Department of Computer Science & Engineering

Course Outcomes of all courses of B Tech 5th semester CSE

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C301 Microprocessors & Interfaces	C301.1	**Apply** basic concepts of digital fundamentals to microprocessor based personal computer system. **(Level 3)**
	C301.2	**Identify** detailed software and hardware structure of the microprocessors. **(Level 2)**
	C301.3	**Design**, write and test assembly language programs of moderate complexity. **(Level 6)**
	C301.4	**Illustrate** how the different peripherals are interfaced with microprocessor. **(Level 2)**
	C301.5	To **choose** and use a microprocessor for an application**.(Level 3)**

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C302 Computer Networks	C302.1	**Understand** basic computer network technology. **(Level 2)**
	C302.2	**Analyze** Data Communications System and its components. **(Level 4)**
	C302.3	**Memorize** the different types of network topologies and protocols. **(Level 1)**
	C302.4	**Analyze** the layers of the OSI model and TCP/IP. Explain the function(s) of each layer. **(Level 4)**
	C302.5	**Apply** and building the skills of sub-netting and routing mechanism. **(Level 3)**

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Course	COURSE OUTCOMES	
C303 Formal Languages and Automata Theory	C303.1	**Design** finite automata to accept a set of strings of a language. **(Level 6)**
	C303.2	**Determine** whether the given language is regular or not. **(Level 5)**
	C303.3	**Design** context free grammars to generate strings of context free language. **(Level 6)**
	C303.4	**Design** push down automata and the equivalent context free grammars and **design** turing machine. **(Level 6)**
	C303.5	**Distinguish** between computability and non-computability, decidability and un-decidability. **(Level 4)**

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C304 Data Analytics with Python	C304.1	**Use** various data structure available in python. **(Level 3)**
	C304.2	**Apply** the concepts of data analytics. **(Level 3)**
	C304.3	**Apply** the use of numpy library for performing various data processing activities. **(Level 3)**
	C304.4	**Apply** the use of pandas library for data handling activities. **(Level 3)**
	C304.5	**Apply** the use of matplotlib for data visualization activities. **(Level 3)**

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Course	COURSE OUTCOMES	
C305 Computer Graphics	C305.1	**Discuss** various algorithms for scan conversion and filling of basic objects and their comparative analysis. **(Level 6)**
	C305.2	**Match** and explain about graphics primitives and work with coordinate spaces, coordinate conversion, and transformations of graphics objects. **(Level 4)**
	C305.3	**Analyze** and demonstrate 2D & 3D geometrical transformations using modern tools. **(Level 4)**
	C305.4	**Distinguish** various 3D projections and current models for surfaces. **(Level 4)**
	C305.5	**Evaluate** the color and transformation techniques for various. **(Level 5)**

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C306 Microprocessors & Interfaces (Laboratory)	C306.1	**Apply** a basic concept of digital fundamentals to Microprocessor based personal computer system. **(Level 3)**
	C306.2	**Identify** a detailed s/w & h/w structure of the Microprocessor. **(Level 3)**
	C306.3	**Design**, write and test assembly language programs of moderate complexity. **(Level 6)**
	C306.4	**Illustrate** how the different peripherals are interfaced with Microprocessor. **(Level 2)**
	C306.5	**Apply** concepts of microprocessor for developing system to solve real world problems. **(Level 3)**

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C307 Computer Networks Laboratory	C307.1	**Design** LAN **(Level 6)**
	C307.2	**Formulate** Windows 2003 /2000/DHCP, Proxy Server. **(Level 6)**
	C307.3	**Formulate** L2/L3 Switches. **(Level 6)**
	C307.4	**Operate** netsim and simulate various LAN Protocols. **(Level 6)**
	C307.5	**Operate** wireshark and Analyze network data using it. **(Level 6)**

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C308 Data Analytics with PYTHON Laboratory	C308.1	**Apply** various data structures available in Python. **(Level 3)**
	C308.2	**Apply** the concepts of Data Analysis. **(Level 3)**
	C308.3	**Apply** the use of Numpy Library for performing various data processing activities. **(Level 3)**
	C308.4	**Apply** the use of Pandas library for data handling activities. **(Level 3)**
	C308.5	**Apply** the use of Matplotlib for data visualization activities. **(Level 3)**

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C309 Project-I Laboratory	C309.1	**Apply** theoretical knowledge to practical scenarios effectively, showcasing an understanding of core principles in the vocational field. **(Level 3)**
	C309.2	**Develop** and manage a project plan, including setting objectives, timelines, resource allocation, and documentation. **(Level 6)**
	C309.3	**Understand** and adhere to industry safety standards and regulations, ensuring a safe working environment. **(Level 2)**
	C309.4	**Implement** quality control measures to ensure the output meets industry standards. **(Level 2)**
	C309.5	**Understand** the basics of entrepreneurship, including business planning, financial management, and marketing within the vocational domain. **(Level 2)**