

**Document Number: GCOERC/PGL/22****Date: 28.02.2020****Title: Policy Guideline for Final Year Project****1. Introduction:**

In fulfillment of the requirements for the award of a bachelor's degree of engineering under affiliating university. The final year students are required to complete the project work in seven and eight semesters of the program. As, project should complete in two semesters and it is expected that 40% project work should complete in SEM-I and remaining 60% in SEM-II of the final year. The evaluation of the project is based on the guidelines given by the affiliated university. After completion of the project work all project groups have to prepare a project report as per the guidelines given by the affiliating university.

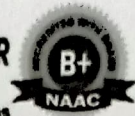
2. Objectives of Final Year Project:

1. To apply the knowledge & skills to solve engineering problems.
2. To create prototype/model/simulation by applying project based learning
3. To inculcate skills like teamwork, communication, cooperation, coordination, report writing etc. through project work.

3. Learning Outcomes:

Upon completing project, students are able to:

1. Develop idea using existing knowledge and skills and identify appropriate technique.
2. Plan & execute the project work.
3. Communicate the findings effectively through report writing, oral presentation and technical publication.
4. Interpret results from the analysis of data and formulate solutions to engineering problems with respect to the project topic.
5. Identify findings, conclusion and future scope with respect to project work.



4. Types of Project:

1. **Product Development:** students are required to use the knowledge of engineering for the solution of problems/development of models by considering the industrial, environmental, safety, social issues.
2. **Industrial Project:** Studies relevant to the needs of research and/or industrial problems that can be studied to improve existing processes or systems.
3. **Software / Database Development:** The development of computer literacy programming, software improvements for innovations, and the production of models, designs, systems, etc. according to engineering disciplines.
4. **Research/ Innovation:** Research on a specific topic in the field of engineering. Students are required to use theory, collect data and process them using appropriate analytical methods such as statistical analysis.
5. **Case Study:** Specialized engineering studies, in which students are required to identify and solve problems, analyse data and recommend solutions to problems in the form of a framework and/or an action plan.

5. Steps for Final Year Project Completion

1. Identify probable group leaders based on academic performance.
2. Notice regarding group formation along with group leader name is circulated.
3. Group leaders have to form their own group. (Group size 3-5)
4. Identify the project topic based on -
 - A) Students own idea
 - B) As suggested by faculty.
 - C) Industrial problem.
5. Discuss topics/ ideas with faculty member as per their specialization.
6. Presentation on identified topics in front of faculty members of the department.
7. Finalization of the topic and allocation of guide to respective group.
8. Submission of synopsis on selected topics in a given format. (Annexure - 22.1)
9. Evaluation: Two review presentations per semester. (Annexure - 22.2)
10. Report writing - Submission of rough draft & then final report.
11. Assessment at the end of semester as per the guideline of affiliating university.
12. The continuous monitoring is done by respective guides.



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NAAC ACCREDITATION FIRST CYCLE 'B+' WITH CGPA 2.72 IN APRIL 2019, DNV-GL CERTIFIED FOR ISO 9001:2015 STANDARDS



6. Change of Guide

Students are not encouraged to arbitrarily change guides. Head of Department may allow the change of guide on the request of existing guide/student.

7. Change of Project Topic

Students are also not encouraged to change their project topic once it is approved. In case the project group wants to change the topic then they have to take the permission from the concerned guide and approval from the Head of department.

8. Utilization of Laboratory

For use of laboratories, seek prior written permission from the concerned incharge. The written permission must be endorsed by the guide and approved by the lab incharge and HOD.

9. Submission of Hard-bound Final Report

The student must prepare the hard-bound copies of the Final Report at the end of the semester. All hard-bound copies of the final report must comply with the university's project writing guidelines and must be verified by the guide. The project group should submit two copies of the final project report to the department (for the Guide and the Library) and one copy for each individual.

Dr. Neelkanth G. Nikam

Principal

PRINCIPAL

**GURU GOBIND SINGH COLLEGE OF ENGINEERING
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Annexure 22.1

Department of “_____”

Academic Year:

Project Synopsis

Title:

Group No:

Category: Sponsored/ Non sponsored : (If Sponsored: Certificate by the Industry)

Name of Project Guide:

Name of Projectee:

Introduction:

Problem Statement:

Objective:

Methodology:

Expected Date of Completion of Project:

Guide Sign

Project Coordinator

HOD

Guru Gobind Singh College of Engineering and Research Centre, Nashik									
Project Report Sheet									
Department:	Name of Teacher:		Academic Year				Group No.		
Title									
Category:	Sponsored	Non-Sponsored	New Equipment		Actual Model	Prototype	Simulation	Other (Specify):	
Project Selected By:	Teacher	Students	Industry	Other	If Other Specify:				
Problem Statement:									
Objective of Project:									
Application:									
Project Covers Aspects of:	Environment:								
	Safety:								
	Product Development:								
	Research & Innovation:								
	Etics:								
Course Outcome:	Other:								
	Project Stage-I								
Guide	Project Stage-II								
	Course Outcome:								
Co-ordinator								HOD	

Project Evaluation Sheet Stage I

Guide		
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