



# PARUL UNIVERSITY

## FACULTY OF ENGINEERING AND TECHNOLOGY

### 6<sup>th</sup> Semester CSE B.TECH PROJECT GUIDELINES

#### Rules for Literature Review

Each student of the group are compulsorily required to review 5 research papers (i.e. if there are 4 students in the group then  $4 \times 5 = 20$  different papers). They need to thoroughly study 5 papers each and need to present their work individually during Phase - 2 Evaluation. Follow CRITICAL EVALUATION OF JOURNAL PAPER mentioned below.

Over and above this student/(s) need to refer various reference books, more number of research papers, research reports, manuals, any type of published or unpublished work as a part of their literature review for the project and mandatorily cite the same in literature review and in references. While citing any work, student should not do direct copy and paste option but they need to paraphrase it. Their supervisor need to take care about this. For any case related to plagiarism student /(s) and supervisor both are responsible.

#### Plagiarism Checks

**Parul University follows Zero Tolerance Policy against Plagiarism.** Each student needs to do Plagiarism check through the open source Plagiarism check software's and generate report. Student Group need to attach the certificate at the end of each semester in the Project Report.

#### Roles and Responsibilities of the Student

Responsibility lies with the student to:

- Read the project guidelines carefully.

- Identify and agree on a title with a supervisor.
- Arrange to have regular meetings with their supervisor and attend these meetings.
- Complete and submit all reports to the supervisor by the due date.
- Write and compile a project report as per guidelines.

## Study Report writing Guidelines

The **final report** should contain 3 chapters including Abstract, Introduction, Literature review and Methodology of the selected project title. There is no limitation for the references to be added in the literature review. They can refer Textbook, website and more research papers, which they found relevant to their project topic.

- **Title Page**
- **Acknowledgement** Proper acknowledgement by the students.
- **Abstract** It is the condensed version of the project, which contains aim, methods used, important results obtained and major conclusions in a **paragraph form**. The write up should be self-contained and list of references need not be there. The abstract **should occupy maximum one page (250 to 300 words)**. The bottom line should contain **key words**.
- **Contents** The content shall follow the abstract and indicate the page numbers of the chapters, sections, sub-sections, appendixes and references. The number and titles of all the items must be clearly entered with page numbers against them.
- **Nomenclature:** Nomenclature will follow the contents. Its purpose will be to define all the symbols, abbreviations, Greek or Latin letters, superscripts etc.
- **CHAPTER 1 Introduction** Introduce the project problem; define the scope, aim and objectives of the project.
- **CHAPTER 2 Literature Review** Describe the literature/Theory relevant to a fields or topic of the project
- **CHAPTER 3 Project Flow and Methodology** Deals with the experimental investigation and methodology planning to do in the project work.
- **Work need to be complete in the future:** Give suggestions for Project work in next semester based on the literature review.
- **References**

## Final Report Format

- Prepare the Project Report as per following guidelines.
- **Paper:** White **A4** sheet, typed on only one side.
- **Margin:** Left 1.5", top 1", right 1" and bottom 1".
- **Chapter Title:** Arial Rounded MT Bold (Upper Case), size 16 ( e.g. **CHAPTER 1** )
- **Main Heading:** Calibri Bold, size 12 ( e.g. **1.1 Introduction** )
- **Sub Heading:** Calibri Bold, size 11 (e.g **1.1.1 Dynamic Source Routing Protocol** )
- **Body text:** Calibri, size 11, Justified
- The chapters will be designated by Arabic numerical, CHAPTER 1, CHAPTER 2 ... etc. The sections of a chapter will be numbered using decimal type notations, e.g., 1.2 refers to the second section of chapter 1.
- **Figure and Table captions:** Calibri, size 10, Centre aligned, Decimal type notations will be used for numbering the figures/photos, charts, tables and

- drawings in a chapter (e.g. Figure 1.2, Table 2.2 etc.)
- The pages carrying the declaration, acknowledgement, abstract, contents, nomenclature, list of tables, list of figures will be numbered by using one set of small roman numerical (i, ii, iii...).
- Page numbers at the bottom right hand side – **Page X of Y** format is recommended.
- Equations should also be numbered in decimal type notation within the brackets.
- Appendixes will be numbered with capital Roman numerical, e.g. Appendix I, Appendix II .....etc.
- Paragraph alignments:** Paragraphs – justified
- Line spacing:** 1.5 line spacing
- Additional Spacing**
- Paragraphs should have one empty space between them. A similar space should be inserted above and below headings to keep them clear of the main text.
- Margins:** Each typed sheet will bear the margin shown here. Left 1.5”, top 1.5”, right 1” and bottom 1”.
- Binding:** Before submission the report must be spiral bound using a black colour spiral spring. It must be submitted on or before due date finalized by the department.

## Harvard Referencing / Citation System

### How to Reference a Book

A reference to a book, thesis or dissertation has the following structure.

- Author's surname** followed by a comma.
- Author's initials** in capitals, with full stop after each and a comma after the final full stop.
- Year of publication** followed by full stop.
- Full title** of book in italics with capitalization of first word and proper nouns only - followed by full stop unless there is a sub-title. If there is a sub-title, this follows a colon at end of full title, with no capitalization except for proper nouns - follow by full stop.
- Edition number** followed by the abbreviation "ed." - followed by full stop. Only include this if not first edition.
- Place of publication:** Town or city, follow by colon.
- Publisher - company name followed by full stop.**

#### Example:

Russell, D.E. & Norvig, P., 2009. *Artificial Intelligence: a modern approach*, 3rd ed. Prentice- Hall.

### How to Reference a Journal Article

A reference to a journal article has the following structure:

- Author's surname** followed by a comma.
- Author's initials** in capitals, with full stop after each and a comma after the final full stop.
- Year of publication** followed by full stop.
- Full title of the article** - *not in italics* - with capitalization of first word and proper nouns only - followed by full stop unless there is a sub-title. If there is a sub-title, this follows a colon at end of full title, with no capitalization except for proper nouns - followed by full stop.

- **Full title of journal**, in italics, with capitalization of key words - followed by comma.
- **Volume number**
- **Issue/Part number** in brackets, followed by comma.
- **Page numbers** preceded by "pp." for a range of pages and "p." for a single page - followed by full stop.

**Example:**

Knuth, D.E. & Moore, R.W., 1975. An Analysis of Alpha-Beta Pruning, *Artificial Intelligence* 6(4), pp. 293-326.

**How to Reference a Conference Paper**

A reference to a conference paper has the following structure.

- **Author's surname** followed by a comma.
- **Author's initials** in capitals, with full stop after each and a comma after the final full stop.
- **Year of publication** followed by full stop.
- **Full title of conference paper** - *not in italics* - with capitalization of first word and proper nouns only - followed by full stop unless there is a sub-title. If there is a sub-title, this follows a colon at end of full title, with no capitalization except for proper nouns - followed by full stop.
- **Full title of conference**, in italics, with capitalization of key words - followed by comma.
- **Location** followed by a comma.
- **Date** followed by a comma.
- **Publisher (company name) followed by colon.**
- **Place of publication (town or city name) follow by full stop.**

**Example:**

Brin, S. & Page, L., 1998. The Anatomy of a Large-Scale Hypertextual Web Search Engine. In: *Seventh International conference on World-Wide Web (WWW 1998)*, April 14-18, 1998, Brisbane, Australia.

**How to Reference a Website**

A reference to a website has the following structure.

- **Authorship or Source** - followed by comma
- **Year** - followed by full stop.
- **Title** of web document or web page - in italics - followed by "[Online]"
- **Date of most recent update** - within round brackets.
- **Available at** - followed by the URL (underlined)
- **Date of most recent access** - in square brackets - followed by full-stop

**Example:**

Creaney, N., 2008. *Legal Issues for IT Professionals* [Online] (Updated 26 September 2008) Available at: <http://knol.google.com/k/n-/1hzaxtdr9c09g/7> [Accessed 30 January 2009].

**How to Reference a Corporate Publication**

Corporate publications frequently do not name the author. In these cases, the name of the organisation may replace the author's name. For example:

**Example:**

Anglia Ruskin University, 2007. *University Library: guide to Harvard style referencing*

[Online] (Updated September 2008), Available at:  
<http://libweb.anglia.ac.uk/referencing/harvard.htm> [Accessed 30 January 2009].

### **How to Reference an Unpublished Work**

If a work has been accepted for publication but not yet published, the reference is structured as follows:

**Example:**

Creaney, N., (in press) *Dummies Guide to Professional Ethics*. O'Really

If a work is circulated informally but not published - for example lecture notes - then the reference is structured as follows:

**Example:**

Creaney, N., 2009. *Lecture Notes on Professional Ethics*. [Leaflet]



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**COMPUTER SCIENCE AND ENGINEERING DEPARTMENT**

**SELF-DECLARATION (by Student/s & Supervisor) of each Project**  
**SUPERVISOR COPY / STUDENT COPY**

SELF-DECLARATION (by Student/students/Supervisor) of each Industry/In house Projects (Student copy has to be submit to departments with all details to be printed and sign. Supervisor copy to be kept with Project Supervisors).

I/We

**TABLE-1**

SR NO	NAME OF THE STUDENTS	ENROLLMENT NO. OF STUDENTS
1	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN
2	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN
3	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN
4	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN

The **students and Project Supervisor (Internal)** of \_\_\_\_\_ **Engineering** Branch, at **PIET/PIT, Limda, Waghodia- College Code -03/04** hereby certify and declare the following:

- 1) I/we have defined my/our project based on inputs at PIET/PIT/ ( \_\_\_\_\_ ) Industry / User and each of us will make significant efforts to make attempt to solve the challenges. I/we will attempt the project work at my college or at any location under the direct and consistent monitoring of \_\_\_\_\_ (Supervisor name / Industry / user). We will adopt all ethical practices to share credit amongst all the contributors based on their contributions during the project work.
- 2) I /we have not purchased the solutions developed by any 3<sup>rd</sup> party directly and the efforts are made by me/we under the guidance of supervisors.
- 3) The project work is not copied from any previously done projects directly. (Same project can be done in different ways but if it has been done in same manner before then it may not be accepted)
- 4) \_\_\_\_\_ (Name of industry/User) to the best of my knowledge is a genuine industry engaged in the professional service/social organizations.
- 5) We understand and accept that the above declaration if found to be untrue, it can result in punishment/cancellation of project definition to me/we including failure in the subject of project work.
- 6) I/We will be allowed to use the resources of Parul University like Software Laboratories, Workshop, Machines, Test rigs, Instruments, Computers etc. with prior permission of the Head of Department.

- 7) I/We will follow the Safety Rules while using resources at Workshop, Chemical Laboratory or any hazardous laboratories within PU campus/ Outside PU campus.
- 8) I/We will purchase the consumables of special requirements by my/our own for the machines/laboratories of Parul University. (i.e. Specific drill bits, grinder wheels, G.I Sheets, Channels, microcontrollers, chips etc.
- 9) I/We shall indemnify and keep indemnified the Institute against any liability, demand, claim, loss or lawsuit in respect of personal injuries to me and/or to anybody and/or property damage arising out of or caused by my negligent act or omission during the my usage.
- 10) I/We hereby declare that I/we the student/s have selected the Project Supervisor Prof. \_\_\_\_\_ of PIET / PIT \_\_\_\_\_ Engineering.
- 11) I, the Project Supervisor Prof. \_\_\_\_\_ have selected the above students in TABLE-1 and will approve only above students for the Project Title \_\_\_\_\_ in college level all activities.

Date: \_\_\_\_\_

Place: LIMDA\_

Here in sign\_\_(below) \_\_\_\_\_ Here in Witness \_\_\_\_\_ ( Sign of HOD)

SR NO	NAME OF THE STUDENTS AND SUPERVISOR	ENROLLMENT NO. OF STUDENTS	DEPARTMENT	PHONE NO.	SIGNATURE
1	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	
2	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	
3	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	
4	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	
5	TYPE/HAND WRITTEN	<b>SUPERVISOR</b>	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	



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## Student Evaluation Card (6<sup>th</sup> semester)

<b>Project Group Identification</b>	<b>PUME_</b> <small>TYPE/HAND WRITTEN</small>
<b>Project Title</b>	<small>TYPE/HAND WRITTEN</small>
<b>Type of Project</b>	<b>Industry/In house</b>
<b>Name of Project Supervisor</b>	<small>TYPE/HAND WRITTEN</small>

SR NO	NAME OF THE STUDENTS	ENROLLMENT NO. STUDENTS	DEPARTMENT
1	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN
2	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN
3	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN
4	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN	TYPE/HAND WRITTEN

Sr. No.	Comments given by Internal Review Panel	Modification done based on Comments (To be filled by Supervisor)
<b>Parti- culars</b>	<b>Internal Review Panel</b>	
	<b>Expert 1</b>	<b>Expert 2</b>
<b>Name:</b>		
<b>sign</b>		





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**PROGRESS AND MEETING CARD OF PROJECT**

<b>A.Y -2020-2021</b>	<b>BRANCH :</b> _____.	<b>SEMESTER :</b>	<b>6th</b>
<b>GROUP ID: PUME__</b>			
<b>TITLE OF THE PROJECT :</b>			
<b>NAME OF PROJECT SUPERVISOR (INTERNAL):</b>			
<b>NAME AND CONTACT NO. OF INDUSTRY MENTOR( IF ANY):</b>			
<b>INDUSTRY PARTICULARS( IF ANY):</b>			
<b>SR NO</b>	<b>ENROLLMENT NO</b>	<b>NAME OF THE STUDENT</b>	<b>MOBILE NO</b>

WEEK NO	Meeting Date	DETAILS OF WORKDONE	SIGNATURE OF STUDENT	SIGNATURE OF SUPERVISOR
WEEK 01				
WEEK 02				
WEEK 03				
WEEK 04				
WEEK 05				

<b>WEEK 06</b>				
<b>WEEK 07</b>				
<b>WEEK 08</b>				
<b>WEEK 09</b>				
<b>WEEK 10</b>				
<b>WEEK 11</b>				
<b>WEEK 12</b>				
<b>WEEK 13</b>				
<b>WEEK 14</b>				
<b>WEEK 15</b>				
<b>WEEK 16</b>				
<b>Comments from H.O.D: Satisfactory/ Unsatisfactory</b>		<b>Sign. of HOD</b>		



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**CRITICAL EVALUATION OF JOURNAL PAPER**

This activity is an individual activity. Each student has to refer FIVE research papers related to their project title and each paper is to be reviewed as per below. Student need to prepare word file for each paper evaluation and submit it.

**1. Student Details**

<b>Student Name:</b>	<Name of Student>		
<b>Enrollment No</b>	TYPE/HAND WRITTEN	<b>Branch:</b>	
<b>Title of Journal Paper</b>	TYPE/HAND WRITTEN		
<b>Authors</b>	TYPE/HAND WRITTEN		
<b>Journal / Conference:</b>	TYPE/HAND WRITTEN		
<b>Volume / Issue</b>	TYPE/HAND WRITTEN	<b>Pages:</b>	

**2. Dissection of Paper**

**Section 01: Abstract / Introduction** (Read the abstract and answer the following questions)

- 1 What is the objective of the Paper?
- 2 What are the main results mentioned in the abstract?
- 3 What rational is given by the authors, attributing importance to the research problem?
- 4 How many earlier works are cited by the authors, and what are the perceived drawbacks of these earlier works?

**Section 02: Methodology**

- 1 Describe the methodology is used by author(s) to address the research problem?
- 2 In what way the methodology used by the authors is relevant to the methodology you proposed to adopt?

**Section 03: Results and conclusions**

- 1 What are the variables used for the analysis
- 2 List the results obtained by the authors.
- 3 What are the conclusions drawn by the authors from the study.

**Write a critical analysis of the paper( about 200 words)**

[Critical Analysis shall contain introduction to the topic, aim, methodology, key findings and important conclusions]