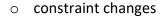# PES UNIVERSITY

(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 – 4 (15 marks) (With Demonstration and Viva)

(Submission Timeline: 11/11/2021 to 18/11/2021, Actual schedule will be confirmed by respective class teachers.)

S. No.	Task	Task Detail	Deliverable	Marks
1	Simple User interface design for front end		the language choice for the front end design should be justified. Demonstration of the interface should be done with **samples** from the earlier query set	**5**
2	Additional queries		- List change in constraints and schema - Apply the changes to the existing database schema **Atleast 5 statement examples for the above case.**	**5**
3	Database migration and support		- Due to performance issues or other requirements, if the current database should be migrated to an alternative one, then what are the steps to follow? (This can be applicable to alternative choices with in RDBMS flavour or could be from/to RDBMS and NoSQL.	**5**
Final document submission:				
5	Report/Writeup		- Write a paragraph suggesting the dependencies installed for the database connectivity(front end to back end) - Screenshots for the statements executed from the front end. - Screenshots for the schema change statements. - Write up about the changes in Business/Application changes/expansion - that might lead to - schema changes	

		o constraint changes
		o DBMS migration (from SQL based to No-SQL)
		● With the existing design of your database, if you have to migrate to any No-SQL variety, then which one will be your choice? Why? (Out of the 4 major varieties, you have to pick one and justify your choice. If you can give comparative features across different flavours, that would be great.) ● **Indicate contribution of each member clearly and approximate time spent in hours for the respective activity.**