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

###### GUIDELINES FOR PREPARATION OF THESIS/ DISSERTATION

**FOR**

**M.Tech/ M.E.**

1

###### SEQUENCE OF PAPERS

**Part A**

1. Cover page
2. Inner first page (inner cover page)
3. Recommendation
4. Certificate
   1. 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

1. Abstract/Synopsis
2. Contents
3. List of Figures
4. List of Tables
5. List of Symbols
6. List of Abbreviations - - Roman page nos.(end)(xii)

###### Part C

1. Chapters (General Guidelines)
2. Introduction
3. Literature Review
4. About Case Study
5. Methodology and Analysis
6. Results and Discussion
7. Conclusions and Scope for Further Study
8. References
9. Bibliography, if required
10. Appendix, if required
11. 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 ofTHESIS/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**.

|  |  |  |
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| **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:

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

2

* 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.

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

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* Vertical space between paragraphs shall be about 2.5 linespacing.
* 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.

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

* Cover Page
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* Declaration
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**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.

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

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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 be used).

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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).

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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.

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  + Capitalizing the first letter of the word and number, as for instance, Table 5.3, Figure 3.11, Equation (4.16),etc.
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###### 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 Research Papers:

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.

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###### Conference/Proceedings

Mahajan, M. M. (2003). “Parametric study of well foundation.”*Proc., 11thWorldCongress 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.

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

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###### 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.

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The Mathworks, Inc. (2007). *Optimization Toolbox user’s guide: MATLAB Programming, <*<http://www.mathworks.com/access/helpdesk/help/toolbox/optim>

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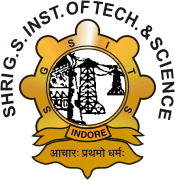
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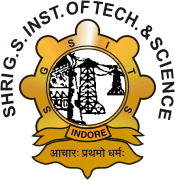
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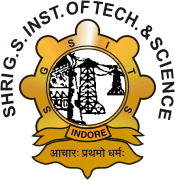
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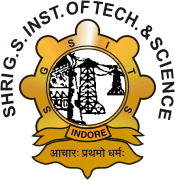
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I**(student name, branch, department)**declare that the dissertation **Title** is my own work conducted under the supervision of [**Guide name**],**Professor Civil Engg. and Applied Mechanics Department, S.G.S.I.T.S. Indore (M.P.).**

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 : - - - - ---

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###### CHAPTER 1 INTRODUCTION

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* + 1. Santhosh Kumar Rethinagiri, Rabie Ben Atitallah, Jean-Luc Dekeyser, Eric Senn, and Smail Niar. (2012 ) An efficient power estimation methodology for complex rise processor-based platforms. *In Proceedings of the Great Lakes Symposium on VLSI,GLSVLSI’12,* pages 239–244,
    2. A.J.Smith. Line(1987) size choice for cpu cache memories .Computers, *IEEETransaction,C-36(9)*:1063–1075.
    3. Sheng Li, Jung Ho Ahn, R.D. Strong, J.B. Brockman, D.M.Tullsen, and N.P.Jouppi. Mcpat (2009), An integrated power, area, and timing modeling framework for multicore and many core architectures. In *International Symposium on Micro architecture, MICRO-42.42Nd Annual IEEE/ACM,*pages469–480,
    4. Gupta, L.M.(2003).“Factors of safety in construction. *”Journal Structure Engineering. ASCE, 122(2),* 285-293.
    5. 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.” C*ivil Engineering. Mech.,15*(4),309-315.

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3. Gupta, L. M. (2005).*Composite steel structures,*Wiley & Sons, New York, USA. Edition2
4. Bakre,S . V . k h a t r i , A.P., and Kumar,R . (2011).*Seismic vulnerability of buildings*, Pearson Education in South Asia,Chennai,India.
5. IS 1893. (Part 1) (2002).*Criteria for earthquake resistant design of structures,Part 1general provision and buildings (fifth revision),*BIS, New Delhi,India.
6. AASHTO. (2004). *LRFD bridge design specification,*Washington, D.C.,USA
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8. The Mathworks, Inc. (2007).*Optimization Toolbox user’s guide: MATLABProgramming,*<<http://www.mathworks.com/access/helpdesk/help/toolbox/optim>/> (June 10,2007).

# Appendix A

Codes used in the thesis

* 1. Code of Python Script toconvertGem5 stats file toMcPATinputXML file[14]

#!/usr/bin/python

from optparse import Option Parser import sys

import re

importjson

importtypes importmath

fromxml.etree importElementTreeasET

#This i sawrapperoverxmlparsersothat#commentsarepreserved.

#source: http://effbot.org/zone/element−pi.htmclassPIParser(ET.XMLTreeBuilder):

def init ( s e l f):

25

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1. Reference of Paper 1 in the standard format
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