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.

### 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

& RESEARCH CENTRE, NASHIK



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	e:
Name of Projectee:	
Introduction:	
Problem Statement:	
Objective:	
Methodology:	
Expected Date of Compl	letion of Project:

**Project Coordinator** 

Guide Sign

HOD

Department: Title  Category:			Project Report Sheet	14 6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
epartment			The state of the s	The state of the s			
10.	br	Name of Teacher		Academic Year	ic Year		Group No.
Category:							
	Category: Sponsored	Non-Sponsored	New Equipment	Actual Model	Prototype	Simulation	Other (Specify):
Project Selected By: Teacher	Teacher	Students	Industry	Other	If Other, Specify:		
Problem Statement:			***				
Objective of Project:	*						
Application:							
	Environment:						
	Safety:						
	Product Development:						
Project Covers Aspects of:	Research & Innovation:						
	Etics:						
	Other						
Project							
Stage-1							
Project Stage-							
III							
Course Outcome:							
Guide	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Co-ordinator				НОР

Perparament:         Name of Teacher         Prof.           Title of Project         Class & Wkd         WK2         WK3         WK3 <th>Project Evaluation Sheet Stage I  Wk3 Wk4 Wk5 Wk6 Wk  Need Scope &amp; Objective Feasibility &amp; Lin  5 5 5 5</th> <th>Academic Attendanc  Wk8  Tature review</th> <th>Vear: Wk9 Wk10 Wk11 Date: 5</th> <th>  Group No.   Wk13   Wk13   Q&amp;A   5   5  </th> <th>Total % of Att</th>	Project Evaluation Sheet Stage I  Wk3 Wk4 Wk5 Wk6 Wk  Need Scope & Objective Feasibility & Lin  5 5 5 5	Academic Attendanc  Wk8  Tature review	Vear: Wk9 Wk10 Wk11 Date: 5	Group No.   Wk13   Wk13   Q&A   5   5	Total % of Att
Name of Teacher.   Class & Wk1   Wk2   Wk3	ug la	nratur 2	Wk9 Wk10 Date: Prersentation 5		
Class & WK1 WE2 Date:  Date:  Role in idea Generation Same Sign Name Sign Remark: Design and Development Same Sign Sign Sign Sign Sign Sign Sign Sign	ug l	Wk6 Wk7 Wk8  Peasibility & Liturature review  5	Wk9 Wk10 Date:  Prersentation 5		[do ] [do ] [do ] [do ]
Date: Date:  Date:  Role in idea Generation Generation  Role in idea Generation  Anne Sign Remark: Design and Development S S S S S S S S S S S S S S S S S S S	49		Wk9 Wk10 Date: Prersentation 5		
Date:	9		Wk9 Wk10  Date:  Prersentation  5	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
tudents  I:  Can Remark:  Ludents  Name Sign Remark:  Design and Development ded:  Students  Students  Students  Solution Remark:  Students  Students			Prersentation 5		
ted:  tudents  Role in idea Generation Generation Sign Remark: 1: 2: C. C. Design and Development ded: Students  Students  Students				Q&A 5	Total 25
led:  Role in idea Generation Generation  Fudents  Sign Remark: 1: 2: C: Design and Development ded: Students  Students  Solution Students  Solution Solutio				Q&A 5	Total 25
tudents  Role in idea Generation Generation  Sign Remark: 1: 2: C. C. Design and Development ded: Students  Students  Students				9 S	Total 25
Sign Remark:  Name Sign Remark:  Design and Development  Development  Development  Development			Prersentation 5	Q&A 5	Total 25
Name Sign Remark:  Name Sign Remark:  Design and Development  Development  Development			rresentation 5	Q&A 5	Total 25
Name Sign Remark: Design and Development  5	S		5	16	25
Name Sign Remark:  Design and Development Development  d:  Chents 5				in	25
Name Sign Remark:  Criteria Design and Development Addents 5					
Name Sign Remark:  Criteria Design and Development ad:  Development 5  Development 5					
Name Sign Remark:  Calteria Design and Development dd:  Gents 5					
Criteria Design and Development di.					
Design and Development d:					
Design and Development led: 5				AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON	
Design and led: Led:  Ludents  Design and Development  Development  5					
Design and Let: Led: tudents  Design and Development 5		A PROPERTY OF THE PROPERTY OF			
Development and the solution of the solution o			Date:		
onts 5	Teamwork	Report Prepation	Prersentation	Q&A	Total
9					
	5	5	2	5	25
		40			
Name Sign Remark:					
Evaluator 2:					
Guide:	•				
	Summery				
Review		Attendance	Guide		Total
	Total	% Out of			Total
Mama of Shindants	10	100	10 5		
Name of Otherson				,	l e
				HOD	
	C0-0	Co-ordinator			

Donatesont					Project Evaluation Sheet Stage II	Project Ev	Project Evaluation Sheet Stage II	heet Stage	1	The state of the s						
Title of Project		Nam	Name of Teacher:						Academic Year	11			Grown No.			
	Class &			-	And the second lives in th		designation of the latest designation of the									-
Name of Student	Div	WRI	WR2	Wk3	Wk4	WK5	Wk6	W.P.7	Attendance							
	Date:								VVKO	WK9	Wk10	WkII	Wk12	WkI3	Fotal	% of Att
				Review-III						Date:		1				
Evaluation Criteria		Development of System		A G	Anlysis of System/ Desired Outcome	> 0		Teamwork-								
CO Attended:								Collegionation			Prersentation		OKA	V	To	Total
Name of Students		5			5			no.			45			1		
	Memory	Sign	Pomark.													
Fvaluator 1.		- Infile	Nemial K.												ed James Standard Standard Super Advanced Standards	-
Evaluator 2.												-	West and Personal State Company of Street, Str	And the second s	But the lang comment or comment from the language	-
Guide:														of high designation and commences to the control of	and the second second second second	Contract Constitution of the
			Re	Review-IV						Date:			min mentallicina de la companion de la compani	Section of the last of the las	Country of the Paris of the Par	The second secon
Evaluation Criteria	Re	Report Prepation (Rough Draft)		Project C Safety, Ro	Project Covers Aspects of Envi., Safety, Research & Innov, Prod. Devel. & Ethics	of Envi.,		Teamwork- Contribution			Prersentation		80	1	2	Potal
CO Attended:													-		ment between the transmit presents	-
Name of Students		S			2			2			3		100			Á
			-													
Evoluator 1.	Name	Sign	Kemark:													
Evaluator 2: Guide:	1 22 11															
		Design						Atten	Attendance							
		neview n	Tetal	Ponort Mr	Panart Writing Contribution & Skill	tion & Skill		38		Out of		Canide Grading	rading		2	Total
Name of Students	25	25 2	50	wepout in	25			100		10		-	15			100
													H	НОВ		
			-	-		-							111	20	-	Name and Address of the Owner, where