

Department of Materials Engineering
MM-410 Materials Engineering Project
RUBRICS for FYP-Final Evaluation Examination

Name of student:	Roll No.	Group No.	Batch.
Name of supervisor:			
Title of the proposal:			

Section / PLO	Beginning 1 – 5	Developing 6 – 8	Accomplished 9 – 12	Exemplary 13– 16	Marks
Introduction PLO 1: Apply Engineering Knowledge	Limited use of knowledge and/or major misunderstanding on knowledge.	Fair use of relevant knowledge, but some misunderstanding on knowledge were spotted.	Good use of relevant knowledge but there is room for improvement.	Excellent use of relevant knowledge to solve given problem.	
Problem Statement PLO 2 : Problem Analysis	Problem wrongly interpreted and not analyzed.	Problem badly interpreted and analyzed.	Problem are fairly interpreted and analyzed but need improvement.	Problem excellently interpreted and analyzed.	
Hypothesis & Methodology PLO 3 : Design / Development Of Solution	No proper plan given, methodology is flawed.	Good plan but not properly translated into good methodology.	Good plan, translated into good methodology but couldn't be justified properly.	Good plan, translated into good methodology and justified properly.	
Abstract, Results And Discussion & Conclusion PLO 4 : Investigation – Characterization, Data Analysis, Discussion And Conclude.	Insufficient results, data not properly analyzed. No conclusion could be drawn.	Sufficient results generated but not analyzed properly. Proper conclusion not provided.	Sufficient results generated and analyzed, but not properly discussed. Conclusion is only on surface.	Sufficient results generated, data well analyzed, and subsequently discussed leading to valid conclusion.	

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Results And Discussion PLO 5 : Use Of Tools (Psychomotor)	Showed no competency in analyzing results and no relation to problem solving.	Showed minimal competency in analyzing results and only partially relate to problem solving.	Showed fair competency in analyzing results but somehow not completely relate to problem solving.	Showed good competency in analyzing results and relate to problem solving.	
PLO 6: The Engineer and Society	Poorly thought about society and not shown good engineering approaches	minimal thought about society and little bit shown good engineering approaches	Fairly thought about society and shown good engineering approaches	Very good, thought about society and shown very good engineering approaches applied	
PLO7: Environmental and Sustainability	Poorly, environmentally friendly and sustainability approaches were used	Less, environmentally friendly and sustainability approaches were used	Fairly, environmentally friendly and sustainability approaches were used	Environmentally friendly and sustainability approaches were used with competency	
PLO8: Ethics (<i>Commit to professional work in view of ethic and norms of engineering practice.</i> <u>(Including Turnitin report)</u>)	Poor work ethic – late submission, major content copied from resources. (Turn-it- in report >30%)	Fair work ethic – submit on time but significant portion of the content copied from resources. (Turn-it- in report >30%)	Good work ethic – submit on time, minor copying (the rest is an authors’ discussion) (Turn-it- in report < 30%)	Excellent work ethic – submit earlier than dateline, novelty of work is evident. (Turn-it- in report <20%)	
PLO 9 : Teamwork And Leadership	Showed poor teamwork (no task delegation, understanding dictated by only one member)	Showed fair teamwork (chaotic task delegation, understanding limited to half of team members)	Showed good teamwork (fair task delegation, almost uniform understanding)	Showed excellent teamwork (task delegation, uniform understanding)	
Format PLO 10 : Communication – Written Report & Presentation of FYP	Poorly written with major mistakes in presenting information and format.	Fairly written but with a lot of mistakes in presenting information and format.	Sufficiently good with almost clear presentation of information but with minor mistake in format.	Excellently written with clear presentation of information and proper format.	

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PLO 11: Project Management <i>Ability to manage the project and manage resources.</i>	Poor planning, chaotic management of time and resources.	Fair planning, fair quality of time and resource management.	Good planning, sufficiently good time and resource management.	Excellent planning, great time and resource management.	
PLO12: Lifelong Learning <i>Independent and autonomous learning</i>	Poor independency, lack of initiative and requires major supervision.	Partly independent, mild initiative to learn and requires a good amount of supervision.	Sufficiently show independency, good initiative but still requires fair amount of supervision.	Highly independent, excellent initiative to learn with minimal supervision.	

S.No.	Components	Marks (08)	Marks (0)
01	Hard and soft copies of report as required	Yes (02)	No (0)
02	Excellent printing / presentation of report and results	Yes (02)	No (0)
03	Dress code and over all Attitude	Yes (02)	No (0)
04	Attendance in FYP more than 90%	Yes (02)	No (0)

Total Marks: -----

Name & Signature of External / Internal Supervisor: -----

Name & Signature of FYP Coordinator: -----

Date: -----