Department of Computer Science & Engineering

Course Outcomes of all courses of B Tech 6th semester CSE

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

Course	COURSE OUTCOMES	
C310 Compiler Design	C310.1	**Create** and **understand** the basic concept of compiler and lexical analyzer. **(Level 2,6)**
	C310.2	***Evaluate*** and **distinguish** various parsing techniques. **(Level 2,4)**
	C310.3	**Identify** and **analyze** the syntax directed translation and intermediate code generation. **(Level 2)**
	C310.4	**Recognize** and **apply** runtime environment using activation tree and activation record. **(Level 2,3)**
	C310.5	**Understand** code optimization and code generation techniques. . **(Level 2)**

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

Course	COURSE OUTCOMES	
C3131 Software Engineering & Project Management	C311.1	To introduce software project and to **understand** about the different software processes & their uses. **(Level 2)**
	C311.2	To **understand** and conceptualize the process of software development life cycle (SDLC) models. **(Level 2)**
	C311.3	To **introduce** ethical and professional issues and to explain why they are concern to software engineers. **(level 1,2,4)**
	C311.4	**Apply** use of software life cycle to implement the projects successfully in the corporate world. **(Level 3)**
	C311.5	To **understand** how Software engineering & Project Management is concerned with theories, methods and tools for professional software development. **(level 1,2)**

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

Course	COURSE OUTCOMES	
C312 Artificial Intelligence & Expert Systems	C312.1	**Distinguish** the fundamental understanding of artificial intelligence (AI) and expert systems. **(Level 4)**
	C312.2	**Apply** basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning. **(Level 3)**
	C312.3	**Demonstrate** awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models. **(Level 2)**
	C312.4	**Analyze** the proficiency in applying scientific method to models of machine learning. **(Level 4)**
	C312.5	**Distinguish** the basic understanding of AI- languages **(Level 4)**

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

Course	COURSE OUTCOMES	
C313 Internet Of Things	C313.1	**Illustrate** the concepts of internet of things. **(Level 2)**
	C313.2	**Demonstrate** with internet of things architecture. **(Level 2)**
	C313.3	**Analyze** basic protocols in wireless sensor network. **(Level 4)**
	C313.4	**Understand** the security threats privacy issues with internet of things system. **(Level 2)**
	C313.5	To **design** internet of things application in different domain and be able to **analyze** their performance. **(Level 4,6)**

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

Course	COURSE OUTCOMES	
C314 Cryptography & Network Security	C314.1	**Identify** conventional encryption algorithms for confidentiality and their design principles. **(Level 2)**
	C314.2	**Define** knowledge about Public key encryption algorithms and their design principles **(Level 5)**
	C314.3	**Understands** the use of message authentication codes, hash functions , digital signature and public key certificates **(Level 2)**
	C314.4	**Apply** Network security tools and applications for implementation 0f network.**(Level 3)**
	C314.5	**Evaluate** System-level security issues like threat of and countermeasures for intruders and viruses, and the use of firewalls and trusted systems ***(Level 5)***

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

Course	COURSE OUTCOMES	
C315 Software Engineering & Project Management (Laboratory)	C315.1	**Define** various software application domains and remember different process model used in software development. **(Level 1)**
	C315.2	**Explain** needs for software specifications also they can classify different types of software requirements and their gathering techniques. **(Level 2)**
	C315.3	Convert the requirements model into the design model and **demonstrate** use of software and user-interface design principles. **(Level 2)**
	C315.4	**Justify** the role of SDLC in Software Project Development and evaluate importance of Software Engineering in PLC. **(Level 5)**
	C315.5	Generate project schedules, deliverables and **construct**, **design** and **develop** network diagram for different type of projects; also practicing the activities of each phase. **(Level 3, 6)**

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

Course	COURSE OUTCOMES	
C316 Artificial Intelligence & Expert Systems Laboratory	C316.1	Acquire an overview of logic **constructs** for performing inference techniques. (First Order Predicate Calculus) in toy problems /classical problems using PROLOG / LISP syntax. **(Level 3)**
	C316.2	**Develop** confidence in drafting production rules (iterative / recursive) for an AI simulating code, given a story domain. **(Level 3)**
	C316.3	**Understand**, on how to use different data structures (lists, trees, stacks and queues) for solving routing problems and implementing heuristic searches. **(Level 2)**
	C316.4	**Develop** exposure to deal with situations that crop up syntax / compile-time / run-time errors. **(Level 3)**
	C316.5	**Simplify** game playing / puzzle problems using general solution in PROLOG / LISP syntax. **(Level 4)**

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

Course	COURSE OUTCOMES	
C317 Internet of Things Laboratory	C317.1	**Describe** what IoT is and how it works today. **(Level 2)**
	C317.2	**Recognize** the factors that contributed to the emergence of IoT, Design and program IoT devices. **(Level 2)**
	C317.3	**Use** real IoT protocols for communication, secure the elements of an IoT device. **(Level 3)**
	C317.4	**Design** an IoT device to work with a Cloud Computing infrastructure. **(Level 6)**
	C317.5	**Examine** IoT data to the cloud and in between cloud providers. **(Level 4)**

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

Course	COURSE OUTCOMES	
C318 Android Application Laboratory	C318.1	Acquire an overview of logic **constructs** for performing inference techniques. (First Order Predicate Calculus) in toy problems /classical problems using PROLOG / LISP syntax. **(Level 3)**
	C318.2	**Develop** confidence in drafting production rules (iterative / recursive) for an AI simulating code, given a story domain. **(Level 3)**
	C318.3	**Understand**, on how to use different data structures (lists, trees, stacks and queues) for solving routing problems and implementing heuristic searches. **(Level 2)**
	C318.4	**Develop** exposure to deal with situations that crop up syntax / compile-time / run-time errors. **(Level 3)**
	C318.5	**Simplify** game playing / puzzle problems using general solution in PROLOG / LISP syntax. **(Level 4)**