

**Course:** Database Management System

**Scheme :** 2010

**Course Code:**(10CS54)

**Sem :** 5

|                            | Course Outcome  | POs/<br>PSOs | CL | Class<br>Sessions<br>(approximate) | Tutorial<br>(Hrs) | Lab<br>Sessions<br>(Hrs) |
|----------------------------|---|--------------|----|------------------------------------|-------------------|--------------------------|
| CO1                        | Understand the Characteristics of Database approach, Data models and classification of database management systems. | PO1          | U  | 8                                  | NA                | NA                       |
| CO2                        | Draw ER diagrams for real time applications.  | PO1          | R  | 8                                  | NA                | NA                       |
| CO3                        | Explain Relational Model Concepts and Relational Algebra Operations.  | PO1          | U  | 9                                  | NA                | NA                       |
| CO4                        | Create a database using SQL commands and develop database applications.   | PO1<br>PO3   | C  | 10                                 | NA                | NA                       |
| CO5                        | Design and build simple database applications using normalization concepts.   | PO1<br>PO3   | C  | 9                                  | NA                | NA                       |
| CO6                        | Describe the use of concurrency in transaction management.  | PO1          | R  | 8                                  | NA                | NA                       |
| Total Hours of instruction |   |              |    | 52                                 |                   |                          |