices, these should precede the Literature Cited/Reference section.

Literature Cited/References

The list of references should appear as a consolidated list with references listed either alphabetically or sequentially as they appear in the text of the thesis. Spacing and font size should be consistent inside a single reference, and there should be double spacing between two different references. A few examples of formats of references are given below in case of single and multiple authors and the student should be consistent in following the style. The style should be as per standard prevailing formats such as; ASCE/ASME/IEEE/ISME or equivalent.

Template for Journal:

Author Surname,Author Initial. (Year Published). 'Title'.*Publication Title*,Volume number(Issue number),Pages Used.

Journal

Gupta, L. M. (2003). "Factors of safety in construction."*Journal Structure Engineering*. ASCE, 122(2), 285-293.

Ingle, R. K., Jaiswal, O. R., Bakre, S. V., Sonparote, R. S., Datta, D., and Kumar, R. (2010). "Team of structural dynamics and earthquake engineering."*civil Engineering. Mech., 15*(4),309-315.

Conference/Proceedings

Mahajan, M. M. (2003). "Parametric study of well foundation."*Proc., 11th World Congress on Structural Engineering. (WCSE-2003),*Washington D.C., USA,385-393.

Gupta, L. M., Mahajan, M. M., Ronghe, G. N., Vyavahare, A. Y., Borghate, S. B., and Khatri, A. P. (2007). "Team of structural engineering."*Proc., NationalConference on Emerging Trends in Engineering & Technology (FRONTIER 2007),*BNCOE, Pusad, Yeotmal, Maharashtra, India, 57-66.

Template for books:

Author Surname,Author Initial. (Year Published).*Title*.Publisher,City,Pages Used.

Books

Gupta, L. M. (2005).*Composite steel structures,*Wiley & Sons, New York, USA. Edition 2

Bakre,S . V . , k h a t r i , A. P., andKumar,R . (2011).*Seismic vulnerabilityofbuildings*, Pearson Education in South Asia, Chennai,India.

Codes

IS 1893. (Part 1) (2002).*Criteria for earthquake resistant design of structures,Part 1 general provision and buildings (fifth revision),*BIS, New Delhi, India.

AASHTO. (2004).*LRFD bridge design specification,*Washington, D.C., USA.

Template for web pages:

Author Surname,Author Initial. (Year Published). 'Title'. <http://WebsiteURL> (Oct. 10, 2013).

Web Page

U.S. Dept. of the Army. (2002).*Field manual: Military nonstandard fixedbridging,* U.S. Dept. of the Army, Washington, D.C., <http://www.globalsecurity.org/military/library/policy/army/fm/3-34-343/index.html > (March 8, 2009).

The Mathworks, Inc. (2007).*Optimization Toolbox user's guide: MATLABProgramming,*<http://www.mathworks.com/access/helpdesk/help/toolbox/optim
/> (June 10, 2007).

[TITLE]

(Times new Roman 18)

[SESSION]

A Dissertation Submitted to
Rajiv Gandhi Proudyogiki Vishwavidyalaya,
Bhopaltowards the partial fulfillment of
the degree of

(Times new Roman 16 Italic bold)

Master of Engineering

[Transportation Engineering]

(Times new Roman 18 bold)

Supervised by:
[Prof. Name]
no] CE&AMD

Submitted by:
[Student name & enrollment
CE &AMD

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS
SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE, INDORE (M.P.)

(Times new Roman 16 bold)

[TITLE]

(Times new Roman 18)

[SESSION]

A Dissertation Submitted to
Rajiv Gandhi Proudyogiki Vishwavidyalaya,
Bhopaltowards the partial fulfillment of
the degree of

(Times new Roman 16 Italic bold)

Master of Technology

[Environmental Engineering]

(Times new Roman 18 bold)

Supervised by:
[Prof. Name]
no] CE&AMD

Submitted by:
[Student name & enrollment
CE &AMD

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS
SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE, INDORE (M.P.)

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DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS
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A Govt. Aided Autonomous Institute
Affiliated to RGPV, Bhopal
(Times new Roman 14 bold)

[Session]

RECOMMENDATION
(Times new Roman 20 bold)

We are pleased to recommend that the dissertation work entitled **TITLE** submitted by**[Name]**may be accepted in partial fulfillment of the degree of **Master of Technology [Branch]** of Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P.) during the**[session].**(Times new Roman 16 bold)

[Supervisor name]
[Designation]
CE&AMD
S.G.S.I.T.S. Indore(M.P.)

[Name of HOD]
[Designation]
CE & AMD
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A Govt. Aided Autonomous Institute
Affiliated to RGPV, Bhopal
(Times new Roman 14 bold)

CERTIFICATE

(Times new Roman 20 bold)

This is to certify that the dissertation entitled **TITLE** submitted by **[Name]**is accepted in partial fulfillment of the degree of **Master of Technology [Branch]**of Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal during the**[session].**(Times new Roman 16 bold)

Internal Examiner
Date:

External Examiner
Date:

DECLARATION

(Times new Roman 20 bold)

I**(student name, branch, department)**declare that the dissertation **Title**is my own work conducted under the supervision of [**Guide name**],**Professor Civil Engg. and Applied Mechanics Department, S.G.S.I.T.S. Indore (M.P.).**

I further declare that to the best of my knowledge this dissertation work does not contain any part of any work which has been submitted for the award of any degree or any other work either in this University or in any other University/ websites without proper citation.

Signature of the candidate	:	- - - - - --
Name of the candidate	:	- - - - - - --
Enrollment No.	:	- - - - - - --
Date	:	- - - - - - --

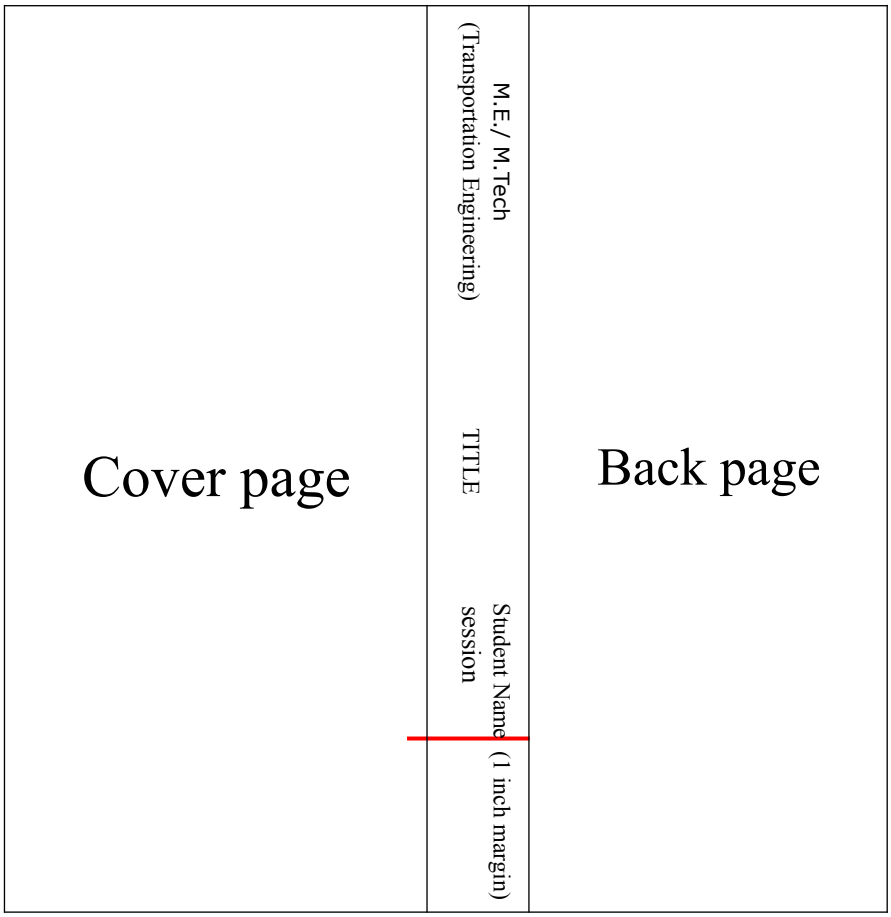
(Times new Roman 14 bold)

Contents

List of Figures

List of Tables

EDGE (left to right)



Acknowledgments

Enter Author name

References

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[2] A.J. Smith. Line (block) size choice for cpu cache memories. *Computers, IEEE Transactionson*, C-36(9):1063–1075, Sept1 9 8 7 .

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[5] Nathan Binkert, Bradford Beckmann, Gabriel Black,StevenK. Reinhardt, Ali Saidi, Arkaprava Basu, Joel Hestness, Derek R.Hower, Tushar Krishna, SomayehSardashti, Rathijit Sen, Korey Sewell, Muhammad Shoaib, Nilay Vaish,Mark D. Hill,and

Appendix A

Codes used in the t h e s i s

1. Code of Python Script toconvertGem5 stats file to McPATinput XML file[14]

```
#!/usr/bin/python
from optparse import Option Parser import
sys
import re
importj s on
import types
importmath
fromxml. e tree      importElementTreeasET

#This   i s awrapperoverxmlparse
rsothat#commentsarepreserved.
#source:   http://effbot.org/zone/element-pi.htmdass
        PIParser(ET.XMLTreeBuilder):
    def   __i nit___( s e l f ):
```

Publications From the Thesis

1. Reference of Paper 1 in the standard format

2. Reference of Paper2 in the standard format3.. .

4. ..

5. and so on

Biography

<Insert brief Bio of Author (i.e. student)>

Plagiarism Report

<Insert Report)>

CHAPTER 1
INTRODUCTION