Format of DSO34BT Proposal

	Task	Description	Mark Allocation
1.	**Name of the Project**	• Name the Project	
2.	**Domain Analysis**	• Explain the general field of business • Show understanding of terminology/glossary being used • Show the general knowledge and understanding of the business environment • Tasks and procedures currently performed • Customers and users • Competing software • Similarities to other domains	3
3.	**Define the Problem**	• Express the Difficulty you want to solve from the domain • Or Opportunity that will result in benefit or improved productivity or sales Narrow the scope by defining a more precise problem • Apply knowledge of **Integrated Result Based Management** (IRBM) to define the Inputs, Activities, Outputs, outcomes, and the Impact that the application will have on the community	4
4**.**	**Entity Relationship Diagram**	• Entity that has relation between each other. • Have cardinalities. • Know how to design database and data script.	3

4.	**Define the Scope**	• Answer the following questions:
		  • Assess: What is the current situation?
		  • Think: What caused it? Who is involved?
		  • Envision: What are we going to achieve?
		  • Plan: How are we going to do it? With whom? When? With what resources?
			10

5.	**Vision and Objectives**	Write the Vision and Objectives (according to **SMART** principles) of the project	4
6.	**Users of the System**	Indicate the users of the system and their roles	
7.	**Mandatory Functions**	• The system should be able to Add/Register, Delete/Remove and Update data in the database	6
8. 8.	**Functional Requirements** **(Each functionality counts 2 marks)**	• FURPS is an acronym representing a model for classifying software quality attributes (functional and non-functional requirements): • Write the aspect of what the proposed system must do, which contribute in solving the customer's problem and represents a negotiated agreement among stakeholders • What inputs and outputs should the system accept? • What computations should the system perform • The timing and synchronization of events	50

9.	**Non-functional requirements**	• FURPS is an acronym representing a model for classifying software quality attributes (functional and non-functional requirements): • **Functionality** - Capability (Size & Generality of Feature Set), Reusability (Compatibility, Interoperability, Portability), Security (Safety & Exploitability) • **Usability (UX)** - Human Factors, Aesthetics, Consistency, Documentation, Responsiveness • **Reliability** - Availability (Failure Frequency (Robustness/Durability/Resilience), Failure Extent & Time-Length (Recoverability/Survivability)), Predictability (Stability), Accuracy (Frequency/Severity of Error) • **Performance** - Speed, Efficiency, Resource Consumption (power, ram, cache, etc.), Throughput, Capacity, Scalability • **Supportability** (Serviceability, Maintainability, Sustainability, Repair Speed) - Testability, Flexibility (Modifiability, Configurability, Adaptability, Extensibility, Modularity), Installability, Localizability	4
10.	**Use Case**	• Describe sequence of actions that a user performs in order to complete a given task as a key activity in requirements using a diagram • This should cover full sequence of steps from beginning to until the end of the task • Describe the user's interaction with the system and **not** computations performed by the system • And **not** actions a user does manually	16
11.	**Tools and Technologies to be used**	a) Indicate the tools you intend to use for the project (e.g. Java, PHP, ASP, etc.)	

Total 100

Also check the study from page 19 to 22. What to add also for your proposal.