

COMPUTER SCIENCE & ENGINEERING	
II B.Tech I Sem COURSE OUTCOMES	
COURSE OUTCOMES – Mathematics-IV	
C211.1	Determine whether a given function is differentiable, and if so find its derivative and Verify analyticity of functions.
C211.2	Find parameterizations of curves, and compute complex line integrals directly and calculate Taylor or Laurent series for functions.
C211.3	Use Cauchy's integral theorem and formula to compute line integrals
C211.4	Find the Fourier series representation of a function of one variable.
C211.5	Express any periodic function in term of sines and cosines and to express a non-periodic function as integral representation.
C211.6	Find the solution of the wave, diffusion and Laplace equations using the Fourier series.
COURSE OUTCOMES – Data Structures through C++	
C212.1	Ability to Explain the basic data structures and their applications and to analyze the time and space complexities of algorithms (knowledge)
C212.2	Ability to choose appropriate data structures to represent data items in real world problems (Application)
C212.3	Design data structures using various trees and arrange them in an optimal way using heap (Synthesis).
C212.4	Able to analyze and implement various kinds of searching and hash techniques (Analysis)
C212.5	Identify the proper path by using BFS ,DFS and different searching techniques (Knowledge)
C212.6	Identify the proper path by using BFS ,DFS and different searching techniques (Knowledge)
COURSE OUTCOMES – Mathematical Foundations Of Computer Science	
C213.1	Write an argument using logical notation and can determine its validity using the theory of inference. (Knowledge and Application)
C213.2	Construct the canonical forms of the statement formulae. (Analysis)
C213.3	Illustrate the terminology of Functions,Relations,Sets,Algebraic Systems and their associated properties.
C213.4	Apply the basic Counting principles and Combinatorics to determine Probabilities. (Application)
C213.5	Solve first, second and nth order recurrence relations using various methods. (Evaluation)
C213.6	Apply Graph theory in solving computer science problems. (Application)
COURSE OUTCOMES – Digital Logic Design	
C214.1	Ability to Explain the basic data structures and their applications and to analyze the time and space complexities of algorithms (knowledge)
C214.2	Ability to choose appropriate data structures to represent data items in real world problems (Application)
C214.3	Solve the Boolean Expressions using mapping method. [Evaluation]
C214.4	Design and analyse Combinational circuits [Synthesis & Analysis]
C214.5	Design and analyse sequential circuits. [Synthesis & Analysis]

C214.6	Classify the memory devices and explain programmable logic devices. [Application]
COURSE OUTCOMES – Object Oriented Programming Through Java	
C215.1	Identify the behaviour of programs involving the basics programming constructs
C215.2	Explain the concepts of classes,objects,methodsconstructors,overloading and overriding along with access controls
C21.53	Use the data abstraction,inheritance,polymorphism,encapsulation principles in structuring java applications
C215.4	Develop java programming using multithreading,files,collections with necessary exception handling
C215.5	Develop java programming using database concepts with necessary exception handling
C215.6	Develop GUI applications using AWTs, Swings and applets.
COURSE OUTCOMES – Environment Science and Technology	
C216.1	Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales.
C216.2	Apply systems concepts and methodologies to analyze and understand interactions between social and environmental processes.
C216.3	Understand core concepts and methods from ecological and physical sciences and their application in environmental problem-solving.
C216.4	Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.
C216.5	Ability to underatand the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
COURSE OUTCOMES Data Structure Through C++ Lab	
C217.1	Develop appropriate data structures to represent data items in real world problems
C217.2	Design data structures using various trees and arrange them in an optimal way using heap
C217.3	Apply various sorting techniques for sorting data either in ascending or descending
C217.4	Design and implement various kinds of searching and hash techniques
C217.5	Design proper path by using BFS and different searching techniques
C217.6	Design the proper path by using BFS ,DFS and different searching techniques
COURSE OUTCOMES – Object Oriented Programming through Java Lab	
C218.1	Design the programs involving the basics programming constructs
C218.2	Analyze the concepts of classes, objects, methods constructors, overloading and overriding along with access controls
C218.3	Use the data abstraction, inheritance, polymorphism, encapsulation principles in structuring java applications
C218.4	Develop java programming using multithreading, files, collections with necessary exception handling
C218.5	Develop java programming using Database concepts with necessary exception

	handling
C218.6	Develop GUI applications using AWTs, Swings and applets.
COURSE OUTCOMES – ITWORKSHOP LAB	
C219.1	Apply knowledge for computer assembling and software installation.
C219.2	Ability how to solve the Hardware trouble shooting problems.
C219.3	Ability how to solve the Hardware trouble shooting problems.
C219.4	Ability how to Configure TCP/IP settings.
C219.5	Understand Surfing, Search engine, netiquette and cyber hygiene
C219.6	Apply the tools for preparation of PPT, Documentation and budget sheet
II B.Tech II Sem COURSE OUTCOMES	
COURSE OUTCOMES – COMPUTER ORGANIZATION	
C221.1	Design arithmetic and logic unit. [Analysis]
C221.2	Understand the architecture of 8086 microprocessor and its features with different addressing capabilities. [Knowledge]
C221.3	evaluate performance of the computer system and decode machine language[Comprehension]
C221.4	explain different synchronous and asynchronous data transfer techniques [Synthesis]
C221.5	define different number systems, binary addition and subtraction, 2's complement representation and operations with this representation.[Knowledge]
C221.6	Design hypothetical parallel processor, pipelining and inter processor communication and will be able to evaluate performance of memory systems. [Application]
COURSE OUTCOMES – DATABASE MANAGEMENT SYSTEMS	
C221.1	Describe the basic elements of relational database management system like entities and constraints (knowledge).
C221.2	Identify the data models for relevant problems (Knowledge)
C221.3	Organize and formulate SQL queries on data (Application)
C221.4	Apply normalization for the development of application software (Application).
C221.5	Organize transaction management and concurrency control techniques on databases(Application)
C221.6	Identify the database storage structures and access techniques (knowledge).
COURSE OUTCOMES – OPERATING SYSTEM	
C223.1	Ability to Explain the basic data structures and their applications and to analyze the time and space complexities of algorithms (knowledge)
C223.2	Ability to choose appropriate data structures to represent data items in real world problems (Application)
C223.3	Illustrate about minimization of turnaround time rating time, response time and also minimization of throughput by keeping CPU as busy as possible. (Comprehension)
C223.4	Identify the access controls to protect files (knowledge)
C223.5	Distinguish between different operating systems (Comprehension).
C223.6	Identify the design of deadlock in process (knowledge)
COURSE OUTCOMES – FORMAL LANGUAGES AND AUTOMATA THEORY	

C224.1	Illustrate DFA & NFA problems.
C224.2	Understand Regular Language and Regular Grammar
C224.3	Apply finite state machines to solve problems in computing, the knowledge to construct context-free grammars for specific tasks.
C224.4	Design the model of Push down Automata
C224.5	Design Turing Machine to compute
C224.6	Understand Decidability and Undecidability
	COURSE OUTCOMES – BUSINESS ECONOMICS AND FINANCIAL ANALYSIS
C225.1	To determine the objectives and able to know the nature and scope of Business Economics
C225.2	To predict the demand of products and services by using different methods
C225.3	To gain knowledge on price and market structure, behaviour of consumer and producer under competitive market situations
C225.4	To examine optimum production, economies of scale, production function, optimum size of the firm, cost behaviour and Break even point.
C225.5	To discuss the process & principles of accounting and prepare Journal, Ledger, Trial balance, Trading A/c, Profit & Loss A/c and Balance sheet of an enterprise.
C225.6	To analyze the financial statements of a business enterprise by using liquidity leverage & profitability ratios.
	COURSE OUTCOMES – Computer Organization Lab
C226.1	Design and Implement Basic Logic Gates
C226.2	Design and Implement Basic decoder using gates, Decade counter
C226.3	Design and Implement 4:1, 8:1 MUX, 4 Bit shift register using flip flops
C226.4	Ability to write basic Assembly Language Programs using 8086
C226.5	Validate Program for boundary Conditions
C226.6	Write ALP to implement Procedures
	COURSE OUTCOMES – Database Management Systems Lab
C227.1	Ability to Design Conceptual Database using ER models
C227.2	Install Mysql and execute basic Query
C227.3	Ability to execute DDL, DML, DCL commands
C227.4	Demonstrate Triggers
C227.5	Ability to write PL/SQL programs using Procedures
C227.6	Ability to write PL/SQL programs using Cursors
	COURSE OUTCOMES – Operating Systems Lab
C218.1	Apply minimization of turnaround time, waiting time, response time and also minimization of throughput by keeping CPU as busy as possible.
C218.2	Develop an application programs using file techniques.
C218.3	Design and implement the OS concepts using deadlock in process
C218.4	Apply optimization techniques and paging techniques for the improvement of OS performance and Memory management
C218.5	Develop programs for transferring stream of data from one location to another
C218.6	Design disk scheduling algorithms for improving OS performance
	COURSE OUTCOMES – Gender Sensitization Lab

C219.1	Develop a better understanding of important issues related to gender in contemporary India.
C219.2	Sensitize basic dimensions of the biological, sociological, psychological and legal aspects of gender
C219.3	Grasp how gender discrimination works in our society and how to counter it.
C219.4	Acquire insight into the gendered division of labour and its relation to politics and economics.
C219.5	Equipped to work and live together as equals.
C219.6	Sense of appreciation of women in all walks of life

III B.Tech I Sem COURSE OUTCOMES

COURSE OUTCOMES - Design And Analysis Of Algorithms

C311.1	Analyze to find time complexity, space complexity and analyze how to divide large complex problem(analysis)
C311.2	construct the BFS , DFS graphs and connected components with backtracking
C311.3	Apply different designing methods development of algorithms using greedy method (application)
C311.4	apply the Dynamic programming method on the graphs for getting optimal path (application)
C311.5	Illustrate NP-HARD and NP-COMPLETE problems using probability (comprehension)
C311.6	Apply Branch and Bound method on the problems(application)

COURSE OUTCOMES - Data Communication And Computer Networks

C312.1	Explore the basics of Computer Networks and various protocols
C312.2	Identify the use of layered approach on different networks
C312.3	Illustrate various multiple access protocols in Medium Access Control (MAC) sub layer
C312.4	Illustrate different routing algorithms
C312.5	Analyze the features and operations of TCP/UDP protocols
C312.6	Examine DNS,FTP,HTTP

COURSE OUTCOMES - Software Engineering

C313.1	Acquire strong fundamental knowledge in science, mathematics, fundamentals of computer science, software engineering and multidisciplinary engineering to begin in practice as a software engineer.[Knowledge – Level-1]
C313.2	Design applicable solutions in one or more application domains using software engineering approaches that integrate ethical, social, legal and economic concerns. [Synthesis – Level -5]
C313.3	Create quality software products by possessing the leadership skills as an individual or contributing to the team development and demonstrating effective and modern working strategies by applying both communication and negotiation management skill. [Synthesis –

	Level -5]
C313.4	Apply new software models, techniques and technologies to bring out innovative and novelistic solutions for the growth of the society in all aspects and evolving into their continuous professional development. [Application – Level-3]
C313.5	Develop an awareness of the role and responsibilities of the professional software engineer; . [Synthesis – Level -5]
C313.6	Acquire skills to think about problems and their solutions using appropriate methods of analysis and design; .[Knowledge – Level-1]
COURSE OUTCOMES - Fundamentals Of Management	
C314.1	You are able to describe scope, role and functions of a manager and significance of management
C314.2	You are able to implement basic 14 Principles of Management
C314.3	You are able to identify the importance of planning , applying planning as an effective decision making tool
C314.4	You are able to discuss the Principles of Organization and to study HRM by Recruitment, Selection & Training Devt.
C314.5	You are able to support confidence to tackle employees grievances & customer complaints and know the individual process in organize, to plan, develop & monitor performance appraisal
C314.6	You are able to create various statements related to the financial position of an organization
COURSE OUTCOMES - Disaster Management	
C315.1	Define disaster, risk, hazard and vulnerabilities. Identify levels of disaster Different disasters and major global, regional and national events. (Knowledge).
C315.2	Classify disasters into natural and manmade. Point out the damage potential of each hazard. Analyse the hazard, vulnerability assessment and disaster risk (Analysis).
C315.3	Distinguish the various steps in disaster management cycle- mitigation, preparedness and relief. Differentiate between risk and crisis management. (ANALYSIS).
C315.4	Recognize the various capacity building steps. Prioritise the structural and non structural measures of capacity building. Point out the legislative support provided by state and central govt. (Analysis).
C315.5	Recognize the human adjustment to disaster. The changing concept of disaster management involving safety of people and their easy readjustment to changed environment being the most important resource. Recognize the use of mass media in disaster management. (ANALYSIS).
C315.6	Recognize the human adjustment to disaster. The changing concept of disaster management involving safety of people and their easy readjustment to changed environment being the most important resource. (ANALYSIS).
COURSE OUTCOMES - Professional Ethics	
C316.1	Understand Basic Purpose of Profession, Professional ethics, moral and Social Issues
C316.2	Awareness of Professional rights and responsibilities of a engineer
C316.3	Applying ethical principals at various levels of Profession
C316.4	Knowledge of Professional ethical values and contemporary issues
C316.5	Excelling in Competitive and Challenging Environment
C316.6	Excelling in industrial Growth
COURSE OUTCOMES –DAA LAB	
C317.1	Analyze how to divide large complex problem(analysis)

C317.2	Construct the BFS , DFS graphs and connected components with backtracking (synthesis).
C317.3	Construct and develop algorithms using backtracking(synthesis).
C317.4	Apply different designing methods development of algorithms using greedy method (application)
C317.5	apply the Dynamic programming method on the graphs for getting optimal path (application)
C317.6	Apply Branch and Bound method on the problems(application)
COURSE OUTCOMES –COMPUTER NETWORKS LAB	
C318.1	Ability to implement DLL methods
C318.2	Ability to apply Appropriate algorithm for finding Shortest Root
C318.3	Ability to understand the Encryption and Decryption concepts in Linux Environment
C318.4	Abilty to configure Routing Table
C318.5	Understand DES algorithms
C318.6	Understand RSA algorithm
COURSE OUTCOMES – SOFTWARE ENGINEERING LAB	
C319.1	Identify strong fundamental knowledge in science, mathematics, fundamentals of computer science, software engineering and multidisciplinary engineering to begin in practice as a
C319.2	Design applicable solutions in one or more application domains using software engineering approaches. [Level -1Synthesis]
C319.3	Create quality software products and demonstrating effective and modern working strategies. [Level -5Synthesis]
C319.4	Apply new software models, techniques and technologies to bring out innovative and novelistic solutions for the growth of the society [Level -3Application]
C319.5	Develop an awareness of the role and responsibilities of the professional software engineer; [Level -5 Synthesis]
C319.6	List skills to think about problems and their solutions using appropriate methods of analysis and design; [Level -1 Knowledge]
III B.Tech II Sem COURSE OUTCOMES	
COURSE OUTCOMES –Compiler Design	
C321.1	Describethe design of a compiler and can identifythe connection of finite automata to compiler design through regular expressions and grammar. (Knowledge)
C321.2	Design and implement language processors by using tools to automate parts of the implementation process. (Synthesis)
C321.3	Implement major parsing techniques ranging from the recursive decent methods to the computationally more intensive LR techniques that have been used in parser generator. (Application)
C321.4	Explain and distinguish the concepts related to semantic analysis and storage organization used to support the run time environment of a program. (Comprehension & Analysis)
C321.5	Identify and discuss various machine independent and dependent code optimization techniques. (Knowledge &Comprehension)
C321.6	Illustrate various aspects of Code Generation. (Comprehension)
COURSE OUTCOMES – Web Technologies	

C322.1	Students Will be able to develop Client side scripting and form validation using PHP
C322.2	Students are able to develop a dynamic webpage by the use of javascript and DHTML.
C322.3	Students will be able to write a well formed/valid XML document.
C322.4	Students will be able to write a server side java application called Servlet to catch form data sent from client, process it and store it on database.
C322.5	Students will be able to write a server side java application called JSP to catch form data sent from client and store it on database.
C322.6	Students are able to develop a dynamic webpage by the use of java script and DHTML.
COURSE OUTCOMES – CGNS	
C323.1	Differentiate network security and computer security. (Analysis)
C323.2	Illustrate various attacks on network and various conventional cryptography algorithms and asymmetric encryption algorithms. (Comprehension)
C323.3	Illustrate various Symmetric and Asymmetric key ciphers (Comprehension)
C323.4	Evaluate in Message authentication, Hash function and Public key encryption. (Evaluation)
C323.5	Recognize requirements for web security and implementing security through SSL/TLS. (Knowledge)
C323.6	Analyze how PGP and S/MIME is used to protect messages transmitted through e-mail. (Analysis)
COURSE OUTCOMES – Intellectual Property Rights	
C324.1	Acquire basic knowledge about four types of intellectual property right and different international organizations. (Knowledge)
C324.2	Have knowledge on trademarks and can apply in trademark registration (Knowledge & Application)
C324.3	Have knowledge on copyrights and can apply ownership rights (Knowledge & Application)
C324.4	Evaluate different types of patents and can apply in ownership rights and transfer (Knowledge & Application)
C324.5	Examine false advertising in the market and trade secret protection (Knowledge & Application)
C324.6	Anticipate critical analysis arguments relating to the new development in intellectual property rights (knowledge & Application)
COURSE OUTCOMES – Design Patterns	
C325.1	Identify appropriate design patterns to solve object oriented design problems. (Knowledge)
C325.2	Illustrate design patterns to identify the problems in Lexi Document. (Comprehension)
C325.3	Solve the problems in Lexi Document. (Application)
C325.4	Apply design solutions by using Creational Patterns. (Application)
C325.5	Apply design solution by using Structural Patterns. (Application)
C325.6	Construct design solution by using Behavioral Patterns. (Synthesis)
COURSE OUTCOMES –CGNS LAB	
C317.1	Classify Symmetric encryption Techniques
C317.2	Illustrate various public key cryptographic techniques
C317.3	Perform Encryption and Decryption using caeser cipher, hill cipher algorithms
C317.4	Perform Encryption and Decryption using rail fence cipher algorithm
C317.5	Impliment DES, RSA, BlowFish, Deffeyhellman algorithm
C317.6	Caliculate message digest

COURSE OUTCOMES –WEB TECHNOLOGIES LAB	
C318.1	Develop web pages using HTML and PHP
C318.2	Validate web forms using client side scripting PHP
C318.3	Validate XML schema
C318.4	Develop Server side web applications using Servlets
C318.5	Develop Server side web applications using JSP
C318.6	Develop web pages using java script and DHTML
IV B.Tech I Sem COURSE OUTCOMES	
COURSE OUTCOMES –LINUX PROGRAMMING	
C411.1	Ability to Illustrate Linux utilities to create and manage simple file processing operations and shell scripts to perform more complex tasks.
C411.2	Ability to Indicate and implement system-level applications for open-source operating systems
C411.3	Ability to Develop client server applications with appropriate security.
C411.4	Ability to Show the file processing operations such as standard I/O and formatted I/O and Signal generation and handling signals
C411.5	Ability to Develop client server Inter Process Communication (IPC) Mechanisms
C411.6	Ability to Evaluate multithreading concepts to reduce the wastage of CPU time.
COURSE OUTCOMES – CLOUD COMPUTING	
C412.1	Analyze the Cloud computing setup with it's vulnerabilities and applications using different architectures. [Analysis – Level-4]
C412.2	Design different workflows according to requirements and apply map reduce programming model. [Synthesis – Level -5]
C412.3	Apply and design suitable Virtualization concept, Cloud Resource Management and design scheduling algorithms. [Application – Level-3]
C412.4	Create combinatorial auctions for cloud resources and design scheduling algorithms for computing clouds. [Synthesis – Level -5]
C412.5	Explain cloud Storage systems and Cloud security, the risks involved, its impact and develop cloud application. [Comprehension Level-2]
C412.6	Analyze impact of engineering on legal and societal issues involved in addressing the security issues of cloud computing. . [Analysis – Level-4]
COURSE OUTCOMES – INFORMATION RETREVAL SYSTEM	
C413.1	Describe models like vector-space model, probabilistic model and language models to identify the similarity of query and document. (Knowledge)
C413.2	Apply clustering algorithms to Understand the method of Regression analysis to estimate the probability of relevance. (Application)
C413.3	Analyze the method to construct thesauri automatically and manually. (Analsys)
C413.4	Identify the measures to evaluate the performance of Semantic networks and cross language information retrieval systems . . (Knowledge, Evaluation)
C413.5	Illustrate the information retrieval as relational application to Understand the model of distributed information retrieval. (Comprehension)
C413.6	Identify the duplicates of document to improve the efficiency of similarity. (Knowledge)

COURSE OUTCOMES – DATAWAREHOUSE AND DATA MINING	
C414.1	Understand and implement classical algorithms in data mining and data warehousing;
C414.2	Assess the strengths and weaknesses of the algorithms
C414.3	Characterize the kinds of problems that can be discovered by association rule mining, classification
C414.4	Apply data mining techniques as well as methods in integrating and interpreting the data sets and improving effectiveness, efficiency and quality for data analysis
C414.5	Characterize the kinds of problems that can be discovered by clustering
C414.6	Understand Outlier Analysis
COURSE OUTCOMES – SOFTWARE PROJECT MANAGEMENT	
C415.1	Describe and determine the purpose and importance of project management from the perspectives of planning, tracking and completion of project - Knowledge
C415.2	Compare and differentiate organization structures and project structures. - Analysis
C415.3	Evolution of engineering and production stages, artifacts of the process - Evaluation
C415.4	Develop a project to manage project schedule, expenses and resources with the application of suitable project management tools. - Synthesis
C415.5	Design and evaluate the command center processing
C415.6	Design display system. – Synthesis & Evaluation
COURSE OUTCOMES – DESIGN PATTERNS	
C416.1	Identify appropriate design patterns to solve object oriented design problems. (Knowledge)
C416.2	Illustrate design patterns to identify the problems in Lexi Document. (Comprehension)
C416.3	Solve the problems in Lexi Document. (Application)
C416.4	Apply design solutions by using Creational Patterns. (Application)
C416.5	Apply design solution by using Structural Patterns. (Application)
C416.6	Construct design solution by using Behavioural Patterns. (Synthesis)
COURSE OUTCOMES – LINUX PROGRAMMING LAB	
C417.1	Ability to write shell programming scripts.
C417.2	Demonstrate Creating File System and Directories system calls
C417.3	Demonstrate Process Management in Linux
C417.4	Demonstrate signal processing in Linux Operating System
C417.5	Understand Inter Process Communication in Linux using pipes, fifos, shared memory
COURSE OUTCOMES – DATA WAREHOUSE AND DATA MINING LAB	
C418.1	Ability to understand various kinds of Tools
C418.2	Demonstrate Association, Classification Techniques
C418.3	Demonstrate Clustering and Outlier Analysis
C418.4	Ability to add mining algorithm as component to the existing Tools
C418.5	Ability to apply Mining Techniques for realistic data
C418.6	Knowledge about Real time Data Mining Application

IV B. Tech IISem COURSE OUTCOMES

COURSE OUTCOMES - Management Science

C421.1	Describe management, administration, organisation, objectives, nature, scope, role, responsibilities and approaches of a management
C421.2	Ability to formulate materials / purchases / stores / Inventory management
C421.3	Ability to carry out production and operations through workstudy, method study and work measurement
C421.4	Ability to interpret HRM / PMIR principles using recruitment, selection, training & development as tools
C421.5	Ability to apply the concept of PERT/CPM in project planning & monitoring case study
C421.6	Ability to formulate strategies for management using SWOT & CPP Techniques
COURSE OUTCOMES – Semantic Web and Social Networks	
C422.1	Apply knowledge representation for the semantic web. (Application)
C422.2	Differentiate semantic web from other. (Analysis)
C422.3	Explain semantic web in detailed (Comprehension)
C422.4	Create semantic web applications with social network features. (Synthesis)
C422.5	Construct blogs and social networks. (Synthesis)
C422.6	Applying Web mining techniques in various applications like social, scientific and environmental context. (Application)
COURSE OUTCOMES – Ad hoc sensor and Networks	
C423.1	Describe the concept of Mobile Computing
C423.2	Analyze the GSM Architecture, protocols and their new data services
C423.3	Construct the MAC protocols for GSM and wireless LANs
C423.4	Explain about the mobile IP Network layer
C423.5	Develop new ad hoc network applications and algorithms or protocols
C423.6	Evaluate and explain any existing or new protocol related to mobile environment
COURSE OUTCOMES – INDUSTRY ORIENTED MINI PROJECT	
C424.1	Acquire practical knowledge in spite of theoretical concepts he/she acquired (Application).
C424.2	Recognise uncertainty of open ended investigations like technical problems and difficulties in collecting the required data (knowledge).
C424.3	Differentiate open ended projects and set of practicals (Comparison) .
C424.4	Develop their communication and team work skills (synthesis).
C424.5	To Assess different tools /software's and protocols which he used in the project (Evaluation).
C424.6	Simulate their Software results and dump into hardware for testing (Analysis)
COURSE OUTCOMES – SEMINAR	
C425.1	Improve oral and written communication skills.
C425.2	Explore an appreciation of the self in relation to its larger diverse social and academic contexts.
C425.3	Identify, understand and discuss current, real-world issues
C425.4	Distinguish and integrate differing forms of knowledge and academic disciplinary approaches
C425.5	Apply principles of ethics and respect in interaction with others.

C425.6	Ability to write technical documents and give oral presentations related to the work completed.
COURSE OUTCOMES –PROJECT WORK	
C426.1	Acquire practical knowledge in spite of theoretical concepts he/she acquired (Application).
C426.2	Recognise uncertainty of open ended investigations like technical problems and difficulties in collecting the required data (knowledge).
C426.3	differentiate open ended projects and set of practicals(Comparasion)
C426.4	develop their communication and team work skills(synthesys).
C426.5	Asses different tools /soft ware's and protocols which he used in the project(Evaluation).
C426.6	Simulate their Software results and dump into hardware for testing (Analysis).
COURSE OUTCOMES –COMPREHENSIVE VIVA	
C427.1	Expose students to the 'real' working environment and get (knowledge)
C427.2	Promote and develop presentation skills and import a knowledge able society (synthesis).
C427.3	Improve verbal and nonverbal communication. (Analysis).
C427.4	Understand recent trends and technologies in area of electronics and communication (Application).
C427.5	Recognize problems after doing research literature survey using various resources. (Evaluation).
C427.6	Acquainted with the organization structure, business operations and administrative functions. (Knowledge)