

Details of e-contents prepared for online classes

Name of faculty	Name of subject	Topic name	Sub topic name	Types of e-content	Course name	Year of course	Link if uploaded anywhere
Manoj kr yadav	Database Management System ECS-402	<p>Relational data model and languages</p> <p>Introduction on SQL</p> <p>Data base design & normalization</p> <p>Transaction processing concept</p> <p>Distributed database</p> <p>Concurrency control techniques</p>	<p>Relational data model concepts, integrity constraints, entity integrity, referential integrity, Keys constraints, Domain constraints, relational algebra, relational calculus, tuple and domain calculus</p> <p>Characteristics of SQL, advantage of SQL. SQL data type and literals. Types of SQL commands. SQL operators and their procedure. Tables, views and indexes. Queries and sub queries. Aggregate functions. Insert, update and delete operations, Joins, Unions, Intersection, Minus, Cursors, Triggers, Procedures in SQL/PL SQL</p> <p>Functional dependencies, normal forms, first, second, third normal forms, BCNF, inclusion dependence, loss less join decompositions, normalization using FD, MVD, and JDs, alternative approaches to database design</p> <p>Transaction system, Testing of serializability, serializability of schedules, conflict & view serializable schedule, recoverability, Recovery from transaction failures, log based recovery, checkpoints, deadlock handling</p> <p>distributed data storage, concurrency control, directory system</p> <p>Concurrency control, Locking Techniques for concurrency control, Time stamping protocols for</p>	Pdf & others	B.tech 2 nd yr [IT]	2019-20	Shared by whatsapp & email

			concurrency control, validation based protocol, multiple granularity, Multi version schemes, Recovery with concurrent transaction, case study of Oracle				
Manoj kr yadav	Web Technology ECS-604	Web Page Designing Scripting Server Site Programming	HTML: list, table, images, frames, forms, CSS; XML: DTD, XML schemes, presenting and using XML Java script: Introduction, documents, forms, statements, functions, objects; Event and event handling; introduction to AJAX, VB Script, CGI Introduction to active server pages (ASP), ASP.NET, java server pages (JSP), JSP application design, tomcat server, JSP objects, declaring variables and methods, debugging, sharing data between JSP pages, Session, introduction to COM/DCOM.	Pdf & others	B.tech 3 rd yr [CSE]	2019-20	Shared by whatsapp & email

REFERENCE BOOKS:

- I Date C J, " An Introduction to Database Systems", Addison Wesley
- II Korth, Silbertz, Sudarshan," Database Concepts", McGraw Hill
- III Elmasri, Navathe, " Fudamentals of Database Systems", Addison Wesley
- IV O'Neil, Databases, Elsevier Pub.
- V Leon & Leon,"Database Management Systems", Vikas Publishing House
- VI Bipin C. Desai, " An Introduction to Database Systems", Gagotia Publications
- VII Majumdar & Bhattacharya, "Database Management System", TMH
- VIII Xavier, C, " Web Technology and Design" , New Age International
- IX Deitel, "Java for programmers", Pearson Education
- X Ivan Bayross," HTML, DHTML, Java Script, Perl & CGI", BPB Publication.
- XI Ramesh Bangia, "Internet and Web Design" , New Age International
- XII Jackson, "Web Technologies" Pearson Education
- XIII Patel and Barik, "Introduction to Web Technology & Internet", Acme Learning