JNTUH COLLEGE OF ENGINEERINGJAGTIAL
Nachupally, Kondagattu, Jagtial-505501

Department of Computer Science and Engineering
LIST OF COURSE OUTCOMES
2021-22 (I Sem)

B.Tech - II-Year I Sem

CO#	Subject Name -CO Statemetns
C202	**C202-Data Structures**
The Students should be able to	
C202.1	Gain the knowledge of basic concepts such as abstract data types, linear and non linear data structures.
C202.2	Understand the importance of hashing and different hashing techniques.
C202.3	Gains the knowledge on Non linear data structures like trees and graphs.
C202.4	Implements and know the application of algorithms for sorting.
C202.5	Gain the knowledge on pattern matching techniques.
C202.6	Design programs using a variety of data structures including hash tables, binary and general tree structures, search trees, tries, heaps, graphs and AVL trees.

C204	**C204-Computer Organization and Architecture**
C204.1	Gain the basic components and the design of CPU, ALU and Control Unit and Executing Complex Engineering Problems.
C204.2	Understand memory hierarchy and its impact on computer cost/performance.
C204.3	Understand the advantage of instruction level parallelism and pipelining for high performance Processor design.
C204.4	Learns and analyze the instruction set, instruction formats and addressing modes of 8086.
C204.5	Analyze to write assembly language programs to solve problems.
C204.6	Understand the overall functioning of computer through microprocessors.

C205	**C205-Object Oriented Programming using C++**
C205.1	Differentiate object oriented programming and procedure oriented programming.
C205.2	Learn the basics of C++, Classes in C++ and data abstraction.
C205.3	Develop programs with reusability.
C205.4	Develop programs for file handling.
C205.5	Handle exception in programming using C++.
C205.6	Develop applications for a range of problems using object oriented programming techniques.

C207	**C206-Data Structures Lab**
C207.1	Develop C programs for real time applications using base elements like control structures, arrays, functions, pointers and strings.

C207.2	Understand the importance of Linear data structures like stacks, queues, and linked lists.
C207.3	Gains the knowledge on non linear data structures like trees and graphs.
C207.4	Implement and know the applications of algorithms for sorting.
C207.5	Understand and analyze various searching techniques.
C207.6	Identify appropriate data structure for solving computing problems.

C208	**C208-IT Workshop**
C208.1	Identify the various components of computer and its peripherals.
C208.2	Apply the tools for preparation of PPT, documentation and excel sheets.
C208.3	Apply the knowledge for internet and www
C208.4	Assemble computer and install various software's.
C208.5	Trouble shoot hardware and software problems.
C208.6	Understand and Trouble shoot different types of viruses and worms.
C208	**C208-IT Workshop**

C209	**C209-C++ Programming Lab**
C209.1	Compose simple programs in C++ using the basic concepts like data types, exceptions, operators, pointers and arrays.
C209.2	Develop programs with class definition and data abstraction.
C209.3	Implement different forms of inheritance by defining the base and derived classes.
C209.4	Access the files using file operations.
C209.5	Debug the programs using exception handling mechanism.
C209.6	Develop applications for a range of problems using Object oriented programming techniques.