



PES UNIVERSITY

(Established under Karnataka Act No. 16 of 2013)
100 Feet Ring Road, BSK III Stage, Bengaluru-560 085
Department of Computer Science and Engineering
Session : Aug – Dec, 2021

SEMESTER – 5

Assignment – 1 (12 marks)

(Submission Timeline: 24/09/2021, Actual date will be confirmed by respective class teachers.)

S. No.	Task	Task Detail	Deliverable	Marks
1	Form team and identify Project title	Duplicates within a section needs to be resolved and scope of the problem fine tuned – discussion with class teacher and student team		
2	Problem statement	Write a detailed problem statement, indicating all the relevant constraints.		2
3	Conceptual model of the database design	ER diagram covering all the necessary constraints.	<ul style="list-style-type: none">ER diagram drawn with paper/pen. Show the incremental stages where refinements are applied to capture the details/constraints. (Diagrams should be readable and clear)Concepts and varieties covered in theory have to be applied to the example considered.	8
4	ER tool usage (MS Word or any text editor should not be used.)	ER diagram drawn with any tool of your choice. Samples – EDRAW, Lucid chart, dia	<ul style="list-style-type: none">Write about the tool you have chosen – in 4 to 5 sentences.Transfer your final ER diagram to soft copy using the tool.	2
Final document submission:				
5	Report/Writeup	<ul style="list-style-type: none">Problem statementAll the stages of ER diagram (hand-drawn) – snapshotsER tool used – brief write up about the tool. Indicating why you chose this tool, is it open-source etc.Reference links and installation steps for the tool – as applicable.Final ER diagram – soft copy.		

		<ul style="list-style-type: none"> ● Indicate contribution of each member clearly and approximate time spent in hours for the respective activity.
<p>Note: Database complexity could be measured in terms of number of entity sets/tables - approximately 8 to 10. Accordingly 8 to 10 records per table should be entered, so that suitable queries are designed with this data.</p>		