

<TITLE OF THE PROJECT>

A Project work-I Report

Submitted in partial fulfillment of requirement of the

Degree of

**BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE &
ENGINEERING**

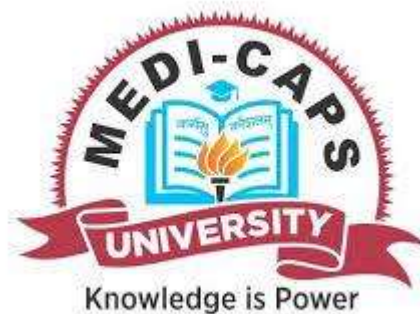
BY

<Name of the Student(s)>

<University Roll No(s) of the Student(s)>

Under the Guidance of

<Name of the Guide(s)>



**Department of Computer Science & Engineering
Faculty of Engineering
MEDI-CAPS UNIVERSITY, INDORE- 453331**

<MONTH YEAR>

Report Approval

The project work“<Title of the Project>” is hereby approved as a creditable study of an engineering/computer application subject carried out and presented in a manner satisfactory to warrant its acceptance as prerequisite for the Degree for which it has been submitted.

It is to be understood that by this approval the undersigned do not endorse or approved any statement made, opinion expressed, or conclusion drawn there in; but approve the “Project Report” only for the purpose for which it has been submitted.

Internal Examiner

Name:

Designation

Affiliation

External Examiner

Name:

Designation

Affiliation

Declaration

I/We hereby declare that the project entitled “<Title of the Project>” submitted in partial fulfillment for the award of the degree of Bachelor of Technology ‘<Name of Department>’ completed under the supervision of <Name, designation and department of the Guide(s)>, Faculty of Engineering, Medi-Caps University Indore is an authentic work.

Further, I/we declare that the content of this Project work, in full or in parts, have neither been taken from any other source nor have been submitted to any other Institute or University for the award of any degree or diploma.

Signature and name of the student(s) with date

Certificate

I/We, **<Name of the Guide(s)>** certify that the project entitled “**<Title of the Project>**” submitted in partial fulfillment for the award of the degree of Bachelor of Technology/Master of Computer Applications by **<Name of the student(s)>** is the record carried out by him/them under my/our guidance and that the work has not formed the basis of award of any other degree elsewhere.

<Name of Internal Guide>

<Name of the Department>

Medi-Caps University, Indore

<Name of External Guide (If any)>

<Name of the Department>

Name of the Organization

Dr. Pramod S. Nair

Head of the Department

Computer Science & Engineering

Medi-Caps University, Indore

Acknowledgements

I would like to express my deepest gratitude to Honorable Chancellor, **Shri R C Mittal**, who has provided me with every facility to successfully carry out this project, and my profound indebtedness to **Prof. (Dr.) Dileep K. Patnaik**, Vice Chancellor, Medi-Caps University, whose unfailing support and enthusiasm has always boosted up my morale. I also thank **Prof. (Dr.) D K Panda**, Pro Vice Chancellor, **Dr. Suresh Jain**, Dean Faculty of Engineering, Medi-Caps University, for giving me a chance to work on this project. I would also like to thank my Head of the Department **Dr. Pramod S. Nair** for his continuous encouragement for betterment of the project.

I express my heartfelt gratitude to my Internal Guide/Project coordinator Dr./Mr. without whose continuous help and support, this project would ever have reached to the completion.

Student may write as per their experience.

<Name of the Student(s)>

B.Tech. IV Year

Department of Computer Science & Engineering

Faculty of Engineering

Medi-Caps University, Indore

Executive Summary

An executive summary is a concise summary of a project report. It restates the purpose of the report, it highlights the major points of the report, and it describes any results, conclusions, or recommendations from the report. An executive summary should be aimed at an audience that is interested in and wants to learn more about the purpose of the main project report.

An executive summary should...

- Be presented as a document that can stand on its own
- Be one to two pages, depending on the length of the report

Contents (Annexure-H, Remove after finalization)

Table of Contents

		Page No.
	Front Page	
	Report Approval	ii
	Declaration	iii
	Certificate	iv
	Acknowledgement	v
	Executive Summary	vi
	Table of Contents	vii
	List of figures	viii
	List of tables	ix
	Abbreviations	x
	Notations & Symbols	xi
Chapter 1	Introduction (Whichever is applicable)	
	1.1 Introduction	1
	1.2 Literature Review	
	1.3 Objectives	
	1.4 Significance	
	1.5 Research Design	
	1.6 Source of Data	
	1.7 Chapter Scheme	
Chapter 2	(Report on Present Investigation)	
	2.1 Experimental Set-up	
	2.2 Procedures Adopted	
	2.3	
Chapter 3	(Main Chapter)	
	3.1	
Chapter 4	Main Chapter (Optional)	
Chapter 6	Main Chapter (Optional)	
Chapter 6	Main Chapter (Optional)	
Chapter 7	Results and Discussions	
Chapter 8	Summary and Conclusions	
Chapter 9	Future scope	
	Appendix	
	Bibliography	
	List of Publications (If any)	
	Reprints of publications(If any)	
Note	Results and Discussions may not be a separate chapter it may be included in main chapter	

List of Figures

List of Tables

Abbreviations

Notations & Symbols

Chapter-1

Standard Formats and Guidelines for Thesis / Dissertations / Reports

In this regulation, standard formats and guidelines for the submission of the thesis / dissertation / report are given which shall be the requirement for partial fulfillment of the respective degrees such as Ph.D, M.Tech, M.Phil etc.

(a) Organization of the Thesis / Dissertation / Report

The Thesis / Dissertation / Report shall be presented in a number of chapters, starting from Abstract, Introduction and ending with Summary and Conclusions. Other chapters will have the description of the work carried out by the student. All the chapters shall have precise title reflecting the contents of the chapter and be subdivided into *sections*, *sub-sections* and *sub-sub-sections* describing the contents distinctly with due emphasis.

When the work comprises two or more mutually independent investigations, the thesis may be divided into two or more parts, each with an appropriate title. However, the numbering of chapters will be continuous right through, for example Part I may comprise of Chapters 1-5 and Part II having Chapters 6-9. The chapters and their contents are highlighted below.

TITLE PAGE, DEDICATION, ACKNOWLEDGEMENT, Approval Sheet, ETC.

(b) Abstract

About 500 words abstract shall highlight the important features of the thesis / dissertation / report. The electronic version shall be submitted to KMC for inclusion in the website. The Abstract in the thesis, however, additionally shall have two more parts, namely, the layout of the thesis giving a brief chapter wise description of the work and the key words.

(c) Contents

The contents shall follow the Abstract and shall enlist the titles of the chapters, section and sub-section using decimal notation, as in the text, with corresponding page number against them, flushed to the right.

(d) List of Figures and Tables

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

(e) Abbreviation, Notation and Nomenclature

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 figures and tables. (As far as possible, generally accepted symbols and notation should be used).

Auxiliary pages from dedication (if any) to abbreviations shall be numbered using Roman numerals in lower case, while the text starting from the Introduction shall be in Hindu-Arabic. (The first pages in the both the cases shall not bear a page number).

(f) Declaration of Academic Honesty and Integrity

A declaration of Academic honesty and integrity is required to be included along with every thesis / dissertation / report **after the approval sheet**. Sample copy of the 'Declaration Sheet' is in the Specimen.

The writing of the thesis / dissertation / report will commence in several chapters starting from Introduction. The chapter wise details are given below:

- (g) **Introduction**
The title of **Chapter 1** shall be Introduction. This shall normally form literature review and shall present a critical appraisal of the previous work published in the literature pertaining to the topic of the investigation. The extent and emphasis of the chapter shall depend on the nature of the investigation. It may also highlight the significant contributions from the investigation. It shall justify and highlight the problem posed, define the topic and explain the aim and scope of the work presented in the thesis.
- (h) **Report on the Present Investigation**
The reporting on the investigation shall be presented in one or more chapters with appropriate titles.
- (i) Due importance shall be given to experimental setups, procedures adopted,
- (j) Techniques developed, methodologies developed and adopted.
- (k) While important derivations / formulae should normally be presented in the text of these chapters, extensive and long treatments, copious details and tedious information, detailed results in tabular and graphical forms may be presented in Appendices. Representative data in table and figures may, however, be included in appropriate chapters.
- (l) Figures and tables should be presented immediately following their first mention in the text. Short tables and figures (say, less than half the writing area of the page) should be presented within the text, while large table and figures may be presented on separate pages.
- (m) Equations should form separate lines with appropriate paragraph separation above and below the equation line, with equation numbers flushed to the right.
- (n) **Results and Discussions**
This shall form the penultimate chapter of the thesis and shall include a thorough evaluation of the investigation carried out and bring out the contributions from the study. The discussion shall logically lead to inferences and conclusions as well as scope for possible future work.
- (o) **Summary and Conclusions**
This will be the final chapter of the thesis. A brief report of the work carried out shall form the first part of the Chapter. Conclusions derived from the logical analysis presented in the Results and Discussions Chapter shall be presented and clearly enumerated, each point stated separately. Scope for future work should be stated lucidly in the last part of the chapter.
- (p) **Appendix**
Detailed information, lengthy derivations, raw experimental observations etc. are to be presented in the separate appendices, which shall be numbered in Roman Capitals (e.g. "Appendix IV"). Since reference can be drawn to published / unpublished literature in the appendices. These should precede the "Literature Cited" section.
- (q) **Literature Cited**

This should follow the Appendices, if any, otherwise the Summary and Conclusions chapter. The candidates shall follow the style of citation and style of listing in one of the standard journals in the subject area consistently throughout his/her thesis, for example, IEEE in the Department of Electrical Engineering, Materials Transactions in Department of Metallurgical Engineering and Materials Science. However, the names of all the authors along with their initials and the full title of the article/monogram/book etc. have to be given in addition to the journals/publishers, volume, number, pages(s) and year of publication.

- (r) Citation from websites should include the names(s) of author(s) (including the initials), full title of the article, website reference and when last accessed.
- (s) Reference to personal communications, similarly, shall include the author, title of the communication (if any) and date of receipt.
- (t) Publications by the candidate
Articles, technical notes etc. on the topic of the thesis published by the candidate may be separately listed after the literature cited. This may also be included in the contents. The candidates may also include reprints of his/her publications after the literature citation.
- (u) Acknowledgements
The acknowledgments by the candidate shall follow the citation of literature, signed by him/her, with date.
- (v) Format of the Thesis
 - (a) Paper Quality
 - (b) The thesis shall be printed/xeroxed on white bond or Executive Bond paper, whiteness 95% or above, weight 70 gram or more per square meter.
 - (c) Size
 - (d) The size of the paper shall be standard A 4; height 297 mm, width 210 mm.
 - (e) Type -Setting, Text Processing and Printing
 - (f) The text shall be printed employing laserjet or Inkjet printer, the text having been processed using a standard text processor. The standard font shall be Times New Roman of 12 pts with 1.5 line spacing.
 - (g) Page Format
 - i. The Printed Sheets shall have the following written Area and margins:

1. Top Margin	15 mm
2. Head Height	3 mm
3. Head Separation	12 mm
4. Bottom Margin	22 mm
5. Footer	3 mm
6. Foot Separation	10 mm
7. Text Height	245 mm
8. Text Width	160 mm

When header is not used the top margin shall be 30 mm.
 - ii. Left and Right Margins

The candidates shall have the options of single or double sided printing
Single sided/odd number page (in double sided printing)
Left Margin 30 mm
Right Margin 20 mm
Double sided- even numbered page
Left Margin 20 mm
Right Margin 30 mm

(w) **Pagination**

Page numbering in the text of the thesis shall be Hindu-Arabic numerals at the center of the footer. But when the candidate opts for header style the page number shall appear at the right and left top corner for the odd and even number pages, respectively.

Page number “1” for the first page of the Introduction chapter shall not appear in print, only the second page will bear the number “2”.

The subsequent chapters shall begin on a fresh page (fresh odd number page in case of double sided printing). When header style is chosen the first page of each chapter will not have the header and the page number shall be printed at the center of the footer.

Pagination for pages before the Introduction chapter shall be in lower case Roman numerals, e.g., “iv”.

(i) **Header**

When the header style is chosen, the header can have the Chapter number and Section number (e.g., Chapter 2, Section 3) on even numbered page headers and Chapter title or Section title on the odd numbered page header.

(ii) **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 or 12mm. A candidate may, however, choose not to indent if (s) he has provided sufficient paragraph separation.

A paragraph should normally comprise more than one line. A single line of a paragraph shall not be left at the top or bottom of a page (that is, no windows or orphans should be left)

The word at the right end of the first line of a page or paragraph should, as far as possible, not be hyphenated.

(x) **Chapter and Section Format**

Each chapter shall begin on a fresh page (odd number page in case of double sided printing) with an additional top margin of about 75mm. Chapter number (in Hindu-Arabic) and title shall be printed at the center of the line in 6mm font size (18pt) in bold face using both upper and lower case (all capitals or small capitals shall not be used). A vertical gap of about 25mm shall be left between the Chapter number and Chapter title lines and between chapter title line and the first paragraph.

(y) **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 Subsections shall be included in the contents with page numbers flushed to the right. Further subsections need not be numbered or included in the contents.

The Section and Sub-Section titles along with their numbers in 5 and 4mm (16 and 14 pt) fonts, respectively, in bold face shall be flushed to the left (not centered) with 15 mm space above and below these lines.

In further subdivisions character size of 3 and 3.5 with bold face, small caps, all caps and italics may be used for the titles flushed left or centered. These shall not feature in the contents.

(z) Table / Figure Format

As far as possible tables and figures should be presented in portrait style. Small size table and figures (less than half of writing area of a page) should be incorporated within the text, while larger ones may be presented on separate pages. Table and figures shall be numbered chapter -wise. For example, the fourth figure in chapter 5 will bear the number Figure 5.4 or Fig 5.4

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. (after McGregor [12]).

(aa) Other Details

(a) Binding

(b) The final **hard bound** copies (**Number of students in the project group + 2**) to be submitted before the viva-voce examination will be accepted during the submission of thesis/dissertation/report with the following colour specification:

(c) B.E./B.Tech Project Report Brown

(d) Front Covers

The front covers shall contain the following details:

- (a) Full title of thesis in 6 mm 22 point's size font properly centered and positioned at the top.
- (b) Full name of the candidate in 4.5 mm 15 point's size font properly centered at the middle of the page.
- (c) A 40 mm dia replica of the university emblem followed by the name of department, name of the faculty and the year of submission, each in a separate line and properly centered and located at the bottom of page.

(e) Lettering

All lettering shall be embossed in golden color.

Bound back

The degree, the name of the candidate and the year of submission shall also be embossed on the bound (side) in gold.

(f) 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.

This shall be the first printed page of the thesis and shall contain the submission statement: the Thesis/Dissertation/project Report submitted in partial fulfillment of the requirements of the Degree, B.Tech. the name and Roll No. of the candidate, name(s) of the Supervisor and Co-supervisor (s) (if any), Department, Institute and year of submission.

Sample copy of the 'Title Sheet' is in the Specimen Annexure – A

(g) Dedication Sheet

(h) If the candidate so desires(s) he may dedicate his/her thesis, which statement shall follow the title page. If included, this shall form the page 1 of the auxiliary sheets but shall not have a page number.

(i) Approval Sheet

In the absence of a dedication sheet this will form the first page and in that case shall not have a page number. Otherwise, this will bear the number two in Roman lower case “ii” at the center of the footer. The top line shall be :

- **Report Approval** for M.A./M.B.A., B.E./B.Tech., MCA, MBA and M.Sc. Projects, as the case may be.

References and Citations

Follow IEEE referencing style for citing the material used in project report. The IEEE reference style for different materials is described below.

Material Type	Works Cited
Book in print	[1] D. Sarunyagate, Ed., <i>Lasers</i> . New York: McGraw-Hill, 1996.
Chapter in book	[2] G. O. Young, "Synthetic structure of industrial plastics," in <i>Plastics</i> , 2nd ed., vol. 3, J. Peters, Ed. New York: McGraw-Hill, 1964, pp. 15-64.
eBook	[3] L. Bass, P. Clements, and R. Kazman, <i>Software Architecture in Practice</i> , 2nd ed. Reading, MA: Addison Wesley, 2003. [E-book] Available: Safari e-book.
Journal article	[4] G. Liu, K. Y. Lee, and H. F. Jordan, "TDM and TWDM de Bruijn networks and shufflenets for optical communications," <i>IEEE Trans. Comp.</i> , vol. 46, pp. 695-701, June 1997.
eJournal (from database)	[5] H. Ayasso and A. Mohammad-Djafari, "Joint NDT Image Restoration and Segmentation Using Gauss–Markov–Potts Prior Models and Variational Bayesian Computation," <i>IEEE Transactions on Image Processing</i> , vol. 19, no. 9, pp. 2265-77, 2010. [Online]. Available: IEEE Xplore, http://www.ieee.org . [Accessed Sept. 10, 2010].
eJournal (from internet)	[6] A. Altun, "Understanding hypertext in the context of reading on the web: Language learners' experience," <i>Current Issues in Education</i> , vol. 6, no. 12, July, 2005. [Online serial]. Available: http://cie.ed.asu.edu/volume6/number12/ . [Accessed Dec. 2, 2007].
Conference paper	[7] L. Liu and H. Miao, "A specification based approach to testing polymorphic attributes," in <i>Formal Methods and Software Engineering: Proceedings of the 6th International Conference on Formal Engineering Methods, ICFEM 2004, Seattle, WA, USA, November 8-12, 2004</i> , J. Davies, W. Schulte, M. Barnett, Eds. Berlin: Springer, 2004. pp. 306-19.
Conference proceedings	[8] T. J. van Weert and R. K. Munro, Eds., <i>Informatics and the Digital Society: Social, ethical and cognitive issues: IFIP TC3/WG3.1&3.2 Open Conference on Social, Ethical and Cognitive Issues of Informatics and ICT</i> , July 22-26, 2002, Dortmund, Germany. Boston: Kluwer Academic, 2003.
Newspaper article (from database)	[9] J. Riley, "Call for new look at skilled migrants," <i>The Australian</i> , p. 35, May 31, 2005. [Online]. Available: Factiva, http://global.factiva.com . [Accessed May 31, 2005].
Technical report	[10] K. E. Elliott and C.M. Greene, "A local adaptive protocol," Argonne National Laboratory, Argonne, France, Tech. Rep. 916-1010-BB, 1997.
Patent	[11] J. P. Wilkinson, "Nonlinear resonant circuit devices," U.S. Patent 3 624 125, Jul. 16, 1990.
Standard	[12] <i>IEEE Criteria for Class IE Electric Systems</i> , IEEE Standard 308, 1969.
Thesis/Dissertation	[1] J. O. Williams, "Narrow-band analyzer," Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.

Appendices (if any)

Bibilography

List of Publications (If any)

Reprint of Publications (If any)

Most Important: The no of hard bound copies to be prepared by project group for **B Tech students = 2+ <Number of Students in each group>**

1. Student(s) Copy (one each)
2. Guide Copy (one)
3. Department Copy (one)
