



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

DBMS PROJECT REPORT 2

PROJECT NAME - COLLEGE ERP

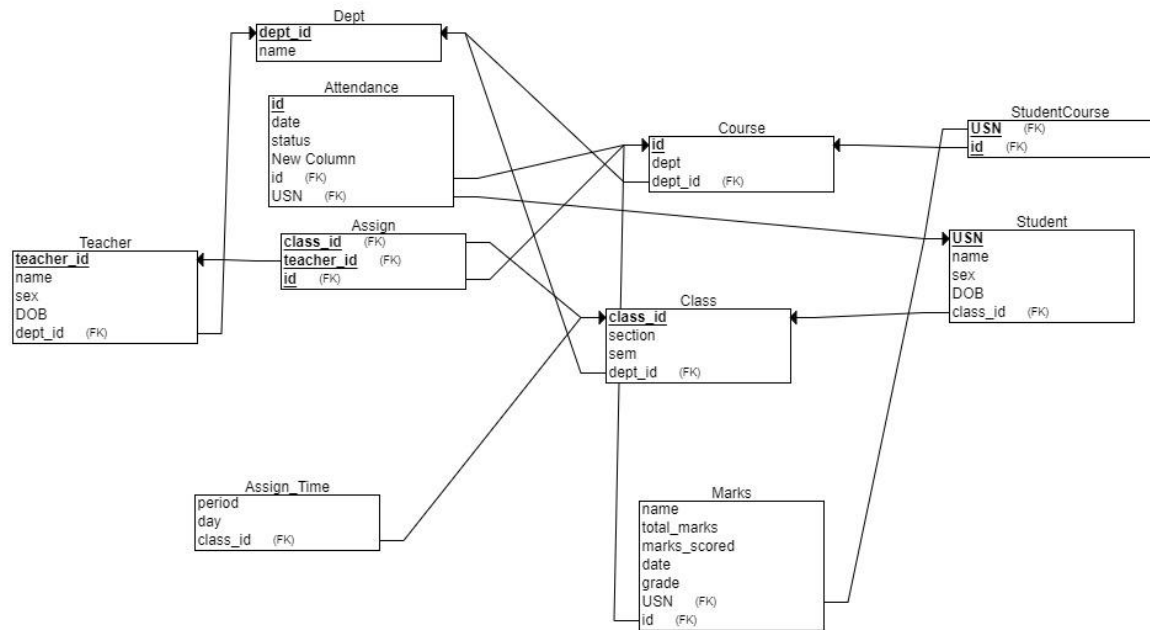
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List of reasons/constraints to justify the choice of DBMS.

We have chosen to use an SQL database because:

1. SQL databases are vertically scalable.
2. Since we already have a predetermined schema, we can easily use an SQL database.
3. NoSQL databases are document, key-value, graph, or wide-column stores instead of being table based.
4. SQL databases use structured query language.
5. SQL databases are better for multi-row transactions, while NoSQL is better for unstructured data like documents or JSON.
6. SQL databases provide great benefits for transactional data whose structure doesn't change frequently (or at all) and where data integrity is paramount. It's also best for fast analytical queries. This makes it suitable for our database as it doesn't change frequently.

Relational Schema:-



Contribution: -

Shatakshi Mohan	Wrote script file with create statements	4 HOURS
Siddhi Patil	Implemented database and wrote script files.	4 HOURS
Sonit Kumar Pradhan	Wrote script file with insert statements	4 HOURS