Department of Information Technology
Course Outcomes of all courses of B Tech 3rd semester IT

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

Course	COURSE OUTCOMES	
C201- Mathematics - III	C201.1	**Define** Transform of elementary functions , Inverse Laplace Transform, ordinary differential equations. ***(Level 1)***
	C201.2	**Apply** Homogeneous linear equation with constant coefficients, Method of separation of variables ***(Level 3)***
	C201.3	**Implement** Mathematical expectation, Mean and Variance, Moments, Moment generating function,***(Level 3)***
	C201.4	**Apply** Newton's Forward & Backward Difference Formulae, Central Difference Formula, Stirling's Formula ***(Level 3)***
	C201.5	**Simplify** Bessel's Formula, Lagrange's Formula and Newton's Divided Difference Formula. ***(Level 4)***

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

Course	COURSE OUTCOMES	
C202- Computer Architecture, Organization and Microprocessor	C202.1	**Classify** basic structure of digital computers**. Define** Addressing Modes ,*Pipelining, Control Unit.****(Level 1)***
	C202.2	**Solve** Arithmetic operations, Hardware algorithm ,floating point arithmetic operations.**(Level 2)**
	C202.3	**Apply** the concept of memory management, static keywords, pointer concepts constructor. ***(Level 3)***
	C202.4	**Illustrate** Basic processor architecture and data movement instructions. ***(Level 2)***
	C202.5	**Develop** Assembly Language Programs , Interrupt Programming and Procedures.(Level 3)

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

Course	COURSE OUTCOMES	
C203- Object Oriented Concepts & Programming using Java	**C203.1**	***study*** the difference between object oriented programming and procedural oriented language and data types in Java. ***(Level 1)***
	C203.2	***describe*** different features of Java such as composition of objects, Operator overloading, inheritance, Polymorphism etc... ***(Level 2)***
	C203.3	***implement*** the concept of memory management, static keywords, pointer concepts constructor. ***(Level 3)***
	C203.4	***analyze*** and Evaluate to use concept of inheritance, polymorphism, template, exception handling, file handling in Java environment. ***(Level 4)***
	C203.5	***design*** At the end of the course students will able to write a program in object-oriented programming and also Build good quality software using object-oriented programming technique using java. ***(Level 6)***

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Course	COURSE OUTCOMES	
C204- Computer Networks	**C204.1**	***Define*** *Computer Networks uses, Data Transmission modes*. ***(Level 1)***
	C204.2	***describe*** concept of Data link layer and medium access control sublayer ***(Level 2)***
	C204.3	***Classify*** Network Layer, Routing algorithms and internet protocols.***(Level 2)***
	C204.4	***Develop*** transport layer, protocols, and establish TCP connections.. ***(Level 3)***
	C204.5	***Analyze*** File transfer in Application Layer and working with Electronic mail (SMTP,POP3,IMAP etc)***(Level 4)***

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

Course	COURSE OUTCOMES	
C205- Digital Electronics	**C205.1**	***Define*** Logical gates, Weighted & Non-weighted codes and minimization techniques ***(Level 1)***
	C205.2	***Illustrate*** Adder & Subtractor, code conversation and multiplexer , demultiplexer ***(Level 2)***
	C205.3	***Develop*** Sequential & Combinational Circuits, working with flipflops, registers and counters.***(Level 3)***
	C205.4	***Analyze*** Sequential Circuits ,State Diagram, State Equation, State Reduction ***(Level 4)***
	C205.5	**Determine** Memory devices and digital integrated circuit, Implementation of combinational logic circuits***(Level 5)***

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

Course	COURSE OUTCOMES	
C206 Digital Electronics Lab	C206.1	**Demonstrate** the truth table of various expressions and combinational circuits usinglogic gates. **(Level 2)**
	C206.2	**Design**, test and evaluate various combinational circuits such as adders **(Level 5,6)**
	C206.3	**Construct** subtractors, comparators, multiplexers and demultiplexers.. **(Level 6)**
	C206.4	**Construct** flips-flops, counters and shift registers. **(Level 6)**
	C206.5	**Design** and evaluate full adder and up/down counters. **(Level 6)**

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

Course	COURSE OUTCOMES	
C207 COA & Microprocessor	C207.1	**Implements** Addition, Subtraction, Multiplication&Division **(Level 4)**
	C207.2	**Create** various assembly language program on given series. **(Level 6)**
	C207.3	**Construct** Programs for String Operation **(Level 6)**
	C207.4	**Develop** STACK Programming using assembly language **(Level 6)**
	C207.5	To **demonstrate** delay programming **(Level 2)**

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

Course	COURSE OUTCOMES	
C208 Computer Networks	C208.1	**Explain** simulation tools **(Level 2)**
	C208.2	**Develop** the various protocols. **(Level 3)**
	C208.3	**Analyze** the performance of the protocols in different layers. **(Level 4)**
	C208.4	**Analyze** various routing algorithms **(Level 4)**
	C208.5	**Create** Stop, Wait Protocol and Sliding Window Protocol **(Level 6)**

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

Course	COURSE OUTCOMES	
C209 Software Lab(Programming in Java)	C209.1	To **develop** java programs using constructors and destructors.(**level 6**)
	C209.2	To **utilize** the concept of inheritance to develop java programs.(**level 3**)
	C209.3	To **demonstrate** the use of exception handling and Strings in java programs.(**level 2**)
	C209.4	To **Create** multithreaded applications using java programming.(**level 6**)
	C209.5	To **design** and develop interactive application programs using user Interfacing components, filehandling, and JDBC.(**level 6**)