

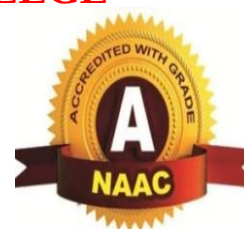


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(UGC-Autonomous)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTUH
Accredited by NAAC with 'A' Grade. Accredited by NBA)

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Department of Computer Science and Engineering

Students who joined from 2018-2019(R18)

Course Outcomes	Course Name: MATHEMATICS – I Course Code: MA101BS
CO 1	Write the matrix representation of a set of linear equations and to analyse the solution of the system of equations
CO 2	Find the Eigen values and Eigen vectors
CO 3	Reduce the quadratic form to canonical form using orthogonal transformations.
CO 4	Analyse the nature of sequence and series.
CO 5	Solve the applications on the mean value theorems.

Course Outcomes	Course Name: APPLIED PHYSICS Course Code: AP102BS
CO 1	The student would be able to learn the fundamental concepts on Quantum behaviour of matter in its micro state
CO 2	The knowledge of fundamentals of Semiconductor physics, Optoelectronics, Lasers and fibre optics enable the students to apply to various systems like communications, solar cell, photo cells and so on
CO 3	Design, characterization and study of properties of material help the students to prepare new materials for various engineering applications.
CO 4	The course also helps the students to be exposed to the phenomena of electromagnetism and also to have exposure on magnetic materials and dielectric materials.

Course Outcomes	Course Name: Programming for Problem Solving Course Code: CS203ES
CO 1	Build the algorithm for the given unsolved problems.

CO 2	Apply concepts of arrays structures,strings and pointers to find solutions to problems.
CO 3	Apply various preprocessor commands in a given different real time situations.
CO 4	Dissect a problem into sub functions to develop modular reusable code.
CO 5	Demonstrate various searching,sorting techniques along with complexity analysis.

Course Outcomes	Course Name: Programming for Problem Solving Lab Course Code: CS206ES
CO 1	Formulate The Algorithms for SimpleProblems.
CO 2	Translate the given algorithms to C program.
CO 3	Correct the logical errors found duringprogram execution.
CO 4	Make use of pointers in different types to modularize the code with functions.
CO 5	Apply the appropriate sorting techniques for the given list of elements.

Course Outcomes	Course Name: ENGINEERING GRAPHICS Course Code: ME104ES
CO 1	Apply the principles of engineering graphics to create engineering drawings of various geometric construction conic section, curves and scales as per BIS standards.
CO 2	Construct orthographic projections for points, lines and planes in different quadrants and auxiliary views.
CO 3	Draw the sectional views and true shape of sections of solids, by applying the principles of projections.
CO 4	Draw the development of surfaces and intersections of solids in real time situations
CO 5	Develop isometric and orthographic views of the objects

Course Outcomes	Course Name: ENVIRONMENTAL SCIENCE Course Code: *MC109ES
CO 1	know the characteristics of various components.
CO 2	understand the utilization of computer.
CO 3	design and analyze small signal amplifier circuits.
CO 4	design and analyze combinational and sequential circuits.
CO 5	know about the logic families and realization of logic states

Course Outcomes	Course Name: MATHEMATICS - I Course Code: MA201BS
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CO 1	Identify whether the given differential equation of first order is exact or not
CO 2	Solve higher differential equation and apply the concept of differential equation to real world problems
CO 3	Evaluate the multiple integrals and apply the concept to find areas, volumes, centre of mass and Gravity for cubes, sphere and rectangular parallelopiped
CO 4	Evaluate the line, surface and volume integrals and converting them from one to another

Course Outcomes	Course Name: CHEMISTRY Course Code: CH202BS
CO 1	The knowledge of atomic, molecular and electronic changes, band theory related to conductivity.
CO 2	The required principles and concepts of electrochemistry, corrosion and in understanding the problem of water and its treatments.
CO 3	The required skills to get clear concepts on basic spectroscopy and application to medical and other fields.
CO 4	The knowledge of configurational and conformational analysis of molecules and reaction mechanisms

Course Outcomes	Course Name: BASIC ELECTRICAL ENGINEERING Course Code: EE203ES
CO 1	To analyze and solve electrical circuits using network laws and theorems.
CO 2	To understand and analyze basic Electric and Magnetic circuits
CO 3	To study the working principles of Electrical Machines
CO 4	To introduce components of Low Voltage Electrical Installations

Course Outcomes	Course Name: ENGINEERING WORKSHOP Course Code: ME205ES
CO 1	Study and practice on machine tools and their operations
CO 2	Practice on manufacturing of components using workshop trades including plumbing, fitting, carpentry, foundry, house wiring and welding
CO 3	Identify and apply suitable tools for different trades of Engineering processes including drilling, material removing, measuring, chiseling.
CO 4	Apply basic electrical engineering knowledge for house wiring practice

Course Outcomes	Course Name: ENGLISH Course Code: EN205HS
CO 1	Use English Language effectively in spoken and written forms.
CO 2	Comprehend the given texts and respond appropriately.

CO 3	Communicate confidently in various contexts and different cultures.
CO 4	Acquire basic proficiency in English including reading and listening comprehension, writing and speaking skills

Course Outcomes	Course Name: ENGINEERING CHEMISTRY LAB Course Code: CH206ES
CO 1	Determination of parameters like hardness and chloride content in water.
CO 2	Estimation of rate constant of a reaction from concentration – time relationships.
CO 3	Determination of physical properties like adsorption and viscosity.
CO 4	Calculation of R _f values of some organic molecules by TLC technique.

Course Outcomes	Course Name: ENGINEERING CHEMISTRY LAB Course Code: CH206ES
CO 1	Determination of parameters like hardness and chloride content in water.
CO 2	Estimation of rate constant of a reaction from concentration – time relationships.
CO 3	Determination of physical properties like adsorption and viscosity.
CO 4	Calculation of R _f values of some organic molecules by TLC technique.

Course Outcomes	Course Name: ENGLISH LANGUAGE AND COMMUNICATION SKILLSLAB Course Code: EN207HS
CO 1	Better understanding of nuances of English language through audio- visual experience and group activities.
CO 2	Neutralization of accent for intelligibility by overcoming mother tongue influence.
CO 3	Develop the skill of using appropriate language in various speaking contexts.
CO 4	Understand how to use language to make formal presentations.
CO 5	Speaking skills with clarity and confidence which in turn enhances their inter personal skills.

Course Outcomes	Course Name: BASIC ELECTRICAL ENGINEERING LAB Course Code: EE208ES
CO 1	Get an exposure to basic electrical laws.
CO 2	Understand the response of different types of electrical circuits to different excitations.
CO 3	Understand the measurement, calculation and relation between the basic electrical parameters
CO 4	Understand the basic characteristics of transformers and electrical machines

Course Outcomes	Course Name: Analog and Digital Electronics Course Code: CS306ES
CO 1	Know the characteristics of various components.
CO 2	Understand the utilization of components
CO 3	Design and analyze small signal amplifier circuits
CO 4	Postulates of Boolean algebra and to minimize combinational functions
CO 5	Design and analyze combinational and sequential circuits

Course Outcomes	Course Name: Data Structures Course Code: CS302PC
CO1	Ability to select the data structures that efficiently model the information in a problem
CO2	Ability to assess efficiency trade-offs among different data structure implementations or combinations.
CO3	Implement and know the application of algorithms for sorting and pattern matching.
CO4	Design programs using a variety of data structures, including hash tables, binary and general tree structures, search trees, tries, heaps, graphs, and AVL-trees.

Course Outcomes	Course Name: Computer Oriented Statistical Methods Course Code: MA303BS
CO1	Make use of concepts of probability and distributions to given case studies.
CO2	Calculate the Mean, Variance and covariance of given discrete random variable.
CO3	Apply the concept of Uniform Distributions to find out continuous distribution values.
CO4	Estimate the of test of hypothesis to take decision for profit or loss in a given problem.
CO5	Describe stochastic principles to simplify processes that satisfy Markov Property.

Course Outcomes	Course Name: Computer Organization and Architecture Course Code: CS304PC
CO1	Understand the basics of instructions sets and their impact on processor design
CO2	Demonstrate an understanding of the design of the functional units of a digital computer system.
CO3	Evaluate cost performance and design trade-offs in designing and constructing a computer processor including memory.
CO4	Design a pipeline for consistent execution of instructions with minimum hazard

CO5	Recognize and manipulate representations of numbers stored in digital computers
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Course Outcomes	Course Name: Object Oriented Programming using C++ Course Code: CS305PC
CO1	Identify the object-oriented programming approach with respect to C++.
CO2	Apply the concepts of classes for data abstraction for the given set of programs.
CO3	Apply the concepts of classes for data abstraction for the given set of programs.
CO4	Construct the programs by using Input/output streams.
CO5	Discover the exceptions handling process in object oriented programming.

Course Outcomes	Course Name: Analog and Digital Electronics Lab Course Code: CS306ES
CO1	Know the characteristics of various components.
CO2	Understand the utilization of components
CO3	Design and analyze small signal amplifier circuits
CO4	Postulates of Boolean algebra and to minimize combinational functions
CO5	Design and analyze combinational and sequential circuits

Course Outcomes	Course Name: Data Structures Lab Course Code: CS307PC
CO1	Ability to develop C programs for computing and real-life applications using basic elements like control statements, arrays, functions, pointers and strings, and data structures like stacks, queues and linked lists.
CO2	Ability to Implement searching and sorting algorithms
CO3	Able to implement data structures such as stacks, queues, Search trees, and hash tables to solve various computing problems
CO4	Able to implement Pattern Matching Algorithms like Brute Force Algorithm, Boyer-Moore Algorithm, Knuth-Morris-Pratt Algorithm.
CO5	Able to implement Tries: Standard Tries, Compressed Tries, Suffix Tries

Course Outcomes	Course Name: Workshop Lab Course Code: CS308PC
CO1	The student will gain knowledge of computer assembling and software installation.
CO2	The student will gain knowledge to solve the trouble shooting problems.
CO3	The student will learn the tools for preparation of PPT, documentation and budget sheet etc.
CO4	The student will do the practical exercise in carpentry and fitting

CO5	The student will do the practical exercise in tin-Smithy and Development of jobs carried out and soldering.
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Course Outcomes	Course Name: C++ Programming Lab Course Code: CS309PC
CO1	CO1: Ability to develop programming solutions for a range of problems using object-oriented programming techniques.
CO2	CO2:Apply the concepts of classes for data abstraction for the given set of programs.
CO3	CO3: Build the learned knowledge of polymorphism for the given set of problems.
CO4	CO4:Construct the programs by using Input/output streams.
CO5	CO5:Demonstrate the exceptions handling process in object-oriented programming.

Course Outcomes	Course Name: Gender Sensitization Lab Course Code: *MC309
CO1	The gender today occupies some space both in national and international policy matters.
CO2	The introduction of course on gender indicates that the government recognizes the importance of women in society.
CO3	Many of us understand gender as issue concerning women and their rights
CO4	An ability to safeguard women's rights to ensure gender justice
CO5	The struggle of woman to reclaim their sense of being and dignity.

Course Outcomes	Course Name: Discrete Mathematics Course Code: CS401PC
CO1	Ability to understand and construct precise mathematical proofs
CO2	Ability to use logic and set theory to formulate precise statements
CO3	Ability to analyze and solve counting problems on finite and discrete structures
CO4	Ability to describe and manipulate sequences
CO5	Ability to apply graph theory in solving computing problems

Course Outcomes	Course Name: Business Economics & Financial Analysis Course Code: SM402MS
CO1	The students will understand the various Forms of Business and the impact of economic variables on the Business. The Demand, Supply, Production, Cost, Market Structure, Pricing aspects are learnt. The Students can study the firm's financial position by analyzing the Financial Statements of a Company.
CO2	Student gets familiar with cost analysis, market form of business, organization capital budgeting and financial accounting and financial analysis
CO3	The students understand the market dynamics, demand forecasting, elasticity of demand and supply, pricing methods and pricing indifferent

CO4	The students gain knowledge on market structures, an sight into how production is carried out to achieve, least cost combination of inputs and cost analysis.
CO5	The student will be able to develop an understand capital budgeting decision making

Course Outcomes	Course Name: Operating Systems CS403PC	Course Code:
CO1	Will be able to control access to a computer and the files that may be shared	
CO2	Demonstrate the knowledge of the components of computer and their respective roles in computing.	
CO3	Ability to recognize and resolve user problems with standard operating environments	
CO4	Gain practical knowledge of how programming languages, operating systems, and architectures interact and how to use each effectively.	
CO5	Understand deadlocks and familiar with different protection mechanisms	

Course Outcomes	Course Name: Database Management Systems CS404PC	Course Code:
CO1	Gain knowledge of fundamentals of DBMS, database design and normal forms	
CO2	Master the basics of SQL for retrieval and management of data.	
CO3	Be acquainted with the basics of transaction processing and concurrency control	
CO4	Familiarity with database storage structures and access techniques	
CO5	Able to manage the data by using hashing hashing techniques.	

Course Outcomes	Course Name: Java Programming CS405PC	Course Code:
CO1	Able to solve real world problems using OOP techniques	
CO2	Able to understand the use of abstract classes.	
CO3	Able to solve problems using java collection framework and I/o classes.	
CO4	Able to develop multithreaded applications with synchronization	
CO5	Able to develop applets for web applications	

Course Outcomes	Course Name: Operating Systems Lab CS406PC	Course Code:
CO1	Simulate and implement operating system concepts such as scheduling, deadlock management, file management and memory management.	

CO2	Able to implement C programs using Unix system calls
CO3	Be capable to Design and build a GUI application
CO4	Apply the normalization techniques for development of application software to realistic problems
CO5	Ability to formulate queries using SQL DML/DDDL/DCL commands

Course Outcomes	Course Name: Database Management Systems Lab Course Code: CS407PC
CO1	Design database schema for a given application and apply normalization
CO2	Acquire skills in using SQL commands for data definition and data manipulation.
CO3	Develop solutions for database applications using procedures, cursors and triggers
CO4	Ability to design and implement a database schema for given problem data
CO5	Be capable to Design and build a GUI application

Course Outcomes	Course Name: Java Programming Lab Course Code: CS408PC
CO1	Able to write programs for solving real world problems using java collection frame work.
CO2	Able to write programs using abstract classes
CO3	Able to write multithreaded programs.
CO4	Able to write GUI programs using swing controls in Java.
CO5	Able to develop applets for web applications

Course Outcomes	Course Name: Constitution of India Course Code: *MC409
CO1	Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics
CO2	Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India.
CO3	Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution
CO4	Discuss the passage of the Hindu Code Bill of 1956.
CO5	Understand about fundamental rights under constitution of India

Course Outcomes	Course Name: Formal Languages & Automata Theory Course Code: CS501PC
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CO1	Make use of the concept of automata and to recognize the appropriate languages.
CO2	Model finite state machine for the given regular expression and languages
CO3	Construct context free grammars for any given formal languages
CO4	Construct Turing machine for the given grammar
CO5	Distinguish between decidability and undesirability

Course Outcomes	Course Name: Software Engineering CS502PC	Course Code:
CO1	Make use of the basic software engineering methods and process models.	
CO2	Identify the different requirements, requirement engineering process and system models.	
CO3	Analyze the software architectural styles, conceptual model of UML diagrams for software developing life cycle.	
CO4	Choose different testing strategies and product metrics to verify the software quality.	
CO5	Apply the various approaches in risk management and quality management for the software quality assurance	

Course Outcomes	Course Name: Computer Networks	Course Code: CS503PC
CO1	Demonstrate the concepts of Data communication procedures and various models ofNetworking	
CO2	SummarizethefeaturesofvariousprotocolsusedinDataLinkLayer.	
CO3	Identifyappropriateroutingalgorithmfor broadcastinginNetworkLayer.	
CO4	DemonstratetheservicesandfeaturesofTCP/UDPprotocolsinTransportLayer.	
CO5	Summarize the services and features of Application Layer with respect toWorld WideWebdeform the source code of a novel language.	

Course Outcomes	Course Name: Web Technologies Course Code: CS504PC
CO1	Apply the concepts of HTML and PHP in creating web pages and connecting to database (My SQL)
CO2	Apply the concepts of XML for structuring the web pages.
CO3	Make use of Servlets to create dynamic web pages in client-server architecture.
CO4	Make use of JSP to develop interactive web pages.
CO5	Apply the techniques of Java script in client-side scripting

Course Outcomes	Course Name: Professional Elective-I(PPL) Course Code: CS515PE
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CO1	Understanding basic purpose of profession, professional ethics and various moral and social issues.
CO2	Awareness of professional rights and responsibilities of a Engineer, safety and risk benefit analysis of a Engineer
CO3	Acquiring knowledge of various roles of Engineer in applying ethical principles at various professional levels
CO4	Professional Ethical values and contemporary issues
CO5	Excelling in competitive and challenging environment to contribute to industrial growth.

Course Outcomes	Course Name: Professional Elective -II(DD) Course Code: CS524PE
CO1	Understand the Distributed Database Architecture and Design
CO2	Understand the Distributed query Processing and Optimization
CO3	Acquiring knowledge of Transaction Management in DDBMS
CO4	understand the Distributed DBMS Reliability and Parallel Database Systems:
CO5	Know the fundamental concepts of Distributed object Database Management Systems

Course Outcomes	Course Name: Software Engineering Lab Course Code: CS505PC
CO1	Design and develop the best test strategies in accordance to the development model.
CO2	Design GUI checkpoint single & multiple objects.
CO3	Design GUI checkpoint for Object/window.
CO4	Design data driven batch.
CO5	Implementation of interrupt execution.

Course Outcomes	Computer Networks & Web Technologies Lab Course Code: CS506PC
CO1	Implement data link layer framing methods
CO2	Analyze error detection and error correction codes.
CO3	Implement and analyze routing and congestion issues in network design.
CO4	Implement Encoding and Decoding techniques used in presentation layer
CO5	To be able to work with different network tools

Course Outcomes	Course Name: Advanced Communication Skills Lab Course Code: EN508HS
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CO1	Develop LSRW skills and soft skills.
CO2	Demonstrate the nuances of language through group activities and oral presentations.
CO3	Build written communication skills to meet the needs of their academics and career endeavors.
CO4	Take part in interviews with confidence thereby enhancing their employability skills.
CO5	Choose appropriate language in their social and professional communication.

Course Outcomes	Course Name: Intellectual Property Rights *MC510	Course Code:
CO1	Define intellectual property and its importance in modern society	
CO2	Describe the historical and legal development of intellectual property	
CO3	Analyze the criteria for patent infringement and the remedies available for patent holders	
CO4	Discuss the fair use doctrine and other exceptions to copyright protection	
CO5	Explain the elements of trade secret protection and strategies for maintaining secrecy	

Course Outcomes	Course Name: Machine Learning	Course Code: CS601PC
CO1	Memorize the basics of Python programming.	
CO2	Implement modern notions in data analysis-oriented computing;	
CO3	Analyzing data sets using python programming.	
CO4	Be capable of confidently applying common Machine Learning algorithms in practice and implementing their own;	
CO5	Be capable of performing experiments in Machine Learning using real-world data	

Course Outcomes	Course Name: Compiler Design	Course Code: CS602P
CO1	Demonstrate the ability to design a compiler given a set of language features.	
CO2	Demonstrate the knowledge of patterns, tokens & regular expressions for lexical analysis.	
CO3	Acquire skills in using Lex tool &yacc tool for developing a scanner and parser.	
CO4	Design and implement LL and LR parsers	
CO5	Design algorithms to do code optimization in order to improve the performance of a program in terms of space and time complexity.	

Course Outcomes	Course Name: Design and Analysis of Algorithms	Course Code: CS603PC
CO1	Make use of divide and conquer methods for developing algorithms.	

CO2	Apply the concept of backtracking to solve the optimization problems.
CO3	Solve the optimization problems using dynamic programming methodology.
CO4	Solve the optimization problem by using Greedy method.
CO5	Solve the optimization problem by using branch and bound method and NP-Hard and NP- Complete for the given example problems.

Course Outcomes	Course Name: Professional Elective – III(STM) Course Code: CS615PE
CO1	Design and develop the path testing
CO2	Transaction Flow Testing.
CO3	Gain knowledge in Domain testing.
CO4	Summarize the State Graphs.
CO5	Analyze Graph Metrics & their applications.

Course Outcomes	Course Name: Open Elective-I(FIOT) Course Code: EC600OE
CO1	Able to understand the concept of abstract machines and their power to recognize the languages.
CO2	Able to employ finite state machines for modeling and solving computing problems.
CO3	Able to design context free grammars for formal languages.
CO4	Able to distinguish between decidability and undesirability.
CO5	Able to gain proficiency with mathematical tools and formal methods.

Course Outcomes	Course Name: Machine Learning Lab CS604PC	Course Code:
CO1	Memorize the basics of Python programming.	
CO2	Implement modern notions in data analysis-oriented computing;	
CO3	Analyzing data sets using python programming.	
CO4	Be capable of confidently applying common Machine Learning algorithms in practice and implementing their own;	
CO5	Be capable of performing experiments in Machine Learning using real-world data	

Course Outcomes	Course Name: Compiler Design Lab CS605PC	Course Code:
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CO1	Design and develop interactive and dynamic web applications using HTML, CSS, JavaScript and XML
CO2	Apply client-server principles to develop scalable and enterprise web applications.
CO3	Ability to design, develop, and implement a compiler for any language.
CO4	Able to use Lex and yacc tools for developing a scanner and a parser.
CO5	Able to design and implement LL and LR parsers.

Course Outcomes	Course Name: Professional Elective-III Lab(STM) Course Code: CS625PE
CO1	Design and develop the best test strategies in accordance to the development model.
CO2	Design GUI checkpoint single & multiple objects.
CO3	Design GUI checkpoint for Object/window.
CO4	Design data driven batch.
CO5	Implementation of interrupt execution.

Course Outcomes	Course Name: Environmental Science Course Code: *MC609
CO1	The student gains knowledge on ecosystems and natural resources
CO2	The student gains knowledge on biodiversity value and threats to it and biotic resources
CO3	The student gains knowledge about all kinds of environmental pollution and control
CO4	The student gains knowledge to get familiar with global environmental problems and global effect
CO5	The student gains knowledge on environmental impact assessment management plan, policy, legislation rules and regulation.

Course Outcomes	Course Name: Cryptography & Network Security Course Code: CS701PC
CO1	Student will be able to understand basic cryptographic algorithms, message and web authentication and security issues.
CO2	Ability to identify information system requirements for both of them such as client and server
CO3	Ability to understand the current legal issues towards information security.
CO4	Understand key management issues and algorithms
CO5	Ability to apply security principles in system design.

Course	Course Name: Data Mining Course Code: CS702PC
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Outcomes	
CO1	Ability to understand the types of the data to be mined and present a general classification of tasks and primitives to integrate a data mining system.
CO2	Apply pre-processing methods for any given raw data.
CO3	Extract interesting patterns from large amounts of data.
CO4	Discover the role played by data mining in various fields.
CO5	Choose and employ suitable data mining algorithms to build analytical applications

Course Outcomes	Course Name: Professional Elective -IV(CC) Course Code: CS714PE
CO1	To discuss the concepts of computing paradigm.
CO2	To memorize the virtualization and cloud computing concepts.
CO3	To get the knowledge of cloud computing architecture layer management.
CO4	To discuss the various service delivery models.
CO5	To describe the various cloud service providers.

Course Outcomes	Course Name: Professional Elective -V(SPPM) Course Code: CS725PE
CO1	Infer the concept of software process assessment and reference models.
CO2	To get knowledge of software economics, phases in the life cycle of software development, project organization, project control and process instrumentation.
CO3	To analyze the major and minor milestones, artifacts and metrics from management and technical perspective
CO4	To design and develop software product using conventional and modern principles of software project management
CO5	To analyze the case study and future project management.

Course Outcomes	Course Name: Open Elective - II(ES) Course Code: EC700OE
CO1	The student gains knowledge on ecosystems and natural resources
CO2	The student gains knowledge on biodiversity value and threats to it and biotic resources
CO3	The student gains knowledge about all kinds of environmental pollution and control
CO4	The student gains knowledge to get familiar with global environmental problems and global effect
CO5	The student gains knowledge on environmental impact assessment management plan, policy, legislation rules and regulation.

Course Outcomes	Course Name: Cryptography & Network Security Lab Course Code: CS703PC
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CO1	Understand the process of capturing Network traffic using tools (Ethereal, Wireshark, Tcpdump)
CO2	Implement Cryptographic algorithms in C/C++/Java
CO3	Understand Buffer Over Flow attacks, Intrusion Detection Systems and Honeypots.
CO4	Create applications in Client Server architecture.
CO5	Set up secure mail and web communication channels.

Course Outcomes	Course Name: Industrial Oriented Mini Project/ Summer Internship Course Code: CS704PC
CO1	Analyses the problem formulation and solution of the selected project.
CO2	Develop solutions for problems using modern tools for sustainable development.
CO3	Demonstrate ethical and professional sustainability while working in a team and communicate effectively for the benefit of the society.
CO4	Understand the engineering, finance and management principles.
CO5	Develop a software application or solution to complex engineering problem using modern tools

Course Outcomes	Course Name: Seminar Course Code: CS705PC
CO1	Identify recent technical topics from interested domains.
CO2	analyse the applicability of modern software tools and technology.
CO3	Develop Presentation and Communication skills.
CO4	Develop Technical report preparation skills.
CO5	The student will be able to distinguish opinions from researched claims.

Course Outcomes	Course Name: Project Stage – I Course Code: CS706PC
CO1	Analyses the problem formulation and solution of the selected project.
CO2	Develop solutions for problems using modern tools for sustainable development.
CO3	Demonstrate ethical and professional sustainability while working in a team and communicate effectively for the benefit of the society.
CO4	Understand the engineering, finance and management principles.
CO5	Develop a software application or solution to complex engineering problem using modern tools

Course Outcomes	Course Name: OrganizationalBehavior Course Code: SM801MS
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CO1	Upon the completion of the subject, the student will be able to analyses the behavior of individuals and groups in organizations in terms of the key factors that influence organizational behaviour.
CO2	Assess the potential effects of organizational level factors (such as structure, culture and change) on organizational behaviour.
CO3	Critically evaluate the potential effects of important developments in the external environment (such as globalization and advances in technology) on organizational behaviour.
CO4	Analyses organizational behavioural issues in the context of organizational behaviour theories, models and concepts.
CO5	Describe the different theories related to Individual behavior in the Organization

Course Outcomes	Course Name: Professional Elective - VI(HCI) Course Code: CS814PE
CO1	Ability to apply HCI and principles to interaction design.
CO2	Illustrate the disabled by designing non-traditional ways of interacting
CO3	Apply the cognitive psychology in the design of devices for interaction
CO4	Apply conventional and non-traditional user interface Paradigms
CO5	Describe how testing is applied in computer interaction

Course Outcomes	Course Name: Open Elective - III(TQM) Course Code: MT802OE
CO1	Understand the Basic concept of TQM
CO2	Learn the basic concepts of Customer Focus and Satisfaction Bench Marking
CO3	Understand how to Organizing for TQM
CO4	Learn about the The Cost of Quality
CO5	Learn about ISO 9000 and how to implement it in the working model

Course Outcomes	Course Name: Project Stage – II Course Code: CS802PC
CO1	Analyze the problem formulation and solution of the selected project.
CO2	Develop solutions for problems using modern tools for sustainable development.
CO3	Demonstrate ethical and professional sustainability while working in a team and communicate effectively for the benefit of the society.
CO4	Understand the engineering, finance and management principles.
CO5	Develop a software application or solution to complex engineering problem using modern tools

