CONTENTS OF MS THESIS REPORT

Once the Research work is complete, students are required to submit three hard bound copies of thesis report and CD containing the content as explained later. The thesis should not be less than 80 pages, unless otherwise required / justified. Final evaluation will be conducted only after submission of the thesis.

Following should be the contents/chapters of the Thesis Report.

Title Page
Signatures Page *(Signed by Supervisor/Advisor)*
Abstract
Dedication
Preface or Acknowledgment
Table of Contents
  a. Table of Contents with page references. Individual listing of preliminary pages Preface, Dedication, Acknowledgments.
  b. Individual listing of Tables, Figures, Illustrations, Software Specifications, if included.
  c. List of Chapter or Section Headings; Appendices; Bibliography
  d. List of Abbreviations
1. Introduction and Background:
  a. background
  b. statement of the problem
  c. purpose of the research
  d. applications of the research
  e. theoretical bases and organization
2. Review of the literature
  a. Related Technologies
  b. Related Projects
  c. Related Studies
  d. Their Limitations and Bottlenecks
3. Methodology
  a. design of the investigation
  b. data analysis procedures
4. Implementation
  a. verification of results preferably by implementation or
  b. alternately by simulation and mathematically
5. Results and discussion
  a. presentation of the findings
  b. discussion of the findings
6. Conclusions and Further Work
   includes limitations and recommendations
7. Bibliography / References
8. Appendices *(if included)*

*This document supersedes any previous guidelines on this topic.*
FORMATTING REQUIREMENTS

The single-sided, normal character spaced manuscript is to be arranged as follows:

BINDING

Three hard-bound copies of the final project documentation /Thesis are required by project office before the Final Evaluation along with a CD named after the Group ID of the group, containing the content as described in detail.

Note:
Spine of binding must contain Group ID and Project Title as shown in figure on the left.

Please keep in mind that the binding takes 3-4 days to complete

COLOUR OF BINDING
For Masters the color of binding should be black with golden text (foreground color) and for BS dark blue background with silver text.

PAPER
Use 80 grams paper; A4 (8.27 x 11.69) except for oversized items. All copies to be submitted should be printed, photocopies will not be accepted.

FONTS AND SPACING
The preferred font is Times New Roman; acceptable font size is between 10 and 12; different typefaces (e.g., italics) may be used only to show differences in captions and special text. Spacing must be 1.5 between the lines.

CHAPTER HEADING
• Chapters and section numbering should be same as given in Table of Contents.
• Chapter should begin with ‘Chapter XX' on the first line, in font size 18, Sentence Case, left aligned. Here XX refers to the chapter number.
• The following line should contain ‘chapter heading title', all Upper case, font size 18, alignment as per regular text or left-aligned.

Section Heading
Font size 16, Bold, Title case, alignment left-aligned or as per regular text.

Sub-Section Heading
Font size 14, Title case, alignment left-aligned or as per regular text.

Sub-Sub-Section Heading
Font size 12, Underlined, Sentence case, alignment left-aligned or as per regular text.

Wherever code is given use Courier New with font size 10

PRINT QUALITY
Use laser printers or minimum 600 dpi inkjet printers.

This document supersedes any previous guidelines on this topic.
**MARGINS AND PAGINATION**

- Left Margin 1.5 inch from edge of paper
- Gutter 0.5 inch
- Top Margin 1 inch from edge of paper
- Bottom Margin 1 inch from edge of paper
- Right Margin 1 inch from edge of paper

Pages preceding (before) Chapter 1 must have lower case Roman numerals, right aligned ½ inch from bottom of page, starting with the signatures page that is numbered “ii”. Title page is unnumbered, but is the implied number “i”.

First page of text uses the Arabic number “1” and pages thereafter carry consecutive Arabic numbers, including the pages in the Appendices and the Bibliography.

Arabic numbers are positioned in the bottom right-hand corner, ½ inch from the bottom and one inch in from the right edge of the paper.

**HEADER AND FOOTER**

<table>
<thead>
<tr>
<th>Header &amp; Footer Dimensions</th>
<th>0.5 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text font in Header &amp; Footer</td>
<td>8 Pts Times New Roman</td>
</tr>
<tr>
<td>Header Contents</td>
<td>Project Title (Left)</td>
</tr>
<tr>
<td></td>
<td>Chapter Title (Right)</td>
</tr>
<tr>
<td>Alignment</td>
<td>Justify</td>
</tr>
<tr>
<td>Footer Contents</td>
<td>Page Number (Right)</td>
</tr>
</tbody>
</table>

**Note:** Do not put any lines or boxes in head and footer other than the content as explained above.

**ILLUSTRATIVE MATERIALS (Tables, Graphs, Figures)**

- Color may be used, however, when it is microfilmed, it will be in black and white.
- If color is used, students must label or number the table or figure so that meaning can be determined in black and white.

**FIGURES AND GRAPHS**

- Preferably prepared in a widely used graphics package with good quality high-resolution printout.
- All figures to be named in the format ‘Figure XX.YY’ where ‘XX’ is the chapter number and ‘YY’ is the sequence number within the chapter. E.g. the third figure in chapter five will be numbered ‘Figure 5.3’.
- Figures and Graphs will be centre-aligned.
- The caption of figures will be pasted near the bottom of the figure. The caption will start with figure number, followed by the title. The caption will be centre-aligned and in font-size same as of text with Title case or Sentence case.
- Portrait orientation of figures and graphs is preferred.

**TABLES**

- Tables should preferably be prepared in good quality word-processing or graphics package.
- Tables should preferably use the same text size and font as standard text.
- Tables should be centre-aligned.
- Tables should be numbered in the format ‘Table XX.YY’ where ‘XX’ is the chapter number and ‘YY’ is the sequence number within the chapter. E.g. second table in fourth chapter will be number ‘Table 4.2’.
- Portrait orientation of tables is preferred.

*This document supersedes any previous guidelines on this topic.*
• The caption of tables will be pasted near the top of the table. The caption will start with table number, followed by the title. The caption will be center-aligned and in font-size same as of text with Title case or Sentence case.

OVERSIZED MATERIALS
• Oversize foldout pages may be included, though ample margins for binding must be included. Leave oversize pages unfolded.
• All pages must be appropriately numbered if bound in the text.
• If the oversize pages are bulky, place them in a special pocket at the back. If a pocket is required, it must be listed in the Table of Contents, but no page numbers are required.
• A duplicate set of all oversized materials must be submitted.

PHOTOGRAPHS
Photographs may be reproduced on 100 percent cotton paper and placed within the standard text margins.

EQUATIONS
• Equations and formulas should preferably be type-written in good quality word-processing or graphics package.
• All equations should be numbered in the format ‘(XX.YY)’ where ‘XX’ is chapter number and ‘YY’ is the sequence number within that chapter; e.g. equation appearing seventh in chapter two will be numbered as ‘(2.7)’.

REFERENCES AND CITATION
• All references used in the thesis will be provided in a separate section of the thesis after the last chapter and before the appendices.
• Font size = 10
• Harvard style will be used for all references. Some examples of this style are given below:
  o Citing single author: (Masud 1997)
  o Citing multiple authors: (Smith & Masud 2003)
  o Citing three authors: (Smith, Masud & Linda 2005)
  o Citing over three authors: (Jamal et al. 2005)
• Some examples of listing these references are below:


APPENDICES
• Title = ‘APPENDIX AA’ where ‘AA’ corresponds to A, B, C,... in sequential order, font size 18, left-aligned, starting from line 1 of page.
• Numbering will continue from references in a sequential order; e.g. if last page of references is page 182, Appendix A will start from page 183 and so forth.
• The text in appendices should preferably follow the same layout as regular text in chapters.
• Author’s publications or a list of publications arising from MS work may be given under an appendix.

*This document supersedes any previous guidelines on this topic.*