Dr. Akhilesh Das Gupta Institute of Technology & Management
Information Technology Department
Database Modelling and Design (CIE-316)
Assignment of unit 1 and 2

Unit-1
1. Explain the database systems architecture with a suitable diagram
2. Explain the components of database systems.
3. Illustrate the life cycle design of database with a suitable diagram.
4. Explain the data models in the database modeling system.
5. Explain the ER model and EER issues.
6. Explain the conceptual model.

Unit-2
1. Explain the Normalization with its types along with suitable examples
2. Write a short notes on
   a) Mapping Of Higher-Degree Relationships.
   b) Primary Key
   c) Candidate Key
   d) Super Key
   e) Foreign Key
   f) Mapping Of Aggregation
3. Explain the ER model and EER Model construction to logical schema.
4. Describe the Anomalies with help of suitable example.