

RIMT-IET, MANDI GOBINDGARH

FORMAT FOR PREPARATION OF PROJECT REPORT

ARRANGEMENT OF CONTENTS:

The sequence in which the project report material should be arranged and bound as follows:

1. Cover Page
2. Inner Title Page (Same as cover page)
3. Certificate
4. Acknowledgement
5. Abstract
6. Table of Contents
7. List of Tables
8. List of Figures
9. Abbreviations and Nomenclature(If any)
10. Chapters
11. References
12. Appendices(If any)
13. Publication (If any)

The tables and figures shall be introduced in the appropriate places.

TYPING INSTRUCTIONS:

1. The project must be submitted in Two Copies (one for department and 2nd for library) duly signed by the Supervisor. Students should also submit the soft copy on CD in pdf format in the library.
2. The length of the report may be about 40 to 70 pages.
3. The project report shall be computer typed (English- British, Font -Times Roman, Size- 12 point) and printed on A4 size paper .
4. The project report shall be hard bound with cover page in sky blue color. The name of the students, degree, month and year of submission, name of the university including institute name shall be printed in black letters on the cover page [Refer sample sheet (outer cover page)]

5. The project report shall be typed with 1.5 line spacing with a margin 3.5 cm on the left, 2.5 cm on the top, and 1.25 cm on the right and at bottom. Every page in the project report must be numbered. The page numbering, starting from acknowledgements and till the beginning of the introductory chapter, should be printed in small Roman numbers, i.e, i, ii, iii, iv..... The page number of the first page of each chapter should not be printed (but must be accounted for). All page numbers from the second page of each chapter should be printed using Arabic numerals, i.e. 2,3,4,5... All printed page numbers should be located at the bottom centre of the page.
6. In the project report, the title page [Refer sample sheet (inner title pager)] should be given first then the Certificate by the candidate and the supervisor(s) in sequence, followed by an **abstract** of the report (not exceeding one page) and so on.
7. **The table of contents** should list all headings and sub headings. The title page and certificate will not find a place among the items listed in the Table of Contents. One and a half spacing should be adopted for typing the matter under this head.
8. **The list of tables** should use exactly the same captions as they appear above the tables in the text. One and a half spacing should be adopted for typing the matter under this head.
9. **The list of figures** should use exactly the same captions as they appear below the figures in the text. One and a half spacing should be adopted for typing the matter under this head.
10. The list of symbols, abbreviation & nomenclature should be typed with one and a half line spacing. Standard symbols, abbreviation etc should be used.
11. Project report consists of following chapters.

- a. Chapter 1- Introduction
- b. Chapter 2- Literature Survey
- c. Chapter 3- Present Work

(It will be divided into several chapters and each chapter may be further divided into several divisions and sub-divisions depending on type & volume of work.)

- d. Chapter 4- Result & Discussion
- e. Chapter 5- Conclusion & Future Scope (The chapter No. of chapter 4 & 5 may vary depending on no. of chapters covered in 'Present Work' chapter).

Each chapter should be given an appropriate title. Tables & figures in a chapter

should be placed in the immediate vicinity of the reference where they are cited. Footnotes should be used sparingly. They should be typed single space and placed directly underneath in the very same page, which refers to the material they annotate. Conclusion must not exceed more than two pages. Future scope also must not exceed one page.

13. Appendices are provided to give supplementary information, which is included in the main text may serve as a distraction and cloud the central theme.

- i) Appendices should be numbered using Arabic numerals, e.g. Appendix 1, Appendix 2, etc.
- ii) Appendices, Tables and References appearing in appendices should be numbered and referred to at appropriate places just as in the case of chapters.
- iii) Appendices shall carry the title of the work reported and the same title shall be made in the contents page also.

14. The listing of references should be typed 4 spaces below the heading “REFERENCES” in alphabetical order in single spacing left – justified. The reference material should be listed in the alphabetical order of the surname of the first author. The name of the author (s) should be immediately followed by the year and other details.

A typical illustrative list given below relates to the citation example quoted above.

REFERENCES:

1. **Anderson, J.D. (1995)** *Computational Fluid Dynamics*. McGraw Hill, Singapore 1995.
2. Barnard, R.W. and Kellogg, C. (1980) ‘Applications of Convolution Operators to Problems in Univalent Function Theory’, *Michigan Mach, J.*, Vol.27, pp.81–94.
3. Shin, K.G. and Mckay, N.D. (1984) ‘Open Loop Minimum Time Control of Mechanical Manipulations and its Applications’, *Proc.Amer.Contr.Conf.*, San Diego, CA, pp. 1231-1236.
4. Smith, R., (2002), – Conformal Lubricated Contact of Cylindrical Surfaces Involved in a Non-Steady Motion, accessed on 12/08/2007.

DESIGN OF SUB MODULES OF A MICRO PROCESSOR USING LOW POWER DESIGN TECHNIQUES

(24pt., 1.5 line spacing, Centre Aligned, Bold)

A MINOR /MAJOR PROJECT REPORT

(14pt, Bold)

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF
THE DEGREE OF
(12pt, Centre Aligned)

BACHELOR OF TECHNOLOGY (14pt, Bold)

(Electronics & Communication Engineering) (12pt)

SUBMITTED TO (14pt, Bold)

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR (14pt, Bold)

SUBMITTED BY (14pt, Bold)

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Designation (12pt)

November 2012 (12pt)

(Month & Year of Submission)

**RIMT- INSTITUTE OF ENGINEERING & TECHNOLOGY, MANDI GOBINDGARH
PUNJAB (14pt, Bold)**

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November 2012

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PUNJAB**

ACKNOWLEDGEMENT

I would like to place on record my deep sense of gratitude to Prof. _____, HOD-Dept. of Electronics & Communication Engineering, RIMT IET, Mandi Gobindgarh, India for his generous guidance, help and useful suggestions.

I express my sincere gratitude to Prof. _____, Dept. of Electronics & Communication Engineering, RIMT IET, Mandi Gobindgarh, India, for his stimulating guidance, continuous encouragement and supervision throughout the course of present work.

I also wish to extend my thanks to Prof. _____ and other colleagues for attending my seminars and for their insightful comments and constructive suggestions to improve the quality of this project work.

I am extremely thankful to _____, Director, RIMT IET, Mandi Gobindgarh, for providing me infrastructural facilities to work in, without which this work would not have been possible.

Signature(s) of Students

Karan Kumar (98149231), Rajesh Sharma (98149232), Tarvinder Singh (98149233)

CERTIFICATE

I hereby certify that the work which is being presented in the B.Tech. Major (or Minor) Project Report entitled “**Design of Sub Modules of a Micro Processor using Low Power Design Techniques**”, in partial fulfillment of the requirements for the award of the **Bachelor of Technology in Electronics & Communication Engineering** and submitted to the Department of Electronics & Communication Engineering of RIMT-Institute of Engineering & Technology Mandi Gobindgarh Punjab is an authentic record of my own work carried out during a period from **July 2012 to November 2012(7th /8th semester)** under the supervision of **Name & Designation of supervisor(s), ECE Department.**

The matter presented in this Project Report has not been submitted by me for the award of any other degree elsewhere.

Signature of Student (S)

Karan Kumar (98149231), Rajesh Sharma (98149232), Tarvinder Singh (98149233)

This is to certify that the above statement made by the student(s) is correct to the best of my knowledge.

Signature of Supervisor(s)

Date:

Name & Designation

Head

Electronics & Communication Engineering Department

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NOMENCLATURE

English Symbols

- A Pre-exponential constant
- C_p Specific heat, J/kg-K
- c Reaction progress variable
- D_d Instantaneous droplet diameter, m
- D_m Instantaneous droplet diameter

ABBREVIATIONS

ATDC	After Top Dead Center
BDC	Bottom Dead Center
BTDC	Before Top Dead Center
CA	Crank Angle
CAD	Computer Aided Design
CCS	Combined Charging System
CFD	Computational Fluid Dynamics
CO	Carbon Monoxide
CTC	Characteristic– Time Combustion