

DBMS LAB ASSIGNMENT 1

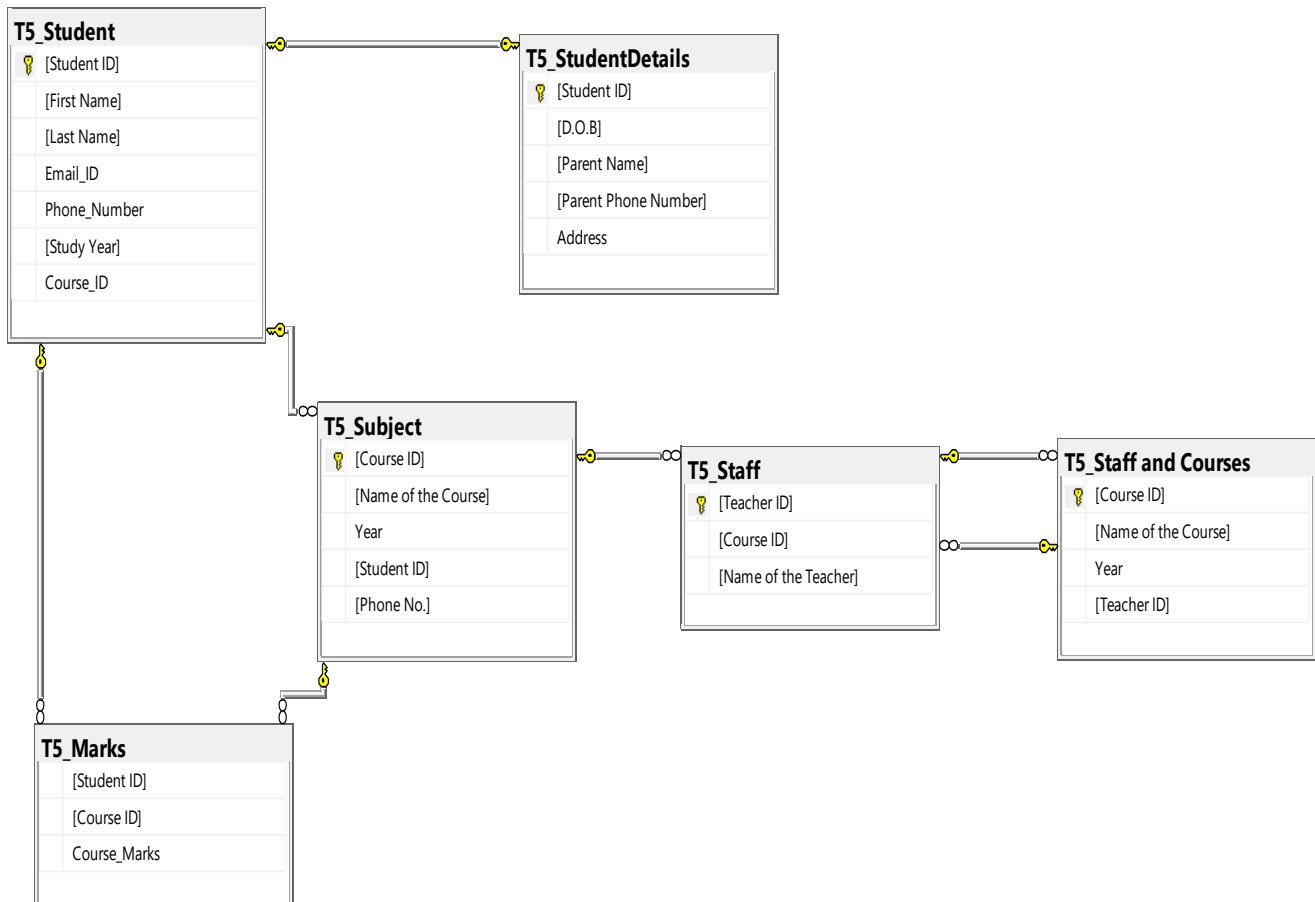
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Group No.:5

ER DIAGRAM OF SCHOOL DATABASE:



Weak entity: The entity which do not have any primary key, cannot be identified on their own and depend on some other entity is known as weak entity.

In the above ER Diagram, **T5_Marks** is Weak entity.

Strong entity: The strong entity has a primary key. Its existence is not dependent on any other entity.

In the above ER diagram, **T5_Marks** is weak entity, as there is no primary key in that entity. Hence, it depends on strong entities like **T5_Subject** and **T5_Student**.

Weak relationship: A weak, or non-identifying relationship exists if the primary key of the related entity does not contain a primary key component of the parent entity.

Here, the following relationships are weak relationships:

- T5_Subject, T5_Student
- T5_Marks, T5_Subject
- T5_Staff, T5_Subject
- T5_Staff and Courses, T5_Staff
- T5_Staff, T5_Staff and Courses
- T5_Marks, T5_Students

Strong relationship: A strong, or identifying relationship exists if the primary key of the related entity contains the primary key component of the parent entity.

Here, the following relationships are weak relationships:

- T5_Student, T5_Student Details