

Department of Information Technology

CPIT 250 – Systems Analysis and Design

Overall Weightage 20%

Group Project Rubric

Group Number: _____

S #	Student IDs	Student Names
1		
2		
3		
4		

Distribution of Marks:

Marks as per articulation Matrix	Total out of 50 →	???
SO-1 (16 marks = 80% of 20)	M1 = Sum of total marks obtained in Criteria 1, 2, 3, 4, 5, 6, 7, 10	SO-1 Marks = $(M1/40) * 16$
SO-2 (4 marks = 20% of 20)	M2 = Sum of total marks obtained in Criteria 8 and 9	SO-2 Marks = $(M2/10) * 4$
Total Obtained out of 20		$(SO-1 + SO-2)/20$

S #	Evaluation Criteria	0 mark	1-2 marks	3-4 marks	5 marks	Comments/ Remarks
1	Problem Definition and Solution (SO-1)	No problem/solution described (less than 50 words), No diagram	Suitable Problem and solution (50-100 words) described, NO Diagram	Suitable Problem and solution (100-150 words) described, NO Diagram	Suitable Problem and solution (150-200 words) described WITH architecture Diagram	
2	Interview Or Survey Questionnaire (SO-1)	No Questionnaire exist	Questionnaire defined but no relevance to requirements determination	Questionnaire defined but partially relevant to requirements determination	Questionnaire defined but precisely relevant to requirements determination	
3	Activity Diagram (SO-1)	No activity diagram exists	Activity diagrams exist with partial activities and no swim lanes	Activity diagrams exist with precise set of activities but no swim lanes	Activity diagrams exist with precise set of activities and swim lanes also shown.	
4	Data Flow Diagrams (SO-1)	No DFDs	Context level shown, Level-0 shown, No level-1 and No level-2 DFD shown.	Context level shown, Level-0 shown, level-1 shown, No level-2 DFD shown.	Context level shown, Level-0 shown, level-1 shown, level-2 DFD shown.	
5	Use Case Diagram and Scenarios (SO-1)	No use cases, No relations, No success scenario, No extensions	Use cases defined, No relations, No success scenario, No extensions	Use cases defined, relations defined, No success scenario, No extensions	Use cases defined, relations defined, success scenario and extensions defined	

6	Class Diagram (SO-1)	No Classes, No attributes, No methods, No relationships	Classes defined, No attributes, No methods, No relationships	Classes defined with attributes and methods, No relationships	Classes defined with attributes and methods with relationships shown	
7	Sequence Diagram (SO-1)	No sequence Diagram is shown	SD exist, No proper classes/objects defined, No proper messages shown, No activation time/lifeline	SD exist, Proper classes/objects defined, No proper messages shown, No activation time/lifeline	SD exist, Proper classes/objects defined, and proper messages shown with activation time/lifeline	
8	State Diagram (SO-2)	No State diagram exist	States defined, No events, No change of states shown	States defined, Internal and external events defined, No change of states shown	All States defined, Internal and external events defined, Change of states are properly shown	
9	User Interfaces (UI) (SO-2)	No Interfaces exist	Partial user interfaces designed, No consistency, No system response related interfaces shown	All required UI designed, Consistency maintained, No system response related interfaces shown	All required UI designed, Consistency maintained and all system response related interfaces shown	
10	Conclusion, Future Directions and References (SO-1)	No conclusion No future directions No references	Proper conclusion made, No future directions, No references	Proper conclusion made, future directions shown, No references	Proper conclusion made, future directions shown, Proper references given.	
Total Marks (Out of 50)					???	

The following will be reviewed and then be made part of the rubric.

an example of an assessment rubric for evaluating the group project in your Systems Analysis and Design course. This rubric focuses on assessing problem-solving, collaboration, and project outcomes.

Group Project Evaluation Rubric

Criteria	Excellent (4)	Good (3)	Fair (2)	Needs Improvement (1)	Not Demonstrated (0)
Problem-Solving	Effectively identifies, analyzes, and addresses the problem using a comprehensive systems analysis approach. Demonstrates creative and innovative solutions.	Identifies and analyzes the problem systematically, and proposes solutions aligned with systems analysis principles.	Identifies the problem and proposes solutions with some depth, but lacks comprehensive analysis or innovative approaches.	Identifies the problem but lacks thorough analysis, offering solutions that may not fully align with systems analysis principles.	Does not identify the problem or propose solutions.
Collaboration & Teamwork	Demonstrates exceptional collaboration, actively contributes to the team's success, and effectively manages team dynamics.	Collaborates effectively, contributes positively to the team, and engages constructively in discussions and decision-making.	Generally collaborates, contributes, and communicates with the team, but may occasionally face challenges in managing dynamics.	Limited collaboration, contribution, or communication, leading to some issues in team dynamics.	Minimal to no collaboration, contribution, or communication with the team.

Criteria	Excellent (4)	Good (3)	Fair (2)	Needs Improvement (1)	Not Demonstrated (0)
Project Objectives & Deadlines	Consistently meets or exceeds project objectives and deadlines with exceptional attention to detail and adherence to timelines.	Generally meets project objectives and deadlines, demonstrating organization and timeliness.	Meets project objectives and deadlines but with occasional lapses in organization or timeliness.	Partially meets project objectives and deadlines, requiring improvement in organization and timeliness.	Fails to meet project objectives and deadlines consistently.
Quality of Deliverables	Produces exceptionally high-quality deliverables that are well-organized, comprehensive, and thoroughly detailed.	Provides well-structured deliverables with accurate and clear content, reflecting a good level of detail and quality.	Delivers acceptable but slightly disorganized content with minor inaccuracies or omissions.	Deliverables lack organization, clarity, and detail, impacting the overall quality.	Deliverables are incomplete or significantly lack quality and detail.
Presentation & Communication	Delivers a highly engaging, clear, and professional presentation with exemplary communication skills and confidence.	Presents effectively, demonstrating clear communication and confidence in addressing questions.	Presents adequately but with some challenges in maintaining engagement or clarity.	Presentation lacks engagement, clarity, or confidence, leading to difficulty in conveying ideas.	Unable to present coherently or engage effectively.

Criteria	Excellent (4)	Good (3)	Fair (2)	Needs Improvement (1)	Not Demonstrated (0)
Overall Project Impact & Contribution	Exemplary contribution significantly enhances the project's overall impact. Demonstrates exceptional insight and innovation.	Makes a strong contribution that positively influences the project's outcome and demonstrates insightful perspectives.	Contributes positively to the project's outcome, though impact could be enhanced with deeper insights.	Contributes minimally, resulting in limited impact on the project's outcome.	Does not contribute significantly to the project's outcome.

Comments:

- **Excellent (4):** Outstanding performance that consistently exceeds expectations.
- **Good (3):** Strong performance that meets or slightly exceeds expectations.
- **Fair (2):** Adequate performance that meets baseline expectations.
- **Needs Improvement (1):** Performance that requires improvement to meet expectations.
- **Not Demonstrated (0):** Criterion not met or not evident in the assessment.

This rubric provides a structured framework for evaluating various aspects of the group project, ensuring that both individual and team contributions are considered. Adjust the criteria and descriptions as needed to align with the specific objectives and expectations of your course and project.