

# Sri Bhagawan Mahaveer Jain First Grade College

Geetha Road, Robertsonpet, Kolar Gold Fields.

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## Database Management System

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### Course Objectives:

- To understand the different issues involved in the design and implementation of a database system.
- To study the physical and logical database designs, database modeling, relational, hierarchical, and network models
- To understand and use data manipulation language to query, update, and manage a database
- To develop an understanding of essential DBMS concepts such as: database security, integrity, concurrency, distributed database, and intelligent database, Client/Server, Data Warehousing.

### Course Outcomes:

- Differentiate database systems from file systems by enumerating the features provided by database systems.
- Able to understand various data models and differentiate changes happened from one to the other models.
- Use an SQL interface of a multi-user relational DBMS package to create, secure, populate, maintain, and query a database.
- Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database.
- Get more familiar with single user databases and distributed databases.
- Be able to get familiar with what is a Business Intelligence and various methods of developing business models using OLAP, ROLAP and MOLAP.
- Be familiar with the basic issues of transaction processing and concurrency control.