

**Department of Materials Engineering**  
**MM-410 Materials Engineering Project**  
**RUBRICs for FYP-Final Evaluation Examination**  
**RUBRICs for FYP-PROPOSAL**

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

PLO	Assessment Component	Beginning 1 – 2	Developing 3 – 5	Competent 6 – 7	Exemplary 8 – 10	Marks
<b>PLO 1: Engineering Knowledge</b>	<i>Project objective formulation, methodology to be followed, background</i>	Many major objectives are not identified. Information is collected but without any analysis. Only one solution is considered or other solutions were ignored or incompletely analyzed. Many constraints and criteria were ignored.	Most major objectives are identified but one or two minor ones are missing or priorities are not established. Most constraints are identified; some are not adequately addressed or accurately analyzed. Decision and design recommendation is reasonable.	All major objectives are identified. Sufficient information is obtained. Appropriate analyses are selected. Decision and design recommendation are reasonable and mostly supported by the information.	The objectives are well defined and prioritized. All relevant information and constraints are obtained and accurately analyzed. Decision and design recommendation are well supported by the information.	
<b>PLO 2: Problem Analysis</b>	<i>Identify given problem. Explain / discuss previous research done / background study related to given problem. Analyse given problem/task and provide hypothesis.</i>	Problem poorly presented and wrongly interpreted. Literature review not complete. Problem not analysed properly, very vague hypothesis.	Problem fairly presented and badly interpreted. Literature review decently presented but not discussed properly. Problem partly analysed but incomplete hypothesis.	Problem clearly presented but not clearly interpreted. Literature review sufficiently presented but require further discussion. Problem sufficiently analysed and need improvement on hypothesis.	Problem excellently presented and interpreted. Literature review clearly presented and discussed appropriately. Problem excellently analysed and good hypothesis given.	
<b>PLO 3: Design / Development of Solution</b>	<i>Plan for solution of given problem (depending on problem, create plan for solution).</i>	No proper plan given.	Fair discussion on plan for solution.	Good discussion on plan for solution, but still require further explanation on the plan.	Excellent discussion on solution plan, clear explanation on how the given problem can be solved.	
<b>PLO 9: Communication</b>	<i>Prepare effective report and communicate information through the report.</i>	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 and presentation.	Excellently written with clear presentation of information and proper format.	