



S R K R Engineering College (A), Bhimavaram
Department of Computer Science & Engineering

Database Management Systems

[Course code : B19CS2203]

Online Resources 2020-21 B.Tech. 2nd year 2nd sem. 2nd Part

Faculty Name	Unit	Sub unit	topics	PPTs
Dr. G Mahesh	3	2	SQL: JDBC, ODBC, Embedded SQL, Functions and Procedures, Triggers.	[Triggers and views] [Advanced sql korth]
Sri Ch Rami Naidu	4	1	Storage strategies: Basics of Indexing and B+ trees, RAID	[Storage Strategies] [Indexing] [B+ Trees] [RAID]
Sri Ch Rami Naidu	4	2	Query processing and optimization: Measures of Query Cost, Transformation of Relational Expressions.	[Query Processing and Optimization] [Measures of Query Cost] [Transformation of Relational Expression]
Dr. G Mahesh	4	3	Normalization: Introduction, Functional dependencies, Decomposition, First, Second, and third normal Forms, Boyce/Codd normal form. Multi-valued dependencies and Fourth normal form, Join dependencies and Fifth normal form.	[Uptobcnf] [4nf] [Normalization] [Decomposition] [5NF]
Smt. K Aruna Kumari	5	1	Transaction Management: The ACID Properties, Transactions & Schedules, Concurrent Execution of Transactions. Concurrency Control: Serializability and Recoverability, Two Phase Locking protocol, Dealing with Deadlocks and Timestamp Ordering Protocol.	[Transaction Mgt] [Concurrency Control] [Concurrency Control Protocols]
Smt. Kavitha	5	2	Crash Recovery: Shadow Paging, Log-based Recovery, The Log, The Write-Ahead Log Protocol, and ARIES.	[Crash Recovery]