



**JNTUH COLLEGE OF ENGINEERING JAGTIAL**  
Nachupally, Kondagattu, Jagtial-505501

**Department of Computer Science and Engineering**

**LIST OF COURSE OUTCOMES**  
**2021-22 (I Sem)**

**B.Tech - III-Year I Sem**

<b>C301</b>	<b>C301- Formal Languages and Automata Theory</b>
C301.1	Construct the finite state machines and their power to recognize the languages.
C301.2	Model and solve the computing problems of finite state machines.
C301.3	Classify machines by their power to recognize languages.
C301.4	Employ finite state machines to solve problems in computing.
C301.5	To understand deterministic and non-deterministic machines.
C301.6	To understand the differences between decidability and undecidability.

<b>C302</b>	<b>C302 - Software Engineering</b>
C302.1	Identify the requirements, analyze and document them for the development of application by effectively communicating with the customer.
C302.2	Design, model, develop and maintain efficient and cost effective software solution to various problems faced by the society.
C302.3	To understanding of software requirements and SRS document.
C302.4	To understanding of different software architectural styles.
C302.5	To understanding of software testing approaches such as unit testing and integration testing.

<b>C303</b>	<b>C303 - Computer Networks</b>
C302.1	Understand and explore the basics of computer networks and layered approach used for simulating the networking environment.
C302.2	To introduce the fundamental various types of networks.
C302.3	To demonstrate the TCP/IP and OSI models with merits and demerits.
C302.4	To Explore the various layers of OSI model.
C302.5	To introduce TCP and UDP models.
C302.6	To introduce the fundamental various types of networks.

<b>C304</b>	<b>C304 - Web Technologies</b>
C304.1	Gain knowledge of PHP languages for server side scripting.
C304.2	Understand the fundamental concepts of XML and learn the XML parsers to load the

	XML document in the user application.
C304.3	Understand server side programming using Java Servlets.
C304.4	Compose server side programming and able to create dynamic web applications using JSP.
C304.5	Develop the dynamic web applications(pages) using JavaScript client side programming.
C304.6	Establish the database connections using PHP, Servlets and JSP.

C305	<b>C305 PE-I: Data Analytics</b>
C305.1	Understand the impact of data analytics for business decisions and strategy
C305.2	Carry out data analysis/statistical analysis
C305.3	To carry out standard data visualization and formal inference procedures
C305.4	Design Data Architecture
C305.5	Understand various Data Sources
C305.6	develop the ability to build and assess data-based models

C306	<b>C306 PE-II: Distributed Databases</b>
C306.1	Understand theoretical and practical aspects of distributed database systems.
C306.2	Study and identify various issues related to the development of distributed database system.
C306.3	Understand the design aspects of object-oriented database system and related development.
C306.4	Be able to apply methods and techniques for distributed query processing and optimisation.
C306.5	Understand the broad concepts of distributed transaction process
C306.6	Demonstrate expertise in reading peer-reviewed papers in distributed databases and explain them in writing.

C307	<b>C306- Intellectual Property Rights</b>
C307.1	Students will be able to understand the concept, basics and organizations of Intellectual Property Rights(IPR)
C307.2	Students will be able to learn about acquisition, utility and infringement of Trade mark
C307.3	Students will be able to learn national and international rights, registration process issues of the copyright law.
C307.4	Students will be able to learn the concept of Patent, Patent law, searching process and the owner ship rights.
C307.5	Students will be able to learn about importance of trade secrets and its protection.
C307.6	Students will be able to understand new developments in trademarks, copyright, patent and IPR audit.

C308	<b>C308- Artificial Intelligence</b>
C308.1	Process the ability to select a search algorithm for a problem and characterize its

	time and space complexities.
C308.2	Process the skill for representing knowledge using the appropriate technique.
C308.3	Process the ability to apply AI techniques to solve problems of expert systems and uncertainty measure.
C308.4	Ability to appreciate and apply machine learning algorithms and artificial neural networks.
C308.5	Ability to apply advanced knowledge representation techniques and natural language processing for Artificial Intelligence problems.
C308.6	Process the ability to select a search algorithm for a problem and characterize its time and space complexities.

C307	<b>C307-Software Engineering Lab</b>
C307.1	Develop the software using software engineering methods.
C307.2	Do requirement analysis efficiently of any software.
C307.3	Become proficient in using various open source software engineering tools.
C307.4	Model the software to be developed.
C307.5	Become proficient in drawing use case diagrams, which explains the functionality of software.
C307.6	Build the prototype of any software to be developed.

C308	<b>C308 - Computer Networks &amp; Web Technologies Lab</b>
C308.1	Implement data link layer framing methods
C308.2	Analyze error detection and correction codes
C308.3	Implement and analyze routing and congestion issues in network design.
C308.4	Gain knowledge of PHP programs for server side scripting.
C308.5	Understand the fundamental concepts of HTML and XML programs and learn the XML parsers to load the XML document in the user application.
C308.6	Develop the dynamic web applications (pages) using JavaScript for client side programming and Servlets, JSP for server side programming.

C309	<b>C309- Advanced Communication Skills Lab</b>
C309.1	Write forms of Letters, Reports, Resumes and Portfolios.
C309.2	Develop proficiency in oral and written communication.
C309.3	Understand different kinds of verbal and non-verbal texts
C309.4	Improve listening skills and reading comprehension.
C309.5	Acquire the knowledge of presenting PPTs.
C309.6	Participate effectively in Group Discussions and face Interviews.