

## 2198. Data Bases

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- Data Base General Principles.
- Data Base Management Systems Architecture.
- Management Applications and Data Bases.
- Elicitation of user requirements.
- Introduction to relational Data Base structures.
- Conceptual modelling with Entity Relationship diagrams (ERDs).
- Transforming ERDs into relational structures.
- Normal Forms and database schema normalization.
- Basics of DDL and DML SQL.
- Implementing Data Bases queries and user interfaces in the laboratory using commercial Data-Base management Systems.
- Coursework – designing and coding a specific database application.

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