

**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO**  
**DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT**

Name of Supervisor: \_\_\_\_\_

Subject and Course Code: Thesis Project I (INM498)

Batch: \_\_\_\_\_ Semester: 7<sup>th</sup> Year: 4<sup>th</sup>

**RUBRICS FOR THESIS PROJECT I SESSIONAL ASSESSMENT**

Student Name: \_\_\_\_\_

Student Roll No. \_\_\_\_\_

S. No	Attribute	Marks breakup/description				Marks	Corresponding PLO Attainment
1	Frequency of Meeting with Supervisor	1	2	3	5		08
		Rarely punctual during scheduled meeting with supervisor. Less than 70% attendance.	Punctual on most of the time when scheduled meeting. 70%-75% attendance.	Punctual when meeting with supervisor. 75-90% attendance.	Always punctual when meeting with supervisor. More than 90% attendance.		
2	Commitment	1	2	3	5		11
		Always need guidance by supervisor.	Have genuine concern on work but still has to be guided by supervisor.	Present research progress with duplicate information during meeting.	Always present new research progress on very scheduled meeting.		
3	Quality of Work	1	2	3	5		3
		Doesn't understand the problem.	Understands the problem but not using the right approach.	Understands the problem but used less effective approach.	Easily understands problem and smart in utilizing the right approach to tackle the problem.		
4	Dedication and Motivation	1	2	3	5		11
		Discussion of research not neatly updated and purpose of activities not clear.	Discussion of research was not completely and clearly recorded during each meeting.	Discussion of research updated every meeting, but observation and information was not clearly recorded.	Discussion of research updated every meeting. Record observation and information obtained during research activities.		
5	Ability to Work Independently	1	2	3	5		9
		Always depend on supervisor for idea and has no initiative.	Have to depend on supervisor for idea, less initiative towards completing research work.	Have some idea, able to work independently but with continuous support and supervision, diligent and consistent towards completing research work.	Have lots of idea, able to work independently with minimal supervision, diligent and consistent in order to complete research work.		
Total Marks (out of 25)							

Signature Supervisor: \_\_\_\_\_

**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO**  
**DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT**

Name of Internal/External Examiner: \_\_\_\_\_

Subject and Course Code: Thesis Project I (INM498)

Batch: \_\_\_\_\_ Semester: 7<sup>th</sup> Year: 4<sup>th</sup>

**RUBRICS FOR THESIS PROJECT I ASSESSMENT**

Student Name: \_\_\_\_\_

Student Roll No. \_\_\_\_\_

S. No	Attribute	Marks breakup/description				Marks	Corresponding PLO Attainment
1	Literature Review and Objectives	1	2	3	5		12
		Objectives of the proposed complex engineering project are poorly identified and compared with literature.	Objectives of the proposed complex engineering project are fairly identified and compared with literature.	Objectives of the proposed complex engineering project are averagely identified and compared with literature.	Objectives of the proposed complex engineering project are very well identified and compared with literature in excellent way.		
2	Problem Statement	1	2	3	5		2
		Problem statement is stated but not entirely clear.	Problem statement is stated but lacks necessary justification with reference to the literature review.	Problem statement is stated and covers necessary justification with reference to the literature review.	Problem statement is stated and covers sufficient justification with reference to the literature review. New reader can understand its value and context.		
3	Research Methodology	1	2	3	5		3
		The approach that will be taken to solve the problem is not discussed.	The industrial engineering related methods, approaches, tools, techniques & other aspects of the solution are discussed but not in a convincing manner.	The industrial engineering related methods, approaches, tools, techniques & other aspects of the solution are sufficiently discussed.	The industrial engineering related methods, approaches, tools, techniques & other aspects of the solution are sufficiently discussed with details and supporting figures.		
4	Outcome Impact	1	2	3	5		6
		Outcomes do not have impact on society, environment, and economy.	Outcomes have slight impact on society, environment, and economy.	Outcomes have moderate impact on society, environment, and economy.	Outcomes have impact on society, environment, and economy		
5	Time Management	1	2	3	5		11
		Project is not properly planned.	Project is poorly planned.	Project is moderately properly planned.	Project is properly planned and explained with the help of Gantt chart.		
Total Marks out of 25							

Signature \_\_\_\_\_

**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO**  
**DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT**

Name of Supervisor: \_\_\_\_\_

Subject and Course Code: Thesis Project II (INM499)

Batch: \_\_\_\_\_ Semester: 8<sup>th</sup> Year: 4<sup>th</sup>

**RUBRICS FOR THESIS PROJECT II SESSIONAL ASSESSMENT**

Student Name: \_\_\_\_\_

Student Roll No. \_\_\_\_\_

S. No	Attribute	Marks breakup/description				Marks	Corresponding PLO Attainment
1	Frequency of Meeting with Supervisor	1	2	3	5		08
		Rarely punctual during scheduled meeting with supervisor. Less than 70% attendance.	Punctual on most of the time when scheduled meeting. 70%-75% attendance.	Punctual when meeting with supervisor. 75-90% attendance.	Always punctual when meeting with supervisor. More than 90% attendance.		
2	Commitment	1	2	3	5		11
		Always need guidance by supervisor.	Have genuine concern on work but still has to be guided by supervisor.	Present research progress with duplicate information during meeting.	Always present new research progress on very scheduled meeting.		
3	Quality of Work	1	2	3	5		3
		Doesn't understand the problem.	Understands the problem but not using the right approach.	Understands the problem but used less effective approach.	Easily understands problem and smart in utilizing the right approach to tackle the problem.		
4	Dedication and Motivation	1	2	3	5		11
		Discussion of research not neatly updated and purpose of activities not clear.	Discussion of research was not completely and clearly recorded during each meeting.	Discussion of research updated every meeting, but observation and information was not clearly recorded.	Discussion of research updated every meeting. Record observation and information obtained during research activities.		
5	Ability to Work Independently	1	2	3	5		9
		Always depend on supervisor for idea and has no initiative.	Have to depend on supervisor for idea, less initiative towards completing research work.	Have some idea, able to work independently but with continuous support and supervision, diligent and consistent towards completing research work.	Have lots of idea, able to work independently with minimal supervision, diligent and consistent in order to complete research work.		
Total Marks (out of 25)							

Signature Supervisor: \_\_\_\_\_

**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO**  
**DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT**

Name of Internal/External Examiner: \_\_\_\_\_

Subject and Course Code: Thesis Project II (INM499)

Batch: \_\_\_\_\_ Semester: 2<sup>nd</sup> Year: 4<sup>th</sup>

**RUBRICS FOR THESIS PROJECT II ASSESSMENT**

Student Name: \_\_\_\_\_

Student Roll No. \_\_\_\_\_

S. No	Attribute	Marks breakup/description				Marks	Corresponding PLO Attainment
1	Research Plan	1	2	3	5		11
		Research plan as defined in the project proposal is not followed. Milestones have not been achieved.	Research plan as defined in the project proposal is followed to some extent. Some of the milestones have been achieved.	Research plan as defined in the project proposal is followed for the most part. Some of the milestones have been achieved.	All milestones are completed according to the timeline defined in project proposal.		
2	Data Analysis	1	2	3	5		4
		Incomplete analysis of the project and unable to achieve the objectives for the project. Correct approach to solve the project is not followed.	Adequate data analysis of the project, but strategies to follow are not clearly stated. Correct approach to solve the project is not followed and reviewed from literature.	Complete analysis of the project, but strategies to follow are not clearly stated. Approach taken to solve the problem is satisfactory.	Complete analysis of the project has been done. Strategies to follow have been defined. Approach taken to solve the problem has been chosen after thorough literature review.		
3	Methodology, Results & Analysis	1	2	3	5		5
		Little effort was made in designing the methodology and in presenting clear and complete results, information, designs or solutions, as well as analysis or testing	Some effort was made in designing the methodology and in presenting clear and complete results, information, designs or solutions, as well as analysis or testing.	Good effort was made in designing the methodology and in presenting clear and complete results, information, designs or solutions, as well as analysis or testing.	There is a clear and appropriate methodological approach to the problem. Results, information, designs or solutions as well as analysis or testing are clear and complete.		
4	Plagiarism	1	2	3	5		8
		Missed many citations to reference material where required.	Poorly adopted research work ethics. Few citations are given.	Moderately adopted research work ethics. More than half of work is cited.	Adopted research work ethics. Properly cited the material.		
5	Presentation	1	2	3	5		10
		Information is arranged in confused and unstructured way. Key points are not covered. The contents are hard to understand and interpret. Student is not able to answer questions.	Information articulated clearly but it is difficult to follow the presentation. All key points are covered but no use of charts, graphs, figures etc., to explain salient points. Student is able to answer only the simplest questions	Information articulated clearly and the flow is reasonable All key points are covered but limited use of charts, graphs, figures etc., to explain salient points. Student answers at least half of the questions appropriately.	Information articulated clearly and is organized in a structured way. Enhances presentation and keeps interest by effective use of charts, graphs, figures etc., to explain salient points. Student is able to give appropriate, clear and to the point answers to all questions.		
Total Marks out of 25							

Signature: \_\_\_\_\_