

The Guidelines & Format for the Minor/ Preliminary Project Report (B.Tech)

NOTE:

1. ME and ECE department 6th semester project work will be preliminary work of the Project to be continued in 7th semester. So ME and ECE department will write **“Preliminary Project Report”** in the Report and EE and CSE department will write **“Minor Project Report”**.
2. Supervisors of ECE and ME departments are advised to change the table of contents accordingly as the work will not contain design and results etc. as that will be carried out in the next semester i.e. 7th semester.
3. Spiral binding should be used for the Report.
4. Report Format is given after guidelines

A. GUIDELINES FOR STUDENTS

- a) The theme / topic of the project should be current and based on latest technology.
- b) The candidate has to get his project report according to this format provided and report should be duly checked and signed by his/her guide assigned.
- c) The length of the report may be about 60 to 100 pages.
- d) *Two Copies of the project report* duly signed by the Guide *with the entire group students name on it, is to be submitted*. Also every student must have individual report with their individual name on it.
- e) The project should be neatly typed on one side and in *A4 size Paper* only.
- f) Following typing Instructions should be followed while writing the chapters.

Chapter no. should be 14 bold times new roman

Chapter name .should be 16 bold .times new roman

1 Heading shall be typed in the Font style ‘Times New Roman’
and Font size 14 and bold. **BBBB**

2. Subheading shall be typed in the Font style ‘Times New Roman’
and Font size 12 and bold. **BBBB**

3 **The general text shall be justified and typed in the Font style
‘Times New Roman’ and Font size 12.**

4 One and a half (1.5) line spacing should be used for typing the general
text.

5 The left margin = 1.5”, Top , right & bottom margin = 1”

6. Header = 1.3”, Footer = 1.1”

7. Page no. must be in the center. There must be no missing, blank, or duplicate
pages. Minimum font size is 10-point and must be consistent throughout the
text. Chapter 1 must start on page 1. **The pages upto list of symbols should
bear page number in lower case Roman numerals.**

The page number on the title page should not be visible.

B. COMPONENTS OF A PROJECT REPORT

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

1. Cover Page & Title page

2. Declaration by the Student

3. Certificate

4. Acknowledgment

5. Table of Contents

6. Abstract **(Should be properly written that should give the clear description of the
whole project. Abstract will be shown to the University as and when required so Guides
should check that it describes the project in full covering introduction upto the
conclusion, future scope, limitations and applications of the project. The number of
pages for it should not exceed than 2 pages. It should not include any reference.)**

- 7. Chapters
- 8. Appendices
- 9. References
- 10. Publications

C. PREPARATION FORMAT

1. **Cover Page (Title Page):** Title, Name of the Candidate (University roll No.), Name of Guide, University Name (and emblem) and Place, Month and Year of submission. (Refer Annexure- I)

2. **Declaration by the Student:** Refer Annexure- II

3. **Certificate by the Guide:** Refer Annexure-III

4. **Acknowledgements:** Refer Annexure-IV The candidate may thank all those who helped in the preparation of project.

5. **Abstract (or summary):** of the report should, in one to two pages that include: the Purpose of the study; the methodology used; and a summary of the major findings, conclusions and recommendations.

6. **Table of Contents:** Refer Annexure-V

7. **Main Body of the Project:** This is core aspect of your project giving in detail your project work. The project may be divided into 3 to 4 Chapters with suitable Titles, *the first Chapter being Introduction and the last being Conclusion.*

8. **Numbering of Equations**

Equations appearing in each Chapter or Appendix should be numbered serially, the numbering commencing a fresh for each Chapter or Appendix. Thus for example, an equation appearing in Chapter 2, if it happens to be the eighth equation in that Chapter should be numbered (2.8) thus:

$$C(s) G_1 G_2 = R(s) 1 + G_1 G_2 H \text{-----} \quad (2.8)$$

While referring to this equation in the body of the project report it should be referred to as Equation (2.8).

9. Tables and Figures

Each table and figure in the report should be neat and clearly visible. These should be self drawn and the reference should be given if copied. The table caption should be numbered as Table 1.1 on the top of the table.

The figure should be numbered as Figure 1.1 at the bottom of the figure.

In the text these should be referred as table 1.1 and figure 1.1. Each chapter should start afresh numbering tables and figures also.

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

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

11. List of References: The listing of references should be typed 2 spaces below the heading “REFERENCES” in single spacing left-justified. Should be numbered consecutively (in square [] brackets, throughout the text and should be collected together in the reference list at the end of your report. The references should be numbered in the order they are used in the text. The name of the author/authors should be immediately followed by the year and other details. A typical illustrative list given below relates to the citation example quoted above.

[1] Ning, X., and Lovell, M. R., (2002), —On the Sliding Friction Characteristics of Unidirectional Continuous FRP Composites,| ASME J. Tribol., 124(1), pp. 5-13.

- [2] Barnes, M., (2001), —Stresses in Solenoids,|| J. Appl. Phys., 48(5), pp. 2000–2008.
- [3] Jones, J., (2000), Contact Mechanics, Cambridge University Press, Cambridge, UK, Chap. 6.
- [4] Lee, Y., Korpela, S. A., and Horne, R. N., (1982), —Structure of Multi-Cellular Natural Convection in a Tall Vertical Annulus,|| Proc. 7th International Heat Transfer Conference, U. Grigul et al., eds., Hemisphere, Washington, DC, 2, pp. 221–226.
- [5] Watson, D. W., (1997), —Thermodynamic Analysis,|| ASME Paper No. 97-GT-288.
- [6] Tung, C. Y., (1982), —Evaporative Heat Transfer in the Contact Line of a Mixture,|| Ph.D. thesis, Rensselaer Polytechnic Institute, Troy, NY.
- [7] Smith, R., (2002), —Conformal Lubricated Contact of Cylindrical Surfaces Involved in a Non-Steady Motion,|| from web site <http://www.cas.phys.unm.edu/rsmith/homepage.html> accessed on 12/08/2007.

(FOR EE AND CSE)

Annexure I (A typical Specimen of Cover Page)

A Minor Project Report

<BOLD><Centralized>times new roman

on

TITLE OF PROJECT

<BOLD><Centralized> times new roman

***Submitted in partial fulfillment of the requirement
for
the award of the degree
of***

B.Tech in

from

<bookman old style ><Centralized>



IKG Punjab Technical University, JALANDHAR

< times new roman><Centralized>

***Submitted by:
NAME (5240.....)***

.....

***Guided by:
Prof:abc***

....



Department of

SRI SUKHMANI INSTITUTE ENGINEERING & TECHNOLOGY

DERA BASSI, 140057

Month Year

<BOLD><Centralized>arial

(FOR ECE AND ME)

Annexure I (A typical Specimen of title Page)

A Preliminary Project Report

<BOLD><Centralized>times new roman

on

TITLE OF PROJECT

<BOLD><Centralized> times new roman

***Submitted in partial fulfillment of the requirement
for
the award of the degree
of***

B.Tech in

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<bookman old style ><Centralized>



IKG Punjab Technical University, JALANDHAR

< times new roman><Centralized>

***Submitted by:
NAME (5240....)***

.....

***Guided by:
Prof:abc***

....



**Department of Electronics & Communication Engineering
SRI SUKHMANI INSTITUTE ENGINEERING & TECHNOLOGY
DERA BASSI, 140057
Month Year**

<BOLD><Centralized>arial

Annexure-II

DECLARATION

><BOLD><Centralized><times BOLD>

Name of the Department

><BOLD><Centralized><Arial>

I (Name of the Student), a student of Bachelor of Engineering in (Name of Department) in Sri Sukhmani Institute of Engineering & Technology, DeraBassi, Punjab declare that the work done under the project entitled “.....” is the outcome of my own work, is bonafide and correct to the best of my knowledge. I further declare that in case of any violation of intellectual property right or copy right, I as the candidate will be fully responsible for the same. My Head, Supervisor and the Institute should not be held for full or partial violation of copy right if found at any stage of my degree.

Signature of the Student:

Abc(Roll No.....)

Place:

Bbc(Roll No.....)

Date:

The B.Tech. Minor/ Preliminary Project Viva-Voce examination of _____ (Name of the student) 6th sem, (Name of Deptt.), has been held on_____.

Sign. of Supervisor(s)

Sign. of External Examiner

><Times New Roman><1.5 line Spacing>

Annexure-III

CERTIFICATE

><BOLD><Centralized>

Name of the Department

><BOLD><Centralized><Arial>

This is to certify that the project entitled

“

_____” is the bonafide work carried out by

_____student of B.Tech, IKG Punjab Technical University,

Jalandhar, during the year_____, in partial fulfillment of the requirements

for the award of the Degree of Bachelor of (Name of Deptt.) and

that the project has not been formed the basis for the award previously of any

degree, diploma, associate ship, fellowship or any other similar title.

Signature of the Student:

Abc(5240...)

Bbc(5240...

Signature of the Guide:

Prof: xyz

Prof.aaa

Signature of the H.O.D.

Date:

Place:

 <Times New Roman><1.5 line Spacing>

Annexure IV

ACKNOWLEDGEMENT
<Bold><Times New Roman><Centralized>
(Wordings can be changed)

I would like to place on record my deep sense of gratitude to Prof. -----, Dept. of
....., SSIET, Dera Bassi, India for his generous guidance, help and
useful suggestions.

I express my sincere gratitude to Prof. -----, Dept. of, SSIET,
Dera Bassi, India, for his stimulating guidance, continuous encouragement and supervision
throughout the course of present work.

I am extremely thankful to Prof. _____ (.....), SSIET, Dera Bassi, for providing
me infrastructural facilities to work in, without which this work would not have been
possible.

<Times New Roman>font Size 12><justified>

Name of the Student

Roll No.

ABSTRACT (Minor/Preliminary Project)

<< The abstract should be written covering the heads as given below along with the name of students and the signature of the supervisor>>

<Times New Roman>font Size 12><justified>

Title:

Introduction:

Objective:

Method:

Result:

Conclusion:

Keywords:

Students:

1. <Name of Student (Roll No.), department , semester>
2. <Name of Student (Roll No.), department , semester >
3. <Name of Student (Roll No.), department , semester >

Signature of Supervisor/Guide

Name:

Designation:

Annexure V

(A typical specimen of table of contents)

Table of contents
><BOLD><Centralized>

| CHAPTER NO. | TITLE | PAGE NO. |
|------------------|---|--------------|
| | Title Page | i |
| | Declaration of the Student | ii |
| | Certificate | iii |
| | Acknowledgement | iv |
| | Abstract | v |
| | Table of Contents | vi |
| | List of Figures | vii |
| | List of tables | viii |
| | List of Symbols, Abbreviations | ix |
| Chapter 1 | INTRODUCTION | 1-5 |
| | 1.1 Project Overview | 1 |
| | 1.2 Problem Description | 3 |
| | 1.3 Basic Concepts | 4 |
| Chapter 2 | LITERATURE SURVEY | 21-25 |
| | 2.1 Literature Survey (At least 3 papers) | 21-23 |
| | 2.2 Proposed System | 24-25 |
| Chapter 3 | SYSTEM DESIGN AND WORKING | 26-50 |
| | 3.1 Working | 26 |
| | 3.2 Components Used | 30 |
| | 3.2 Software Description | 32 |
| Chapter 4 | SOFTWARE CODES | 50-60 |
| Chapter 5 | CONCLUSION | 61-63 |
| Chapter 6 | APPLICATION & FUTURE WORK | 64-65 |
| | REFERENCES | 66-68 |
| | DATA SHEETS | 69-75 |
| | PUBLICATIONS | 76 |

Note: Guides/ Supervisors can change the titles of the chapters according to the project work. The sequence of the preliminary pages and the following chapters should be maintained as mentioned.