

Project Report

Criteria	PO	WP/EA	Grad Attributes/ Taxonomy Level	Below Expectation (0-1 marks)	Between Acceptable to Outstanding (2-3 marks)	Outstanding (4-5 marks)	weightage %
	PO9		CS1	Technical Writing, Abstract and Conclusion			
1	Technical writing skills & Formatting Style			Numerous spelling errors, non-existent or incorrect punctuation, severe errors in grammar that interfere with understanding. Excessively limited or inappropriate/repetitive vocabulary, Inappropriate style	Occasional lapses in spelling, punctuation, grammar, but not enough to seriously distract the reader; Generally appropriate vocabulary; not overly repetitive. Use correct word choice; some awareness of proper style for audience	Very few spelling errors, correct punctuation, grammatically correct, complete sentences. Highly appropriate, well chosen, precise and varied vocabulary. Consistently use correct word choice; Neat and appropriate formatting style	2
	Abstract			Several major aspects of the report are missing, student displays a lack of understanding about how to write an abstract	Most of the major aspects of the report are pointed, some minor details are missing	Abstract contains all major aspects of the report, well-written	2
	Conclusion			Weak conclusion (not directly related to objective)	Conclusion partially supported by results/findings	Well supported conclusion based on findings. Conclusions are related to objectives	1
Sub-total							5
	PO1	WP2	CTPS1	Complex Problem Identification, Analysis and Evaluation			
2	Identification of Problem			Unable to identify and explain the specific problem that is going to be solved in the project	somehow able to identify and explain the problem, but the construction of logic not well structured	Able to identify and explain the problem and describe it in a well structured logic	5
	Objective statement			Unclear objective	Somehow able to state the objective but the objective clearly reflecting the problem	Well-written / clear objective and reflect the problem	5
Sub-total							10
	PO2	WP3	CTPS3	Design Process, Selection and Evaluation			
3	Design process			No design process	The tool or approach was used in a reasonable manner with few mistakes;	The tool or approach was used appropriately, correctly effectively and completely	7
	Design selection and evaluation			No selection/evaluation was done or totally wrong process/method	The selection and evaluation was done appropriately, however some minor details are missing	The selection and evaluation was done effectively with consideration of all aspects	8
Sub-total							15
	PO3	WP7	CTPS5	Engineering Analysis, Result, Discussion and Recommendation			
4	Engineering analysis			Major incorrect calculation/ analysis	The tool or approach was used in a reasonable manner with few mistakes;	The tool or approach was used appropriately, correctly and effectively	7
	Discussion			Very incomplete or incorrect interpretation of trends and comparison of data indicating a lack of understanding of results	Some of the results have been correctly interpreted and discussed; partial but incomplete understanding of results still evident	All trends and data comparisons have been interpreted correctly and discussed, good understanding results are conveyed.	6
	Final design with engineering drawing			Not complete final design (working principle, material, bill of material, tolerance) and no engineering drawing or vice versa	Include both final design (working principle, material, bill of material, tolerance) and drawing but with few mistakes in the drawing	Detail final design description (working principle, material, bill of material, tolerance) with appropriate and correct engineering drawing	2
Sub-total							15
	PO12		GC6	Project Management and Costing			
5	Project Management and Costing			Not include costing and gantt chart for the project	Include costing and gantt chart but not convincing and feasible cost and	Appropriate and convincing costing and project planning/ management	5
	Sub-total						
Total							50

Presentation

Criteria		PO	WP/EA	Grad Attributes/ Taxonomy Level	Below Expectation (0-1)	Between Acceptable to Outstanding (2-3)	Outstanding (4-5)	Weightage %
1	Problem statement and Objectives	PO1	EA3	CTPS1	Unable to identify and explain the specific problem that is going to be solved in the project	Somehow able to identify and explain the problem, but the construction of logic not well structured	Able to identify and explain the problem and describe it in a well structured logic	5
2	Methodology (design process)	PO2		CTPS3	Not clear on the method	Good but unrealistic approach	Creative, clear and complete approach	5
3	Engineering analysis	PO3		CTPS5	Major incorrect calculation/ analysis	The tool or approach was used in a reasonable manner with few mistakes;	The tool or approach was used appropriately, correctly and effectively	10
4	Mastery of content	PO9		CS6	Give slow respond to the question given, and quite poor understanding	Moderate respond and understanding on the topic	Excellent respond and provide logical answer and show good understanding on the topic	10
	Visual aids			CS4	Poor quality visual aids (or none), hard to read, technically inaccurate, poorly constructed. Poor coordination with content. Used poorly. The presenter did not seem to know how to prepare or use visual aids effectively	Marginally acceptable, too complex, crowded, difficult to read or interpret. Adequate coordination with content. Used only adequately. Showed little understanding of how to prepare and use visual aids	Simple, clear, easy to interpret, easy to read. Well coordinated with content, well designed, used very effectively. Excellent example of how to prepare and use good visual aids	5
5	Cost and Project Planning	PO12	ES1	Not include costing and gantt chart for the project	Include costing and Gantt chart but not convincing and feasible cost and planning	Appropriate and convincing costing and project planning/ management	5	
Total								40

Peer Review

Criteria		PO	WP/EA	Grad Attributes/ Taxonomy Level	Below Expectation	Between Acceptable to Outstanding	Outstanding	Weightage
1	Communicate effectively	PO10		TS1	Do not communicate openly and respectfully.	May not consistently communicate openly and respectfully.	Always communicate openly and respectfully .	2
2	Working with others			TS2	Rarely listens to, shares with, and supports the efforts of others. Often is not a good team player.	Often listens to, shares with, and supports the efforts of others, but sometimes is not a good team member.	Almost always listens to, shares with, and supports the efforts of others. Tries to keep people working well together.	2
3	Attitude			TS3	Often is publicly critical of the project or the work of other members of the group. Often has a negative attitude about the task(s).	Occasionally is publicly critical of the project or the work of other members of the group. Usually has a positive attitude about the task(s).	Never is publicly critical of the project or the work of others. Always has a positive attitude about the task(s).	2
4	Planning and organizing			TS4	Little or no attempt to plan/do the assigned works.	Tend to plan the works, but in unorganized way.	Appropriate in planning the works to be done, in an organized way.	2
5	Responsible to team decision			TS5	Not passionate towards new ideas/knowledge, not willing to explore and contribute to a team.	Moderately passionate towards new ideas/knowledge, only willing to explore and contribute to a team.	Very passionate towards new ideas/knowledge, willing to explore and contribute to a team.	2
Total								10