BACHELORS OF TECHNOLOGY
In Computer Engineering

PROJECT REPORT WRITING GUIDELINES

Duration of Final Examination for the group would be approximately 15 minutes including the Question Answer session.
The report to be submitted for correction to the respective internal guides should in no case be bound.

GENERAL FORMAT INSTRUCTIONS

All projects must follow certain basic style and format guidelines and also adhere to basic standards of clear, correct English and careful presentation. Students are encouraged to submit a draft of their reports to their internal guides at DDU before final binding to assist in the preparation of the final draft.

Students are warned not to follow the style and format of a thesis completed earlier at DDU or elsewhere. It may not have been properly prepared, or what was previously acceptable may not meet present requirements. Students should be sure that they are using the <u>current Guidelines for Bachelor's projects</u>. Students should check with the their corresponding internal guides to make sure they are working with the prescribed guidelines.

Basic Appearance

Computer/Printer: Students are expected to use computer word processing software to prepare the project. Laser printers are preferred, but letter-quality dot-matrix and ink jet printers may be used. Students are encouraged to submit a sample of their printer quality to their respective internal guides for final approval. The following requirements and restrictions should be noted:

- Corrections: Interlineations, strikeovers, excessively visible corrections, and smudged printing are not acceptable.
- Type Face: The type size should be 12 point. A common font such as Geneva, Helvetica, Palatino, or Times should be used, and it must be dark and uniform throughout.
- Proportional spacing should be avoided. These type styles cause problems with centering, column alignment, and justified right margins.
- **Bold** type should be used sparingly. Outline, shadow, or similar "trick" forms are not allowed anywhere in the project. Type used for charts, graphs, drawings, tables, etc., may differ according to format and space requirements but should always remain consistent.
- Italics may be used for appropriate purposes, i.e., for foreign words or phrases, for book and journal titles, etc. Students may also choose to use underline in place of italics. In either case, consistency of form is required.

Pagination: Each page must have a number designation, though numbers may be left off the title page and pages of chapter headings if the student prefers. All pages must be numbered consecutively as follows:

- Lower-case Roman numerals (i.e., i, ii, iii, iv, v, vi, etc.) are used for preliminary pages. The numerals appear cantered at the bottom of the page, approximately 1/2" above the bottom.
- Arabic numerals (i.e., l, 2, 3, 4, 5, 6, etc.) are used for the body of the project. The numerals appear in the upper right of the page, approximately 1/2" down from the top and 1/2"in from the right margin.
- Material inserted after final typing should be numbered as in this example: 21, 21a, 21b, etc. This expedient should be used sparingly.
- Appendices and the bibliography or reference list should be numbered consecutively with the rest of the project.

Number of Copies: Three copies of the project are required in case a student is pursuing the project individually. Four copies are required if in a group of two and Five copies are required if in a group of three. One copy should be on a standard executive bond paper. Other two copies can be photocopied on a reasonably good paper. **Only one copy of report should be turned in to the internal guides for initial approval. (Please ask your internal guide for type of report i.e. hard/soft copy)** Corrections should then be made, if required, and then three final copies prepared. All the copies are then submitted to the Head of the Department for examiners, transmittal to the library etc. Many departments, and some faculty, require a copy of the final project. Students should check with their advisors regarding the need for additional copies.

Preliminary Pages of the Project (in order of appearance):

Guard Sheets: A blank page must be placed at the beginning and end of each thesis copy.

i - Title Page: This page includes the approved title for the report with necessary details. (see Appendix A)

ii – Certificate: This page includes the approved title for the report with necessary details. (see Appendix B)

iii - Acknowledgements: This page should acknowledge and/or thank individuals for their assistance and may cite reasons for the study.

iv - Table of Contents: Titles and subtitles are to correspond exactly with those in the text. (See sample at the end of this write-up.)

v - List of Tables or Figures: This is separate from the Table of Contents. The tables/figures are numbered in the order in which they appear. Titles are to correspond exactly with those in the text.

vi - List of Illustrations: This is also a separate page. Illustrations are numbered in the order in which they appear in the entire project, not within each chapter or appendix. Again, titles must correspond exactly with those in the text.

Body of Project

Margins: For binding purposes and ease in copying observe the following:
- **Left: ONE AND ONE HALF inches (1 1/2").**
- **Top, right, and bottom: ONE inch (1").**

Particular care must be made to see that all tables, figures, and appendix materials meet the margin requirements as well.

Line Spacing: One & One-half (1.5 spacing) space in all the chapter of the report except in those places where conventional usage calls for single spacing, e.g., abstracts, footnotes, block quotations, or tables. More than two spaces between paragraphs in one section of the report is unacceptable.

Indentations: The first line of every paragraph should be indented. Block quotations must be indented ten spaces or Single or Double Tabs from the left margin.

Consistency: In capitalization, treatment of numbers, spellings, etc., consistency is required. For the sake of uniformity, regardless of what style manual or form book used, students should adopt the American (as opposed to British) custom of placing all commas and periods inside quotation marks. "The comma and period go," say American manuals, "inside every time." "How about double quotes?" "The answer is, 'Inside both.'"

Page Breaks: In the body of the report, the concluding words of a paragraph less than half a line long should not be carried over to the next page. If it is perceived that a page will end with a few words of the paragraph left over (half a line or less), the page may be broken off a little short and a line and a half carried over. Or the page may be made a little longer in order to put the extra half line at the bottom. The prescribed margins are given as guidance; an occasional extension for a very short distance into top or bottom margins is permitted.

Word Spacing and Division: Hyphenation of words is permitted if done correctly and not excessively. The last word on a page should never be hyphenated. If the right margin is justified by use of a word processor or other device, proportional spacing must be used. More than two spaces between words is not allowed, nor is a regular alternation of one and two spaces.

Illustrative Material: Proper format and placement of tables, figures, graphs, drawings, photographs, etc. should be maintained. These materials should be oriented so they are bound on either the left edge or along the top edge. As computer printouts are used, they must meet the general standards of graphic quality expected of other materials.

Footnotes/Endnotes

IEEE or ACM style should be used for format. Footnotes/endnotes are used to document sources, to amplify or qualify a statement, or to make acknowledgments.

Appendix

The title page bears only the centered word APPENDIX (or APPENDICES). Page numbers are continuous with the text. The Appendix contains material which is of interest to the reader but not an integral part of the report. If items protected by copyright are to be included, written permission from the author or publisher must be obtained and so noted.

Bibliography

Project should include a bibliography or list of literature cited, consisting of references to original literature relevant to the area of inquiry. A bibliography must include, but is not limited to, all works cited in the text. Students should follow the IEEE or ACM format of the Bibliography, Works Cited or Reference List. Page numbers are continuous with the text.

Each entry in the bibliography is single spaced with a double space between entries.

AN ANDROID APPLICATION

FOR ONLINE SHOPPING

By

< Name of Student > (ID No. _____)

A project submitted

In

**partial fulfillment of the requirements
for the degree of**

**BACHELOR OF TECHNOLOGY
in
Computer Engineering**

Internal Guide   **External Guide**
Prof. _____   *Mr. _____*
Assistant Professor/Associate Professor/Professor   *Project Manager*
Dept. of Comp. Engg.   *ABC Corporation*

**Faculty of Technology
Department of Computer Engineering
Dharmsinh Desai University
April 2017**

CERTIFICATE

This is to certify that the project work titled

<Title of your project>

is the bonafide work of

<Your name with ID No.>

carried out in the partial fulfillment of the degree of Bachelor of Technology in Computer Engineering at Dharmsinh Desai University in the academic session
December 2016 to April 2017.

<Name of Internal Guide>   Dr. C. K. Bhensdadia
Asst. Prof./Assoc. Prof./Professor   Head,
Dept. of Computer Engg.   Dept. of Computer Engg.

Faculty of Technology
Department of Computer Engineering
Dharmsinh Desai University
April 2017

<Company Certificate >

Acknowledgements

TABLE OF CONTENTS

THE FIRST PAGE OF EVERY CHAPTER

Chapter <No.>

Title of Chapter

Table of Contents depending on the type of the project

Database Projects (Web based / E-commerce oriented etc.)

Chapter   1. Introduction
Chapter   2. About the system
Chapter   3. Analysis (ER, DFD, UML (use-case, sequence, class diagram in case of OOdesign, Activity)
Chapter   4. Design (Database, Front-end interface, validations, application navigation)
Chapter   5. Implementation
Chapter   6. Test case design and using them with appropriate snapshots of the screen layouts
Chapter   7. Conclusion and Future Extensions.
            Bibliography

Algorithm Implementation based

Chapter   1. Introduction
Chapter   2. About the system
Chapter   3. Algorithm and its working
Chapter   4. Implementation
Chapter   5. Test case design and using them with appropriate snapshots of the screen layouts
Chapter   6. Conclusion and Future Extensions.
Bibliography

Study Project

Chapter   1. Introduction
Chapter   2. About the system
Chapter   3. Study and Survey of related systems
Chapter   4. Conclusion and Future Extensions.
Bibliography

Hardware cum Software based

Chapter   1. Introduction
Chapter   2. About the system
Chapter   3. Analysis (ER, DFD, UML (use-case, sequence, class diagram in case of OOdesign, Activity)
Chapter   4. Design (Hardware, Front-end interface, validations, app. navigation)
Chapter   5. Implementation
Chapter   6. Test case design and using them with appropriate snapshots of the screen layouts
Chapter   7. Conclusion and Future Extensions.
Bibliography

Testing based