

ICT502/ITS571 Mini Project Guidelines

For this mini project assignment, it **MUST** be completed in a group of 5 members. Your group may use ITS470 / CSC570 Project but for this course, the focus is on **DATABASE** part. As a consultant for the organization, your group will give suggestions and solutions of **WEB-BASED SYSTEM** for organization in terms of DBMS implementation. Refer the following format for the proposal, presentation and final report.

ITEM	MARKS	GROUP MEMBERS																		
Table of Content (2 Marks)		CLASS: MEMBERS:																		
Company Background (3 Marks)																				
2 Marks If the company background is presented																				
Problem Statement (10 Marks)																				
1-5 Marks If they did not state that the current system is Manual or File-based Approach. 6-10 Marks If they state that the current system is Manual or File-based Approach with some relevant sub problems because of the manual system.																				
Objective (10 Marks)																				
1-5 Marks If they state the system objective 6-10 Marks If they state that they want to design, develop and test as the objective.																				
ERD (20 Marks)																				
Rubric for ERD: <table><tr><td>Entity</td><td>4</td></tr><tr><td>Attributes</td><td>3</td></tr><tr><td>Relationship</td><td>3</td></tr><tr><td>Relationship Name</td><td>2</td></tr><tr><td>Cardinality/Modality</td><td>2</td></tr><tr><td>Inheritance</td><td>2</td></tr><tr><td>Recursive</td><td>2</td></tr><tr><td>Bridge</td><td>2</td></tr><tr><td>TOTAL</td><td>20 Marks</td></tr></table>	Entity	4	Attributes	3	Relationship	3	Relationship Name	2	Cardinality/Modality	2	Inheritance	2	Recursive	2	Bridge	2	TOTAL	20 Marks		
Entity	4																			
Attributes	3																			
Relationship	3																			
Relationship Name	2																			
Cardinality/Modality	2																			
Inheritance	2																			
Recursive	2																			
Bridge	2																			
TOTAL	20 Marks																			
3NF Relational Schema (5 Marks)																				
1-3 Marks if the entity and attributes are not fully presented 4-5 Marks if ALL the attributes and entities are presented.		TOTAL MARKS: 50																		

ICT502/ITS571 PROJECT PRESENTATION RUBRIC

ITEM	MARKS	GROUP MEMBERS
Presentation Flow (5 Marks) 1 Mark for Readiness to present 2 Marks if all members are doing the presentation 2 Marks for good command of English during presentation		CLASS: MEMBERS:
ERD Understanding (5 Marks) Marks will be given on how comprehensive they understand their ERD. 1-3 Marks will be given if they just explain the ERD by reading things inside diagram 4-5 Marks will be given if they can relate the ERD with the system while explaining.		
ADHOC Query (10 Marks) 1-5 Marks will be given if they've tried but failed 6-10 Marks will be given depends on simplicity on their SQL in solving complex query		
System Presentation (30 Marks) 1-10 Marks if the system only has few basic functions. 11-20 Marks if the system have a main function and other basic functions but it is not really working, no navigation 21-25 Marks if the main function and other basic functions working and navigation of the page are working. Main function must work comprehensively here. 26-30 Marks if the main function and other basic functions working with some extra features like graph, using PHP or JAVA etc. (APEX users will not get this range of marks)		TOTAL MARKS: <div>50</div>

ICT502/ITS571 ITS571 PROJECT REPORT RUBRIC

ITEM	MARKS	GROUP
Table of Content (1 Mark)		CLASS:
INTRODUCTION		MEMBERS:
Company Background (2 Marks) 2 Marks If the company background is presented		
CASE STUDY		
Problem Statement (5 Marks) 1-3 Marks If they did not state that the current system is Manual or File-based Approach. 4-5 Marks If they state that the current system is Manual or File-based Approach with some relevant sub problems because of the manual system.		
Objective (5 Marks) 1-3 Marks If they state the system objective 4-5 Marks If they state that they want to design, develop and test as the objective.		
SYSTEM DESIGN		
Flow Chart of System (10 Marks) 1-5 Marks if there is flow chart but it is not reflecting the whole system 6-10 Marks if the flowchart reflect the whole system		
10 SQL Queries (20 Marks) 2 Marks for each query if they use different kind of SQL. 1 Mark is for the repeated SQL For example: UPDATE EMP SET emplID = 100 WHERE name = 'Hamiz'; ← 2 Marks Update DEPT SET deptName = 'Finance' WHERE deptID = '10'; ← 1 Mark as the operation is almost the same as previous SQL.		

System Development Sample Screen (20 Marks)																									
Read	Insert	Update	Delete	Bridge	Recursive	Inheritance	Extra																		
2 marks	2 marks	2 marks	2 marks	3 marks	3 marks	3 marks	3 marks																		
Extra can be anything related to database function. For example, use sequence for primary key (get 1 mark).						Total:																			
Conclusion (5 Marks)																									
5 Marks will be given if they have stated what is the conclusion from the project that have been developed.																									
APPENDIX A: ERD																									
20 Marks																									
Rubric for ERD:																									
<table><tr><td>Entity</td><td>4</td></tr><tr><td>Attributes</td><td>3</td></tr><tr><td>Relationship</td><td>3</td></tr><tr><td>Relationship Name</td><td>2</td></tr><tr><td>Cardinality/Modality</td><td>2</td></tr><tr><td>Inheritance</td><td>2</td></tr><tr><td>Recursive</td><td>2</td></tr><tr><td>Bridge</td><td>2</td></tr><tr><td>TOTAL</td><td>20 Marks</td></tr></table>						Entity	4	Attributes	3	Relationship	3	Relationship Name	2	Cardinality/Modality	2	Inheritance	2	Recursive	2	Bridge	2	TOTAL	20 Marks		
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APPENDIX B: Data Dictionary																									
3 Marks will be given as long as it is being inserted in report																									
APPENDIX C: DDL																									
3 Marks will be given if all the DDL for ALL tables are presented.																									
APPENDIX D: DML																									
3 Marks will be given if all the DML for ALL tables are presented. At least 2 DML for each table.																									
APPENDIX F: CD/FLASH DRIVE						TOTAL MARKS																			
3 Marks will be given if they attached the CD/FLASH DRIVE at report during presentation.						<div></div>																			
						100																			

As a requirement, your group MUST use ORACLE for your database system.