JNTUH COLLEGE OF ENGINEERINGJAGTIAL
Nachupally, Kondagattu, Jagtial-505501

Department of Computer Science and Engineering

LIST OF COURSE OUTCOMES
2020-21 (II Sem)
B.Tech - II-Year II Sem

C211	C211-Discrete Mathematics
C211.1	Apply mathematical logic to solve given problems.
C211.2	Understand sets, relations, functions and Algebraic structures.
C211.3	Use logical notation to outline about fundamental mathematical concepts.
C211.4	Demonstrate in practical applications the use of basic counting principles of permutations, combinations, inclusion/exclusion principle and the pigeonhole methodology.
C211.5	Analyze and solve the recurrence relations.
C211.6	Model and solve the real-world problems using graphs and trees.

C211	C211-Business Economics & Financial Analysis
C211.1	Student will be able to understand various forms of business, sources of capital for a company and GDP of economy and phases of business cycle
C211.2	Student will be able to analyze demand and supply concepts and different types, and measurement of elasticity of demand and factors influencing on elasticity of demand.
C211.3	Student will be able to identify production techniques, and different types of internal economies, external economies and law of returns with appropriate examples.
C211.4	Student will be able to evaluate various kinds of market structures, pricing strategies and BEA analysis concepts.
C211.5	Student will be to apply the concepts of accounts and preparation of financial statements.
C211.6	Student will be to create cash and fund flow statements for business organization

C214	C214 - Data Base Management Systems
C214.1	Understand the basic concepts and appreciate DBMS, Data Model, Design of ER diagrams and build relational data base schema.

C214.2	Write queries using Relational Algebra and Relational Calculus.
C214.3	To master the basics of sql and construct queries using sql.
C214.4	To understand the relational database design principles.
C214.5	To become familiar with the basic issues of transaction processing and concurrency control.
C214.6	To become familiar with database storage structures and access techniques.

C215	**C215 - Java Programming**
C215.1	List and use object oriented programming concepts for problem solving in Java.
C215.2	Develop programs for various applications using OOPs concepts and exceptional handling in Java.
C215.3	Learn how to reduce the wastage of CPU time with multithreading concepts in Java.
C215.4	Construct JDBC to provide a program level interface for communicating with database using Java Programming.
C215.5	Create GUI based application using Java Programming.
C215.6	Demonstrate the event handling programs and identify the differences between applets and applications with examples.

C215	**C215 - Constitution of India**
C215.1	Students will be able to understand the metamorphosis of the constitution worth fitting with changing time
C215.2	Students will be able to understand individual role and ethical responsibility towards citizens of India by learning the concepts of Human Rights, Duties and Directive Principles.
C215.3	Building overall consciousness regarding the structures of government at the National level and State level.
C215.4	Students will be able to understand the gradual decentralization of Government institutions and their functions and also come to know constitutional powers of the President of India and their applications.
C215.5	Students will be able to ascertain the different types of emergencies being imposed on, and can abide by the rules during its continuity also understand the concept of right to life and Personal liberty.
C215.6	Students, by going through the Constitution of India, will be able to adhere to all the schedules and articles and be obedient to it throughout their life.

C216	C216 - Operating Systems Lab
C216.1	Implement the CPU Scheduling Algorithms.
C216.2	Implement the File management and Directory Management Techniques
C216.3	Develop application programs using system calls in UNIX..
C216.4	Implement the Deadlock handling methods.
C216.5	Implement the Memory Management Techniques.
C216.6	Implement the interprocess communication between two processes.

C217	C217- Database Management Systems Lab
C217.1	Identify the entities, attributes, relationships, keys for given database.
C217.2	Formulate and implement queries using SQL DML, DDL commands.
C217.3	Formulate and implement SQL queries using constraints and comparison operators.
C217.4	Apply the normalization techniques for development of application software
C217.5	Learn security issues and develop security mechanisms for application software.
C217.6	Develop and implement PL/SQL programs using triggers, procedures and cursors.

C218	C215 - Java Programming Lab
C218.1	Develop application programs using constructors, Overloading and Overriding methods.
C218.2	Write programs for solving real world problems using java collection frame work.
C218.3	Understand the use of different exception handling mechanisms, packages, interfaces and concept of multithreading for robust and efficient application development.
C218.4	Understand and implement concepts on file streams, Applets, AWT, Swing controls.
C218.5	Develop java application to interact with database by using JDBC.
C218.6	Develop a project integrating the concepts learned.