



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

Department of Computer Science and Engineering

LIST OF COURSE OUTCOMES

2020-21 (I Sem)

B.Tech - III-Year I Sem

C301	C301- Formal Languages and Automata Theory
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.

C302	C302 - Software Engineering
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.
C302.6	To understanding on quality control and how to ensure good quality software

C303	C303 - Computer Networks
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.

C304	C304 - Web Technologies
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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	C305 PE-I: Image Processing
C305.1	Understand the theoretical and mathematical foundations of fundamental Digital Image Processing concepts.
C305.2	Demonstrate the knowledge of filtering techniques
C305.3	Demonstrate the knowledge of 2D transformation techniques.
C305.4	Demonstrate the knowledge of image enhancement, segmentation, and restoration techniques.
C305.5	understand the need for image compression and to learn Image Compression Models.
C305.6	Apply computer algorithms to practical image processing problems.

C306	C306 - Computer Graphics
C306.1	Understand the basic concepts of computer graphics, different graphics systems and applications of computer graphics.
C306.2	Compare and analyze various algorithms for scan conversion and filling of basic objects.
C306.3	Use geometric transformations on graphics objects and their application in composite form.
C306.4	Extract scene with different clipping methods and its transformation to graphics display device.
C306.5	Explore projections and visible surface detection techniques for display of 3D scene on 2D screen.
C306.6	Render projected objects to naturalize the scene in 2D view and use of illumination models for this.

C307	C307-Software Engineering Lab
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	C308 - Computer Networks & Web Technologies Lab
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.