

BEANT COLLEGE OF ENGINEERING AND TECHNOLOGY, GURDASPUR

GUIDELINES FOR B. TECH. PROJECT

These guidelines for successful completion of B.Tech. projects are to facilitate in effective and uniform regulation of projects being carried out by undergraduate students in 7th/8th semester. Concerned Department will designate one faculty member as the Project Coordinator / In charge for a session. Project Coordinator / In charge will get all the presentations conducted and keep all records.

Award of Projects:

Formation of Project Groups:

In order to ensure participation of each student, the project size should preferably be 2 and not more than 3 students. Formation of project groups should be done such that each group has representation of students with varying academic merit from best to average. In view of this following practice may be followed; Decide total number of feasible groups. Any left out student(s) should be randomly attached to any group.

2. Assigning Faculty Supervisors:

Faculty supervisors / Project Guides may be assigned to each project group either by the choice of student groups or by faculty expertise.

3. Project Monitoring:

The B. Tech. Project activity being spread over one semester i.e. 7th/8th semester needs regular monitoring. Following schedule may be followed to ensure continuous monitoring of the project progress.

In 7th/8th Semester First Presentation: First presentation related to identification of the work / project to be carried out must be completed within 15-20 days of project group formation. For this brief power point presentation of tentative topic, proposed work and methodology to be adopted for carrying out the project may be made in the department in the presence of faculty members involved. This presentation should specifically include a work plan/PERT Chart for the proposed work. The faculty members will approve the topics and give suggestions, if any in the interest of project proposals.

Second Presentation: Second presentation for reviewing the progress may be held after about one month from the date of First presentation. In the second presentation students should be asked to make power point presentation of the progress made till date which will be reviewed by the faculty members. Evaluation of progress of the project may be done as per the criteria mentioned in the format given below.

Format No. 1 : Project Progress Review Evaluation							
Group No.	Name of students	Project Title	Work Done 40 marks	Presentation 25 marks	Discussion 25 marks	Attendance 10 marks	Total 100 marks
Date :				Signature of Faculty			

Third Presentation :

Third presentation for reviewing the progress may be held after about one month from the date of Second presentation on the similar lines and evaluated accordingly.

Final Presentation at the end of 7th/8th Semester :

Final presentation of 7th/8th semester for evaluation of part of the project work completed in 7th/8th semester may be held as per convenience of the department. In this presentation students should be asked to make power point presentation of the work completed during the whole semester. The evaluation for this presentation should be made by the Project Evaluation Committee (PEC) comprising of Head of Department, Project Coordinator/In charge and one faculty member of Department. Evaluation of work completed in 7th/8th semester should be done as per the criteria mentioned in the format given below.

Format No. 2 : Evaluation Sheet for B Tech Project after 7 th Semester							
Group No.	Name of students	Project Title	Work Done 40 marks	Presentation 15 marks	Project Report 20 marks	Viva Voce 25 marks	Total 100 marks
Date :				Signature of Faculty			

Award of Sessional (TA):

Sessional marks of B. Tech. project may be awarded by giving weightage of 40% to continuous evaluation done during the respective semester and 60 % weightage to the evaluation by the Faculty Supervisor / Project Guide. The 40 % marks would be calculated on the basis of the performance in the continuous evaluation during the respective semester by taking average of all evaluations.

Guidelines for Project Report Preparation

FORMAT OF COVER PAGE (Hard Bound)

TITLE OF PROJECT REPORT (24pt)

BY

NAMES OF STUDENT(14pt)

(CLASS ROLL NO.)

UNIV ROLL NO.



DEPARTMENT OF
BEANT COLLEGE OF ENGINEERING AND TECHNOLOGY, GURDASPUR

Month, Year

FORMAT FOR INSIDE COVER PAGE

A PROJECT REPORT ON
TITLE OF PROJECT (24pt)

SUBMITTED IN PARTIAL FULFILLMENT FOR AWARD OF DEGREE OF (12pt)

BACHELOR OF TECHNOLOGY(14pt)

IN

.....(14pt)

BY

NAME OF STUDENTS(14pt)
(UNIV ROLL NO.)

UNDER THE GUIDANCE OF

NAME OF GUIDE



DEPARTMENT OF
BEANT COLLEGE OF ENGINEERING AND TECHNOLOGY, GURDASPUR

Text :

The text should be typed in **12 font size Times New Roman style in double spacing on one side of A4 size page (Executive Bond)** only. The **Captions for figures should be typed at the its bottom** for example 4th figure in Chapter 3 should be captioned as Fig. 3.4 Title of Figure. The captions for tables should be typed at its top for example 7th/8th table in Chapter 3 should be captioned as Table. 3.7 Title of Table.

Arrangement of Contents of Project Report

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

1. Cover Page & Title Page
2. Certificate
3. Abstract
4. Acknowledgement
5. Table of Contents
6. List of tables
7. List of Figures
8. List of Symbols, Abbreviations
9. Chapters I, II ,
10. Appendices
11. References

TABLE of CONTENTS			
CHAPTER NO.	TITLE	PAGE NO.	
	ABSTRACT	iii	
	LIST OF TABLES	xvi	
	LIST OF FIGURES	viii	
	LIST OF SYMBOLS, ABBREVIATIONS	xxviii	
1.	INTRODUCTION	1	
1.1	GENERAL	1	
1.2	General	5	
1.2.1	Beneficiation Ceramic Waste	12	
1.2.2	Test of Ceramic Waste Coarse Aggregate	19	
1.2.2.1	General	25	

Numbering of Chapters, Sections and Sub-sections:

The numbering of Chapters, division and sub-divisions should be done using Arabic numerals only

and further decimal notation should be used for numbering the divisions and subdivisions within a chapter. For examples sub-division 4 under division 3 belonging to chapter 2 should be numbered as 2.3.4.

Numbering of Equations:

Equations appearing in each Chapter should be numbered serially, the numbering commencing fresh for each Chapter or Appendix. For example, an equation appearing in Chapter 2, if it happens to be the eighth equation in that Chapter 2 should be numbered (2.8). While referring this equation in the body of the thesis it should be referred to as Equation (2.8).

List of References:

Any work of other researchers, if used either directly or indirectly, the origin of the material thus referred to at appropriate places in the report should be indicated. The citation may assume any of the standard form (preferably ASCE, ASCE, IEEE, or other international Journal Publishers such as Elsevier, Kluwer, Pergamon etc.). For more details the students may contact their respective guides.

For example: Rice, I.G., 1982, "The reheat Gas Turbine With Stream Blade Cooling-A Means of Increasing Reheat Pressure, Output, and Combined Cycle Efficiency." ASME Journal of Engineering for Power, Vol 104, pp. 9-22

Page Dimensions and Margin:

The dimensions of the final bound 2 copies report should be Standard A4 size (297mm x 210mm) paper may be used for preparing the copies. The Thesis (at the time of submission) should have the following page margins:

Top and Bottom edge : 25 mm (1 inches)

Left and right side : 32 mm (1.25 inches)

Page Numbering:

All pages numbers should be typed at the center of page bottom. The preliminary pages of the thesis (such as Title page, Acknowledgement, Table of Contents, List of tables and figures, Notations, Abbreviations etc.) should be numbered in lower case Roman numerals.

Size of Project Report:

The size of thesis should not exceed 150 Pages of typed matter reckoned from the First page of Chapter 1 to the last page of the Appendix.

Binding Specifications

Project Report submitted (2 copies) should be bound in **Sky Blue colour** (Matt finish) hard rexin binding. The side/face of thickness of thesis should have the surname of the students, and month of submission at top and bottom edge respectively.

Number of Copies to be submitted

Two copies (one for guide and one for departmental library) are to be submitted before _____ due date _____ to the Department.