

# Department of Electronics & Telecommunication/ Instrumentation Engineering

## Guidelines for B.E IV year students doing project work

**Following instructions are to be strictly followed while preparing project thesis, failing which the thesis is likely to be rejected.**

### **Do's: -**

- **Number of copies of thesis = Number of students in the group + 2**

Don't forget to take the sign of External Examiner, Project Guide, sign or seal of Director in all copies. Project Guide signs at two places in every thesis.

- **The library copy has to be submitted to Mrs Jessie Mathew in LAB D-108 after the completion of external viva till date 10 May in between 11 a.m. to 2 p.m. .**

**Students not submitted library copy, will face problem in 'NODUES'.**

### **1. [FONT TYPE: Times New Roman]**

**Main heading size=14,**

**sub heading size=13,**

**All text size=12**

**Alignment should be justified for text.**

**Line Spacing - 1.5 between running text.**

**2 between two paragraphs.**

**2 between title and text.**

**In all pages, take left margin wider than the right margin otherwise there will be problem during binding.**

- 2. Source code to be submitted separately, in form of spiral Binding (make only one copy for project guide only).**

- 3. Page number should be there on bottom of each page, centrally aligned.**

**The first page of the chapter should include Chapter number and Chapter Name centrally aligned.**

**Each Chapter should start with new page.**

**Utilize the full page space with text or figures i.e. don't leave half or more than half page empty in a chapter.**

- 4. The User manual section should be included in the appendix.**

**5. All figures and tables should be named and numbered.**

Tables and figures should be numbered and captioned. Each table or figure should be numbered using a two-level scheme, (chapter no).(table no) or (chapter no).(figure no). This number (e.g. Table 4.8, or Fig. 3.7) should be used whenever the table/ figure are referred in the text.

Each table/ figure should have a title an identical entry should exist in List of Tables or List of Figures respectively. Title of a table is given at the top of the table following its number. Title of a figure is given at the bottom of the figure following its number. Figures and tables should appear as close as possible to their first occurrence/mention in the running text of the chapter these belong to; these must appear after the first mention and not before. Photocopied tables should not be included. Photocopied figures should be avoided as far as possible and if included they should be large enough and clear. If taken from any reference, the reference should be cited within the text as well as at the caption of the figure or table.

**6. Spacing should be uniform between paragraphs throughout the thesis. Paragraphs should be justified. Utilize each page fully.**

**7. Index should be prepared with appropriate numbering.**

**8. One copy of CD should be prepared for guide :- ( Take more then one CD if the material does not come in one CD).**

The CD should contain the following:-

- a) The soft copy of project report.
- b) The software needed to run the project.
- c) The project source code.

Write the Names of group members, Roll Numbers, Project Title, Name of the guide on the CD.

**9. For all diagrams standard conventions should be used.**

For conventions Rational Rose Modules may be referred

**10. Name of the guide and designation can be seen from their cabin name plate**

Write it correctly in your thesis.

**Don'ts:-**

- 1) Don't include source code with the project report.
- 2) University logo is not allowed on project report.
- 3) Don't assign a chapter no. to bibliography and appendix.
- 4) Don't write any abbreviations anywhere, write the full form.
- 5) No page border and shading on any page of thesis.
- 6) Don't put section / subsection as last line of the page.
- 7) Don't finish any chapter in just two pages.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

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## **Sequence of Contents in Report binding (TNR -10):**

The material should be placed and bound in following order:

Preliminaries Top Sheet of transparent plastic on the following pages

- i.** Title page
- ii.** Recommendation (Format is Attached)
- iii.** Dissertation Approval (Format is Attached)
- iv.** Certificate
- v.** Declaration by the Candidate (Format is Attached)
- vi.** Acknowledgment
- vii.** Abstract
- viii.** Table of Contents i.e index page
- ix.** List of Tables (1.1, 1.2, 1.3.., 2.1, 2.2, .. etc.) with table No, Title of table , Page No.
- x.** List of figures (1.1, 1.2, 1.3.., 2.1, 2.2, .. etc.) with figure No, Title of Figure, Page No

## **FORMAT OF COVER PAGE**

**[Times new roman, size=20 and text bold]** for the title of project

**Title of the project**

**(WRITE ONLY THE FIRST LETTER OF EACH WORD IN CAPITAL WHEN WRITING TITLE)**

**Times New Roman [size=14] for the below detail**

A Dissertation submitted  
for the partial fulfillment of the degree of  
**Bachelor of Engineering in**  
**<Name of the branch>**  
**(Session 2016-2017)**

**Times New Roman [size=14] for the below details**

**Guided By:**  
**<Name >**  
**<Designation >**  
**of Project Guide**

**Submitted By:**

**< Name of Students> < (Roll No)>**  
**(In alphabetical order)**

**[size = 16] for the remaining on this page**  
**Department of <Department name>**  
**Institute of Engineering & Technology**  
**Devi Ahilya Vishwavidyalaya, Indore (M.P.)**  
**([www.iet.dauniv.ac.in](http://www.iet.dauniv.ac.in))**  
**April 2017**

**[Instruction : All text in Times New Roman [size=14] and title in size=20 on this page also note the things that are not in bold on this page.]**

# Recommendation

The dissertation entitled “**NAME OF THE PROJECT (WRITE ONLY THE FIRST LETTER OF EACH WORD IN CAPITAL)**” submitted by (**NAME OF THE PROJECT MEMBERS SEPARATED BY COMMA** ) is a satisfactory account of the bonafide work done under my supervision is recommended towards the partial fulfillment for the award of **Bachelor of Engineering** in **Name of the Branch** degree by **Devi Ahilya Vishwavidyalaya, Indore.**

( Leave Space for sign)

**Date:**

<NAME OF PROJECT GUIDE>  
Project Guide

Endorsed By :

Head, Department of <Name of Department>

**[Instruction : All text in Times New Roman [size=14] and heading in size=20 on this page]**

# Dissertation Approval Sheet

The dissertation entitled “**NAME OF THE PROJECT(WRITE ONLY THE FIRST LETTER OF EACH WORD IN CAPITAL)**” submitted by <NAME OF STUDENTS> is approved as partial fulfillment for the award of **Bachelor of Engineering in <Name of the Branch >**degree by **Devi Ahilya Vishwavidyalaya, Indore.**

(Space for sign)

(Space for sign)

**Internal Examiner**

**External Examiner**

(Space for sign)

**Director  
Institute of Engineering & Technology  
Devi Ahilya Vishwavidyalaya,  
Indore (M.P.)**

**(Instruction :Utilize the space of each page fully throughout the thesis i.e don't leave more space in bottom or top or in between)**

**[Instruction : All text in Times New Roman [size=14] and heading in size=20 on this page]**

**If you have any certificate of your project from some company/shop/organization insert it on this page.**

**Omit this page if you don't have any certificate.**

**[Instruction : All text in Times New Roman [size=14] and heading in size=20 on this page]**

## **Candidate Declaration**

We hereby declare that the work which is being presented in this project entitled <Project Name > in partial fulfillment of degree of Bachelor of Engineering in< Name of the Branch> is an authentic record of our own work carried out under the supervision and guidance of <**Name of Project Guide** , **Name of the post of the project guide** in Department of **Name of the Department**>, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore

We are fully responsible for the matter embodied in this project in case of any discrepancy found in the project and the project has not been submitted for the award of any other degree.

**Date:**

**Place:**

<Signature of student 1 >

<Name of student1>

<Signature of student2>

<Name of student2>

<Signature of student 3 >

< Name of student3>

**(\*\*\*\*\*Utilize the space of each page fully i.e don't leave more space in bottom or top or in between\*\*\*\*\*)**



**[Instruction : All text in Times New Roman [size=14] and heading in size=20 on this page]**

## **ACKNOWLEDGMENT**

**In acknowledgment first thank the guide and any other persons who have guided you in your project then give thanks to Director then after to others(if any).**

**[Instruction : All text in Times New Roman [size=14] and heading in size=20 on this page]**

## **ABSTRACT**

Summarize the main points of the report on this page. Persons getting interested in the report after reading the title should be able to judge from the abstract whether the report is really interesting for them. So, briefly formulate the problem that has been investigated and how you went about your project, the solutions that your project would give, what you learned, and what you concluded. It is a well-developed paragraph and should be exact in wording. It must be understandable to a wide audience. The abstract should not occupy more than one page (about 250 words).

## Revised Format

Students are required to maintain the following sequence of contents in the respective order as indicated below:-

In first 6 pages roman numbering is to be followed and then onwards digital numbering from 1 must be done. The below will be the structure of your index page.

<b>TABLE OF CONTENTS</b>	<b>Page No</b>
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<b>Dissertation Approval Sheet</b>	<b>ii</b>
<b>Certificate (If any)</b>	<b>iii</b>
<b>Candidate Declaration</b>	<b>iv</b>
<b>Acknowledgements</b>	<b>v</b>
<b>Abstract</b>	<b>vi</b>
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1.2 Problem Definition	Page No
1.3 Proposed Solution	Page No
<b>Chapter 2 Literature Survey</b>	
2.1 Methodology	Page No
2.2 Technologies and Tools	Page No
2.3 Existing Solutions	Page No
<b>Chapter 3 Analysis</b>	
3.1 Block Diagram Description	
3.2 Software Requirements	Page No
3.2 Hardware Requirements	Page No
<b>Chapter 4 Design</b>	
4.1 Technology Selection	Page No
4.2 Circuit diagrams for different sections	
4.3 Program flow diagram with algorithm	
<b>Chapter 5 Implementation and Testing</b>	
5.1 Circuit layout	Page No
5.2 PCB layout	Page No
5.3 Test Cases and results	Page No
<b>Chapter 6 Conclusion</b>	Page No
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## **Chapter-1 Introduction**

- 1.1 Overview and issues involved 1
- 1.2 Problem definition 2
- 1.3 Proposed solution (It must also include flow diagram, functionalities of your project that would be developed, also justify that how your project will be better than existing solutions of the market.)

## **Chapter-2 Literature Survey**

- 2.1 Methodology will include the steps to be followed to achieve the objective of the project during the project development also include the Description of all Conceptual Requirements (Terms, Concepts, Algorithm if any) that any body will need for understanding your project.
- 2.2 Technologies and Tools used with a very short description and justification of using them.
- 2.3 Existing Solutions (Clearly describe all the solutions that are existing in the market in a detail manner, paragraph wise that cover your problem definition exactly or partially it may be study of websites that may be related to your project or any other studies. It should be as exhaustive as possible but related to your work.. Summarize the literature that you have read. Rather than literally copying the texts that you have read, you should present your own interpretation of the theory. The last part of this section must contain a brief mention of the gaps in the literature and a justification for undertaking your study/project. For example If you are preparing a website in this section give description of at least five related websites that you visited what functionalities were included in them, what were their advantages, their drawbacks.)

## **Chapter-3 Analysis**

- 3.1 Block diagram with working description
- 3.2 Hardware Requirements and details
- 3.3 Software Requirements and details

## **Chapter-4 Design**

- 4.1 Technology Selection (Clearly specifying the reasons behind choosing a particular technology/ components used in your project)
- 4.2 Circuit diagrams for different sections
- 4.3 Program flow diagram with algorithm

## **Chapter - 5 Implementation and Testing**

- 5.1 Circuit layout for different modules
- 5.2 PCB layout for different modules
- 5.2 Test Cases : It must include the short description of testing techniques used by you and major possible screen snapshots indicating user input and application output.
  - Each snapshot must include along with it the following things:-
  - (a) A short description about the snapshot.
  - (b) All possible test cases that were used to test the system i.e. for different inputs that you gave what the system output correct/ incorrect was.

## **Chapter – 6 Conclusion**

It should include your learning and achievements from the project, limitations of the project, future expansions.

## **REFERENCES(START IN NEW PAGE)**

(It is a list of books ,research papers and websites that you have referred to make your thesis. If you have taken material from any of the above in the thesis it is mandatory to write the name of the resource in the reference ).

### **Follow the below format:-**

First write name of all books then research papers(if any) then websites and number them all.

For books use this format:-

Authors, Book Name(Edition No), Publisher Name , Year of publication

For research papers use this format:-

Authors Name, Title of the paper, Journal or Conference Name, Vol No, Issue No , Month &Year

**Appendix** (ABBREVIATION LIST , User Manual, Glossary and other relevant material)