



**MATURI VENKATA SUBBA RAO (M.V.S.R) ENGINEERING COLLEGE**  
(Nadargul, Hyderabad-501510)  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**COURSE OBJECTIVES AND OUTCOMES**

**COURSE: B.E-II/IV**

**SEMESTER: IV**

**Acad. Year : 2021-22**

**COURSE NAME: Database Management Systems**

**COURSE CODE: PC403CS**

**COURSE COORDINATOR: G.Srishailam**

**Course pre-requisites:**

- Data structures and Basic Programming in C.

**Course Objectives:**


- To Learn mathematical concepts as applied in computer
- To introduce three scheme architecture and DBMS functional components.
- To learn formal and commercial query languages of RDBMS
- To Study different file organization and indexing techniques
- To familiarize theory of serializability and implementation of concurrency control, and recovery

**Course Outcomes:**

Course code PC403CS	Statement Student will be able to
CO1	Understand the basic differences of File system and DBMS.
CO2	Model a set of requirements using the Extended Entity Relationship Model (EER), transform an EER model into a relational model and refine the relational model using theory of normalization.
CO3	Use the knowledge of file organization and indexing to improve database application performance and understand the working of concurrency control.
CO4	Understand the mathematical foundations in Relational Algebra and Relational Calculus.
CO5	Evaluate the queries in SQL using Aggregate functions and NOSQL.

  
Course Coordinator

  
PAC Chairman

  
Head of the Dept., CSE

HEAD  
Dept of Computer Science & Engineering  
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