



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi.
(An ISO 9001:2015 Certified Institution)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
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1. PROGRAM OUTCOMES - CSE

PO1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems
PO2	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences
PO3	Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation
PO5	Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.


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2. PROGRAM SPECIFIC OUTCOMES - CSE

PSO1	Ability to apply programming and interpersonal skills to implement various algorithms for complex engineering problems.
PSO2	Ability to design effective solutions for real time problems of both industry and society using cutting edge technologies.

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3. LIST OF COURSE OUTCOMES (2013 REGULATION) - CSE

S.No	Course Outcome
C101-HS6151/TECHNICAL ENGLISH-I	
C101.1	Speak appropriately using communicative strategies.
C101.2	Write coherently and flawlessly using a wide diction.
C101.3	Read different genres of texts adopting various reading strategies.
C101.4	Comprehend different spoken discourses in different accents.
C101.5	Communicate confidently in group and to larger audience.
C102-MA65151/MATHEMATICS-1	
C102.1	Utilize the matrix algebra techniques for engineering practical applications.
C102.2	Familiarize in the converges, diverges of infinite series.
C102.3	Disseminate the evolutes and envelopes of a given curves by means of radius and centre of curvature
C102.4	Discuss the maxima and minima value for functions of two variables
C102.5	Compute the area of plain curves and volume of solid using double and triple Integrals
C103-PH6151/ENGINEERING PHYSICS-I	
C103.1	Discuss various crystal structures and different crystal growth techniques
C103.2	Demonstrate the properties of elasticity and heat transfer through objects
C103.3	Explain black body radiation, properties of matter waves and Schrodinger wave Equations
C103.4	Illustrate the acoustic requirements, production and application of ultrasonic.
C103.5	Examine the characteristics of laser and optical fiber
C104-CY6151/ENGINEERING CHEMISTRY-I	
C104.1	Classify polymers and their utility in the industries and describe the techniques of polymerization and properties of polymers
C104.2	Relate various thermodynamic functions such as enthalpy, entropy, free energy and their importance and equilibrium constant and its significance
C104.3	Explain the photo physical processes such as fluorescence and phosphorescence and various components of UV and IR spectrophotometer
C104.4	Illustrate the phase transitions of one component and two component systems and the types of alloys and their applications in industries
C104.5	Outline the synthesis, characteristics and the applications of nano materials

C105-GE6151/COMPUTER PROGRAMMING	
C105.1	Demonstrate algorithm, flowchart for various programs
C105.2	Do simple programs using C programming basics
C105.3	Illustrate programs by using arrays and string functions
C105.4	Develop simple programs using functions and pointers
C105.5	Design mini projects with structures.
C105.6	Develop applications using C Programming Language
C106-GE5152/ENGINEERING GRAPHICS	
C106.1	Construct engineering curves
C106.2	Sketch all the views of engineering objects in free hand.
C106.3	Draw the projection of points, lines and planes.
C106.4	Draw the projection of solids in any orientation.
C106.5	Develop the section and lateral surfaces of sectioned solids
C106.6	Sketch the solids in perspective and isometric approaches
C107-GE6161/COMPUTER PRACTICES LABORATORY	
C107.1	Prepare data using MS office for Presentation and Visualization
C107.2	Analyze the Problems and design using Flow-chart.
C107.3	Solve Problems using decision making and looping Statements.
C107.4	Use Arrays, Structures & Unions in problem solving.
C107.5	Problem solving using C programs
C108-GE6162/ENGINEERING GRAPHICS LABORATORY	
C108.1	Construct engineering curves
C108.2	Sketch all the views of engineering objects in free hand.
C108.3	Draw the projection of points, lines and planes.
C108.4	Draw the projection of solids in any orientation.
C108.5	Develop the section and lateral surfaces of sectioned solids
C108.6	Sketch the solids in perspective and isometric approaches

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C109-GE6163-PHYSICS AND CHEMISTRY LABORATORY	
C109.1	The student will be able to analyze the physical principle involved in the various instruments, also relate the principle to new application.
C109.2	The various experiments in the areas of elasticity, optics, mechanics and thermal physics will nurture the students in all branches of Engineering.
C109.3	The students will be able to think innovatively and also improve the creative skills that are essential for engineering.
C201-HS6251/TECHNICAL ENGLISH-II	
C201.1	Speak appropriately using communicative strategies.
C201.2	Write coherently and flawlessly using a wide diction.
C201.3	Read different genres of texts adopting various reading strategies.
C201.4	Comprehend different spoken discourses in different accents.
C201.5	Communicate confidently in group and to larger audience.
C202-MA6251/MATHEMATICS-II	
C202.1	Comprehend the concept of vector differentiation and integration.
C202.2	Ability to apply the concepts of ordinary differentiation equations in various applications
C202.3	Enable to use the unit step input functions to solve the periodic functions and ODE applying inverse Laplace transforms.
C202.4	Apply the concept and consequences of analyticity and the Cauchy-Riemann equations and of results on harmonic and entire functions
C202.5	Capable to Symbolize functions as Taylor, Laurent series, classify singularities and poles, find residues and evaluate complex integrals using the residue theorem.
C203-PH6251/ENGINEERING PHYSICS-II	
C203.1	Illustrate Classical and Quantum free electron theory & calculate carrier concentration in metals.
C203.2	Describe the carrier concentration in semiconductors and identify the P-type & N-
C203.3	Classify the different types of magnetic and superconducting materials
C203.4	Explain the dielectrics, types of polarization, losses and breakdowns
C203.5	Discuss the properties, preparation and applications of Metallic Alloys, SMA, Nanomaterials, NLO, Biomaterials

204-CY6251-ENGINEERING CHEMISTRY-II	
C204.1	Explain the problems of using hard water in boilers and methods of treatment of water for boiler use.
C204.2	Design the electro chemical cells and to identify the types of corrosion and the methods of preventing corrosion
C204.3	Illustrate the methods of harnessing energy from non-conventional energy sources
C204.4	Classify various engineering materials and their importance in industries
C204.5	Relate the significance of solid, liquid and gaseous fuels and to calculate the calorific values of fuels and the requirement of air for combustion in furnaces.
C205-CS6201/DIGITAL PRINCIPLES AND SYSTEM DESIGN	
C205.1	Simplify Boolean functions using K map and Tabulation method
C205.2	Analyze and design combinational circuits.
C205.3	Implement analyze and design procedure for synchronous and asynchronous sequential circuits
C205.4	Implement designs using Programmable Logic Devices.
C205.5	Develop HDL Code for Programmable Devices
C205.6	Simulate and implement combinational and sequential circuits using VHDL
C206-CS6202-PROGRAMMING AND DATASTRUCTURES-I	
C206.1	Write simple programs using basic concepts of C.
C206.2	Design programs with derived data type and files.
C206.3	Solve the problem by applying appropriate linear data structures.
C206.4	Find solutions to various problems using FIFO & LIFO.
C206.5	Apply various sorting and searching algorithms to solve problems.
C206.6	Use various hashing techniques for problem solving.
C207-GE6262/PHYSICS AND CHEMISTRY LABORATORY-II	
C207.1	The student will be able to analyze the Science concept involved in the various instruments related to the impact of new application.
C207.2	The various experiments in the areas of optics, mechanics and thermal physics will nurture the students in all branches of Engineering.
C207.3	The students will be able to think innovatively and also improve the creative skills that are essential for engineering.
CS208-CS6211/DIGITAL LABORATORY	
C208.1	Apply Boolean simplification techniques to construct combinational logic circuits
C208.2	Build combinational logic circuits to perform arithmetic operations.
C208.3	Construct Sequential logic circuits to perform Count & Shift operations.
C208.4	Implement sequential circuits like registers and counters
C208.5	Develop HDL Code to model Combinational & Sequential logics.
C208.6	Develop a simple digital system.
C209-CS6212/PROGRAMMING AND DATASTRUCTURES LABORATORY	
C209.1	Write simple programs with fundamental concepts of C.
C209.2	Develop programs using files and derived data type.
C209.3	Design the program for implementing linear data structures.
C209.4	Solve problems by applying the concept of LIFO.
C209.5	Develop various sorting programs.
C209.6	Write searching programs for problem solving.

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C301-MA6351/TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS	
C301.1	To understand the basic properties of Standard Partial Differential Equations. Apply the Fundamental concept of Partial Differential Equations.
C301.2	To develop Fourier Series for different types of functions.
C301.3	Find the solutions of the heat equation, wave equation and the Laplace equation subject to boundary conditions
C301.4	To solve the Problems using Fourier Transforms and its inverse Transforms.
C301.5	Have knowledge in Z- transform and inverse transform of simple functions, properties, various related theorems and application to differential equations with constant coefficients.
C302-CS6301/PROGRAMMING AND DATASTRUCTURES-II	
C302.1	Have the hands on knowledge on the fundamentals object oriented programming
C302.2	Create the programs by implementing the basic concepts of OOPS such as Data Abstraction, Encapsulation and Inheritance
C302.3	Manage the errors that are generated by the systems and End users.
C302.4	Summarize about tree preliminaries and other tree structures
C302.5	Demonstrate different graph data structure algorithms to see the flow of computation
C303-CS6302/DATABASE MANAGEMENT SYSTEM	
C303.1	Illustrate the database design for applications.
C303.2	Make use of ER diagram and normalization techniques in database application
C303.3	Apply concurrency control & recovery mechanism for database problems.
C303.4	Apply the various concepts in query processing.
C303.5	Compare various storage techniques in database.
C304-CS6303/COMPUTER ARCHITECTURE	
C304.1	Able to identify the hardware blocks, instructions set & addressing mode
C304.2	Solving the architecture related problems using arithmetic operations
C304.3	The performance of a computer system can be calculated using various metrics
C304.4	To detect pipeline hazards and identify possible solutions to those hazards.
C304.5	Overcome the challenges of parallelism and its classifications.
C304.6	Understand the basic concepts of memory and I/O Systems
C305-CS6304-ANALOG AND DIGITAL COMMUNICATION	
C305.1	Illustrate analog communication techniques
C305.2	Explain digital communication techniques
C305.3	Illustrate data and pulse communication techniques
C305.4	Make use of various error control coding techniques to identify/correct errors
C305.5	Outline multi-user radio communication
C305.6	Illustrate different types of noise and its calculation.
C306-GE6351/ENVIRONMENTAL SCIENCE AND ENGINEERING	
C306.1	Understand the values, threats and conservation of biodiversity and classify various Eco systems.
C306.2	Identify and implement technological and eco solutions to environmental problems
C306.3	Develop the knowledge on various natural resources, their causes and their effects
C306.4	Understand various environmental acts and disaster management.
C306.5	Relate population and environment and the role of IT in environment and human health.
C306.6	Analyze the impact of environment integrated themes and social issues.

C307- CS6311/ PROGRAMMING AND DATA STRUCTURE LABORATORY II	
C307.1	Write simple programs using basic concepts of C++.
C307.2	Develop programs using Inheritance and Polymorphism.
C307.3	Design programs for implementing Virtual functions, Exception handling and Templates.
C307.4	Build programs to implement the concept of Binary search Tree and traversals.
C307.5	Solve problems with applications of Graphs.
C307.6	Apply the concepts of Linear Data Structures for problem solving.
C308- CS6312/ DATABASE MANAGEMENT SYSTEMS LABORATORY	
C308.1	Infer database language commands to create simple database
C308.2	Analyze the database using queries to retrieve records
C308.3	Applying PL/SQL for processing database
C308.4	Analyze front end tools to design forms, reports and menus
C308.5	Develop solutions using database concepts for real time requirements.
C401-MA6453/ PROBABILITY AND QUEUEING THEORY	
C401.1	Analyze random or unpredictable experiments and investigate important features of random experiments
C401.2	Associate random variables by designing joint distributions and correlate the random variables.
C401.3	Know about random processes, in particular about Markov chains which have applications in engineering.
C401.4	Identify the queuing model in the given system, find the performance measures and analyse the result
C401.5	To learn how to analyze a network of queues with Poisson external arrivals, exponential service requirements and independent routing. (Jackson networks)
C402-CS6551/ COMPUTER NETWORKS	
C402.1	To erect different types of networks.
C402.2	Comprehend the functionality of each layer for a given application.
C402.3	Identify the concept for routing problems.
C402.4	Understand the flow of information from one network to another network
C402.5	Trace out the application layer.
C402.6	Analyze various routing algorithms
C403-CS6401/ OPERATING SYSTEMS	
C403.1	Able to understand the basic concepts and functions of Operating Systems
C403.2	Delineate various threading models, process synchronization and deadlocks
C403.3	Compare the performance of various CPU scheduling algorithms
C403.4	Understand the basic concepts of memory management systems
C403.5	Expound I/O management and file systems
C403.6	Understand the model of Linux multifunction server and utilize local network services
C404-CS6402/ DESIGN AND ANALYSIS OF ALGORITHMS	
C404.1	Interpret the fundamental needs of algorithms in problem solving
C404.2	Classify the different algorithm design techniques for problem solving
C404.3	Develop algorithms for various computing problems
C404.4	Analyze the time and space complexity of various algorithms
C404.5	Identify the limitations of algorithms in problem solving

C405-EC6504/ MICROPROCESSOR AND MICROCONTROLLER	
C405.1	Understand and execute programs based on 8086 microprocessor.
C405.2	Design Memory Interfacing circuits.
C405.3	Design and interface I/O circuits.
C405.4	Design and implement 8051 microcontroller based systems.
C405.5	Demonstrate the interfacing circuit in real system.
C405.6	Construct any system operation based on the knowledge using microprocessor and microcontroller
C406-CS6403/ SOFTWARE ENGINEERING	
C406.1	Explain the software engineering process and project management
C406.2	Demonstrate software requirements and analysis
C406.3	Outline the software design process and user interface
C406.4	Compare and contrast various software testing
C406.5	Discuss about the software integration and project management
C407-CS6411/ NETWORKS LABORATORY	
C407.1	Demonstrate the socket program using TCP & UDP
C407.2	Develop simple applications using TCP & UDP
C407.3	Implement the various protocols
C407.4	Able to implement various routing algorithms
C407.5	Experiment with congestion control algorithm using network simulator
C408-CS6412/ MICROPROCESSOR AND MICROCONTROLLER LABORATORY	
C408.1	Write ALP Programmes for fixed and Floating Point and Arithmetic
C408.2	Interface different I/Os with processor
C408.3	Generate waveforms using Microprocessors
C408.4	Execute Programs in 8051
C408.5	Explain the difference between simulator and Emulator
C409-CS6413/ OPERATING SYSTEMS LABORATORY	
C409.1	Understand basic Unix commands & to compare the performance of various CPU scheduling algorithms
C409.2	Analyze deadlock avoidance and detection algorithms
C409.3	Able to implement the concept of semaphores
C409.4	Create processes and implement IPC
C409.5	Analyze the performance of the various page replacement algorithms and apply various file allocation strategies
C501-MA6566/ DISCRETE MATHEMATICS	
C501.1	Reformulate statements from common language to formal logic and apply the method of proofs to propositional and predicate calculus.
C501.2	Identify the structures on various levels in combinatorial analysis and generating functions
C501.3	Discuss various graph and its algorithms in computer programming.
C501.4	Demonstrate the examples of subgroups and normal subgroup and use the concepts of isomorphism and homomorphism for groups, rings.
C501.5	Exposed the concepts and properties of lattices and Boolean algebra in mathematical manner.

C502-CS6501/ INTERNET PROGRAMMING	
C502.1	Demonstrate how the real time logics are applied to java programs.
C502.2	Work on web and web applications using HTML and CSS
C502.3	Create an effective and dynamic web pages using JavaScript, Servlet and JSP
C502.4	Design and implement web pages in PHP and to present data in XML format
C502.5	Create web services using AJAX
C503-CS6502/ OBJECT ORIENTED ANALYSIS AND DESIGN	
C503.1	Able to implement OOAD concepts and various UML diagrams
C503.2	Appropriate design layout can be selected
C503.3	Domain models and conceptual classes can be illustrated
C503.4	Compare and contrast various testing techniques
C503.5	Implementation of patterns
C504-CS6503/ THEORY OF COMPUTATION	
C504.1	Design automata, convert the regular expression into minimized DFA and prove a language not regular.
C504.2	Build context free grammar for any language set and remove ambiguity
C504.3	Correlate the different types of automata to real world applications
C504.4	Design a turing machine to solve problems based on mathematical foundations and algorithmic principles.
C504.5	Identify the different computational problems and associated complexity
C504.6	Develop the principles in construction of software systems.
C505-CS6504/ COMPUTER GRAPHICS	
C505.1	Understand the concepts for programming in computer graphics.
C505.2	Implement two dimensional transformations and different types of clipping.
C505.3	Comprehend 3D computer graphics and projection.
C505.4	Illustrate basic illumination and color model.
C505.5	Carry out activities involving animation and realism.
C506-CS6511/ CASE TOOLS LABORATORY	
C506.1	Able to design and implement projects using OO concepts.
C506.2	Use the UML analysis and design diagrams.
C506.3	Apply appropriate design patterns.
C506.4	Compare and contrast various testing techniques
C506.5	Implement OOAD concepts and various UML diagrams
C507-CS6512/ INTERNET PROGRAMMING LABORATORY	
C507.1	Understand, analyze and apply the role of languages like HTML, XML, and JavaScript.
C507.2	analyze a web page and identify its elements and attributes
C507.3	Develop java program based on protocols like HTTP, SMTP, POP3 and FTP.
C507.4	Create dynamic web pages using Servlet and JSP.
C507.5	Obtain the knowledge on data manipulation in a web.
C508-CS6513/ COMPUTER GRAPHICS LABORATORY	
C508.1	Draw 2D and 3D objects
C508.2	Perform transformations and projections for 2D and 3D objects
C508.3	Manipulate a graphical object using clipping algorithms and viewing technique
C508.4	Use an image editing tool for image manipulation and enhancement
C508.5	Utilize the authoring tool to develop a 3D scene and to perform 2D animation

C601-CS6601/ DISTRIBUTED SYSTEMS	
C601.1	Identify the challenges and approaches in Distributed Systems
C601.2	Grasp the knowledge to apply network virtualization,RMI and RPC.
C601.3	Understand the distributed file systems and the naming conventions used.
C601.4	Apply locks ,concurrency control and synchronization in distributed systems.
C601.5	Express process migration and resource management techniques.
C602-IT6601/ MOBILE COMPUTING	
C602.1	Comprehend the basics of mobile Computing
C602.2	Express the functionality of Mobile IP and Transport Layer
C602.3	Classify different types of mobile telecommunication systems
C602.4	Implement Adhoc networks with routing protocols
C602.5	Use mobile operating systems in developing mobile applications
C602.6	Synthesize new knowledge in the area of mobile computing by using appropriate techniques.
C603-CS6660/ COMPILER DESIGN	
C603.1	Design and implement a prototype compiler to correct code.
C603.2	Diagnose the data flow anomalies.
C603.3	Work with debugger.
C603.4	Adapt parallel processing and architecture interface at runtime by customizing compilation process to application.
C603.5	Apply the various code optimization techniques.
C603.6	Use the different compiler construction tools for optimization of machine language.
C604-IT6502/ DIGITAL SIGNAL PROCESSING	
C604.1	The students will understand the fundamentals of discrete time signals, systems and their properties
C604.2	The students can able to apply DFT for the analysis of Digital signals and System.
C604.3	The students can able to Design any type of Filters and obtain its realization.
C604.4	The Students can able to know about frequency Transformation by using analog and digital Filters.
C604.5	Apply the basics of DSP on Communication systems in both time and frequency domain.
C604.6	To characterize the effect of finite precision representation on digital filters .
C605-CS6659/ ARTIFICIAL INTELLIGENCE	
C605.1	Identify problems that are amenable to solution by AI methods.
C605.2	Recognize appropriate AI methods to solve a given problem.
C605.3	Able to interpret the problem in the given logic.
C605.4	Implement basic AI algorithms.
C605.5	Assess critically the techniques presented and apply them to real world problems
C606-IT6702/ DATA WAREHOUSING AND DATA MINING	
C606.1	Understand Data Warehousing and Data Mining and its applications and challenges.
C606.2	Comprehend Data Cube Implementation and OLAP concepts
C606.3	Generate and evaluate Association patterns
C606.4	Solving problems using various Classification techniques

C606.5	Exhibit various clustering methods
C607-CS6611/ MOBILE APPLICATION DEVELOPMENT LABORATORY	
C607.1	Build a native application using GUI components and Mobile application development framework
C607.2	Develop an application using basic graphical primitives and databases
C607.3	Construct an application using multi threading and RSS feed
C607.4	Make use of location identification using GPS in an application
C607.5	Design and Implement various mobile applications using emulators.
C608-CS6612/ COMPILER LABORATORY	
C608.1	Design and implement a prototype compiler to correct code.
C608.2	Apply the various compiler optimization techniques.
C608.3	Use the different compiler construction tools for consistent and predictable optimization.
C608.4	Diagnose data flow anomalies
C608.5	work with debugger
C608.6	Adapt parallel processing and explore architecture interface by customizing compilation process to application
C609-GE6674/ COMMUNICATION AND SOFT SKILLS - LABORATORY	
C609.1	Take international examination such as IELTS and TOEFL
C609.2	Participate in Group Discussion
C609.3	Successfully answer questions in Interviews.
C609.4	Make effective Presentations.
C609.5	Participate confidently and appropriately in conversations both formal and informal
C701-CS6701/ CRYPTOGRAPHY AND NETWORK SECURITY	
C701.1	To explain the basics of number theory and compare the encryption techniques
C701.2	To Summarize the functionality of public key cryptography
C701.3	To apply the message authentication functions and secure algorithms for secure transactions
C701.4	To demonstrate and apply the security systems
C701.5	To discuss the different levels of security and services
C701.6	To transact and keep the information in a secured manner
C702-CS6702/ GRAPH THEORY AND APPLICATIONS	
C702.1	Describe computer programs in a formal mathematical manner.
C702.2	Classify precise and accurate mathematical definitions of objects in graph theory.
C702.3	Illustrate fundamentals of circuits, cutsets, network flows & graph .
C702.4	Outline Permutations and Combinations with generating function.
C702.5	Make use of theoretical knowledge and independent mathematical thinking in graph theory questions' investigation Reason from definitions to construct mathematical proofs.
C703-CS6703/ GRID AND CLOUD COMPUTING	
C703.1	Understand the concept of distributed computing.
C703.2	Apply grid computing techniques.
C703.3	Understand the concept of virtualization.

C703.4	Use grid and cloud tool kits to develop the applications.
C703.5	Apply the security models in the grid and cloud environment
C703.6	Design and develop a private cloud environment with security enhanced.
C704-CS6704/ RESOURCE MANAGEMENT TECHNIQUES	
C704.1	Formulate linear programming problem from a word problem and solve them graphically in 2-dimensions and linear programming by simplex method
C704.2	Trained to implement Duality and transportation problem Concept.
C704.3	Classify and formulate IPP and solve them with cutting plane method and Branch-bound methods
C704.4	Distinguish between the Concepts of Constrained and Unconstrained optimization problems
C704.5	Utilize Network Models and Project Management.
C705-IT6801/ SERVICE ORIENTED ARCHITECTURE	
C705.1	Infer the XML Schema, Name Space and Document Structure.
C705.2	Build Applications based on XML.
C705.3	Outline the SOA ethics and Service levels.
C705.4	Develop web service using technology elements.
C705.5	Build SOA based applications for intra and inter enterprise applications.
C706-IT6005/ DIGITAL IMAGE PROCESSING	
C706.1	Demonstrate how digital images are acquired, stored and relationship between pixels
C706.2	Apply image transformation, and image enhancement techniques.
C706.3	Remove noise from real-world imagery using a variety of filtering techniques in spatial and frequency domain
C706.4	Exploit image compression, and image segmentation techniques.
C706.5	Represent features of images.
C707-CS6711/ SECURITY LABORATORY	
C707.1	To apply the cryptographic algorithm for the secured data communication.
C707.2	Apply the knowledge of symmetric cryptography to implement simple ciphers
C707.3	Analyze and implement public key algorithms like RSA
C707.4	To utilize the open source tools for analyzing the network and to provide the security for the date.
C707.5	Apply and set up firewalls and intrusion detection systems using open source technologies and to explore email security.
C708-CS6712/ GRID AND CLOUD COMPUTING LABORATORY	
C708.1	Make use of the grid toolkit.
C708.2	Design and implement new grid applications on the grid.
C708.3	Make use of the cloud toolkit.
C708.4	Build cloud applications on cloud.
C708.5	Construct the applications according to the services.
C708.6	Develop a grid and cloud portal
C801-CS6801/ MULTI – CORE ARCHITECTURES AND PROGRAMMING	
C801.1	Understanding of parallel architectures and parallel programming models
C801.2	Comprehend the challenges in parallel programming
C801.3	Able to develop programs using Open MP



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C801.4	Competent to develop programs using MPI
C801.5	Proficient to compare and contrast programming for serial processors and parallel processors
C802-CS6008/ HUMAN COMPUTER INTERACTION	
C802.1	Describe the capabilities of both humans and computers
C802.2	Design effective dialog for HCI
C802.3	Identify the stake holder's requirements and choose the appropriate models.
C802.4	Develop mobile HCI using mobile elements and tools
C802.5	Widen significant user interface
C803-MG6088/ SOFTWARE PROJECT MANAGEMENT	
C803.1	Identify the project and perform project planning
C803.2	Estimate the budget for the project.
C803.3	Apply the management policies to control the delivered projects.
C803.4	Ability to manage people in an organization
C803.5	Understand levels of company in market
C804-CS6811/ PROJECT WORK	
C804.1	Identify and finalize problem statement by surveying variety of domains
C804.2	Perform requirement analysis and identify design methodologies
C804.3	Apply advanced programming techniques
C804.4	Present technical report by applying different visualization tools and Evaluation metrics

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4. CO - PO MAPPING SAMPLE - CSE (2013 REGULATION)

Course outcome	Program outcomes												PSO	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2
C304-CS6303/COMPUTER ARCHITECTURE														
C304.1	3	3	2	-	-	-	-	-	-	-	-	-	-	-
C304.2	3	3	2	-	-	-	-	-	-	-	-	-	3	-
C304.3	3	3	2	2	-	-	-	-	-	-	-	-	-	2
C304.4	3	3	2	2	-	-	-	-	-	-	-	-	3	2
C304.5	3	3	2	2	-	-	-	-	-	-	-	2	3	2
C304.6	3	3	2	-	-	-	-	-	-	-	-	-	3	2
AVG	3	3	2	2	-	-	-	-	-	-	-	2	3	2
C402-CS6551/ COMPUTER NETWORKS														
C402.1	3	3	3	-	-	-	-	-	-	-	-	-	2	2
C402.2	3	3	3	-	-	-	-	-	-	-	-	-	2	2
C402.3	3	3	3	-	-	-	-	-	-	-	-	-	2	3
C402.4	3	3	3	2	-	-	-	-	-	-	-	-	3	3
C402.5	3	3	3	2	-	-	-	-	-	-	-	-	3	3
C402.6	3	3	3	2	-	-	-	-	-	-	-	-	3	2
AVG	3	3	3	3	-	-	-	-	-	-	-	-	2.5	2.5
C504-CS6503/ THEORY OF COMPUTATION														
C504.1	3	3	2	2	-	-	-	-	-	-	-	-	3	2
C504.2	3	3	2	2	-	-	-	-	-	-	-	-	3	2
C504.3	3	3	-	2	-	-	-	-	-	-	-	-	3	2
C504.4	3	3	2	2	-	2	2	-	-	-	-	-	3	2
C504.5	3	3	-	2	-	2	-	-	-	-	-	-	3	2
C504.6	3	3	2	2	-	2	-	-	-	-	-	-	3	2
AVG	3	3	2	2	-	2	2	-	-	-	-	-	3	2
C602-IT6601/ MOBILE COMPUTING														
C602.1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
C602.2	3	3	-	-	-	-	-	-	-	-	-	-	-	-
C602.3	3	3	2	-	-	-	-	-	-	-	-	-	-	2
C602.4	3	3	2	2	-	2	-	-	-	-	-	-	3	2
C602.5	3	3	2	2	2	2	-	2	2	-	-	2	3	2
C602.6	3	3	2	2	2	2	2	-	-	-	-	2	3	2
AVG	3	3	2	2	2	3	2	2	2	-	-	2	3	2

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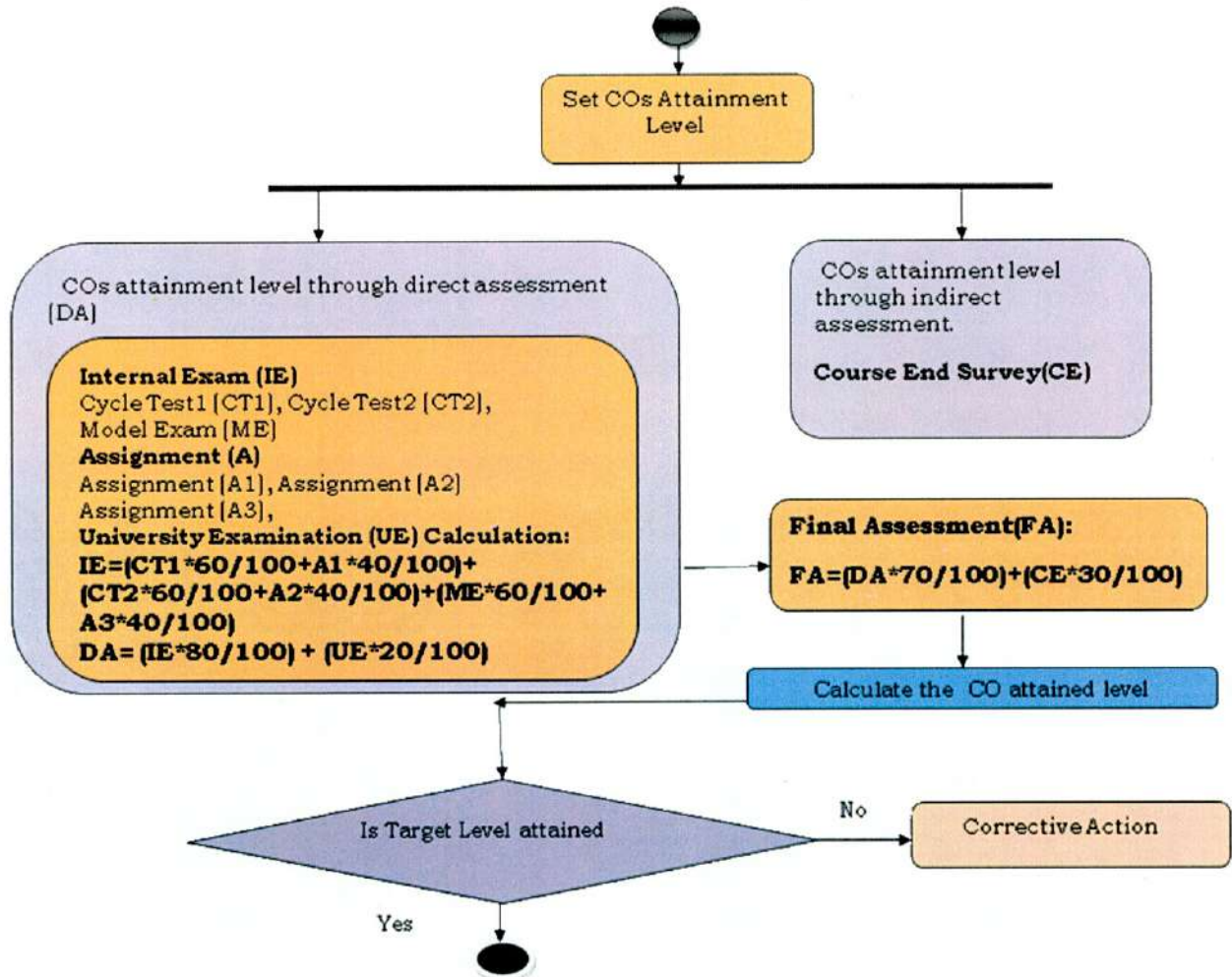
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C703-CS6703/ GRID AND CLOUD COMPUTING														
C703.1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
C703.2	3	3	2	2	-	2	-	-	-	-	-	-	3	2
C703.3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
C703.4	3	3	2	2	2	2	2	-	-	-	-	3	3	2
C703.5	3	3	2	2	-	-	2	-	-	-	-	-	3	2
C703.6	3	3	2	2	2	-	-	2	-	-	-	3	3	2
AVG	3	3	2	2	2	2	2	2	-	-	-	3	3	2
C802-CS6008/ HUMAN COMPUTER INTERACTION														
C802.1	3	2	3	-	-	-	-	-	-	-	-	-	-	3
C802.2	3	2	3	2	2	-	-	-	-	-	-	-	2	3
C802.3	3	2	3	2	-	-	-	2	-	2	-	-	-	3
C802.4	3	2	3	2	2	2	2	2	-	-	-	2	2	3
C802.5	3	2	3	2	2	2	-	2	-	-	-	2	2	3
AVG	3	2	3	2	2	2	2	2	-	-	-	2	2	3


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5. CALCULATION OF POS AND PSOS ATTAINMENT

CO Attainment Evaluation Process



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6. CO ATTAINMENT SAMPLE - CSE

CO Attainment Sample - CS6551-COMPUTER NETWORKS(2016-2020 BATCH)

COURSE ATTAINMENT

CO	CT1	CT2	ME	TOTAL INTERNAL MARK	UE	DIRECT ASSESSMENT (80% OF INTERNAL MARK & 20% OF UNIVERSITY EXAM)	INDIRECT ASSESSMENT	70% OF DIRECT ASSESSMENT & 30% OF INDIRECT ASSESSMENT	CO ATTAINMENT	ATTAINMENT LEVEL
CO1	3	-	3	3	3	3	3	3.0	3.0	3
CO2	0	-	3	1.5	3	1.8	3	2.2	2.2	2
CO3	-	3	2	2.5	3	2.6	3	2.7	2.7	3
CO4	-	2	3	2.5	3	2.6	3	2.7	2.7	3
CO5	-	-	3	3	3	3	3	3.0	3.0	3
CO6	-	-	3	3	3	3	3	3.0	3.0	3


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7. PO ATTAINMENT SAMPLE - CSE

PO Attainment Sample for Computer Networks

CS6551-COMPUTER NETWORKS(2016-2020 BATCH)

EVALUATION OF PO BASED ON DIRECT AND INDIRECT ASSESSMENT

CO	ATTAINMENT LEVEL	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
CO1	3	3	3	3										2	2
CO2	2	3	3	3										2	2
CO3	3	3	3	3										2	3
CO4	3	3	3	3	2									3	3
CO5	3	3	3	3	2									3	3
CO6	3	3	3	3	2									3	2
PO ATTAINMENT		2.8	2.8	2.8	3.0									2.9	2.9

PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
TARGET LEVEL	3	3	3	2									2.5	2.5
ATTAINED LEVEL	2.8	2.8	2.8	3.0									2.9	2.9

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**8. COURSEWISE OVERALL PO's AND PSO's ATTAINMENT - CSE
(2016-2020 BATCH)**

Course wise PO's AND PSO's Attainment

COURSES	PROGRAMME OUTCOMES												PSO	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2
SEMESTER-I														
C101-HS6151	2.6	1.73	0	0	0	1.73	1.73	1.73	1.73	2.6	0	1.73	2.6	1.73
C102-MA6151	2.75	2.75	1.83	1.83	1.83	0	0	0	0	0	0	1.83	2.75	2.75
C103-PH6151	2.96	1.97	2.96	2.96	1.97	1.97	1.97	0	0	0	0	2.96	2.96	1.97
C104-CY6151	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	0	0	0	1.91	1.91	1.91
C105-GE6151	2.4	2.4	1.6	0	0	0	0	0	0	0	0	0	2.4	2.4
C106-GE6152	2.29	1.53	2.29	0	0	0	0	0	0	0	0	0	2.29	1.53
C107-GE6161	2.18	2.18	1.45	0	0	0	0	0	0	0	0	0	2.18	2.18
C108-GE6162	3	2	3	0	0	0	0	0	0	0	0	0	3	2
C109-GE6163	3	3	2	0	2	0	0	0	0	0	0	2	3	3
SEMESTER-II														
C201-HS6251	2.07	1.38	0	0	0	1.38	1.38	1.38	1.38	2.07	0	1.38	0	1.38
C202-MA6251	2.71	2.71	2.71	1.81	1.81	0	0	0	0	0	0	1.81	0	1.81
C203-PH6251	2.29	1.53	2.29	2.29	1.53	1.53	1.53	0	1.53	2.29	0	2.29	0	1.53
C204-CY6251	1.51	1.51	1.51	1.51	1.51	1.51	1.51	0	1.51	0	0	1.51	0	2.26
C205-CS6201	2.07	2.07	0	1.38	1.38	2.07	2.07	1.38	0	0	0	2.07	0	2.07
C206-CS6202	2.69	2.69	2.69	0	0	0	0	0	0	0	0	0	2.69	1.79
C207-GE6262	3	3	2	0	2	0	0	0	0	0	0	2	3	0
C208-CS6211	3	3	2	2	0	0	2	0	0	0	0	0	0	3
C209-CS6212	2.2	2.2	2.2	0	0	0	0	0	0	0	0	0	2.2	1.47
SEMESTER-III														
C301-MA6351	2.75	1.83	2.75	1.83	1.83	0	0	0	0	0	0	1.83	0	2.75
C302-CS6301	2.18	2.18	1.45	1.45	1.45	0	0	0	0	0	0	1.45	2.18	2.18
C303-CS6302	2.33	1.55	2.33	0	0	0	0	0	0	0	0	0	1.55	1.55
C304-CS6303	2.25	2.25	1.5	1.5	0	0	0	0	0	0	0	1.5	2.25	1.5

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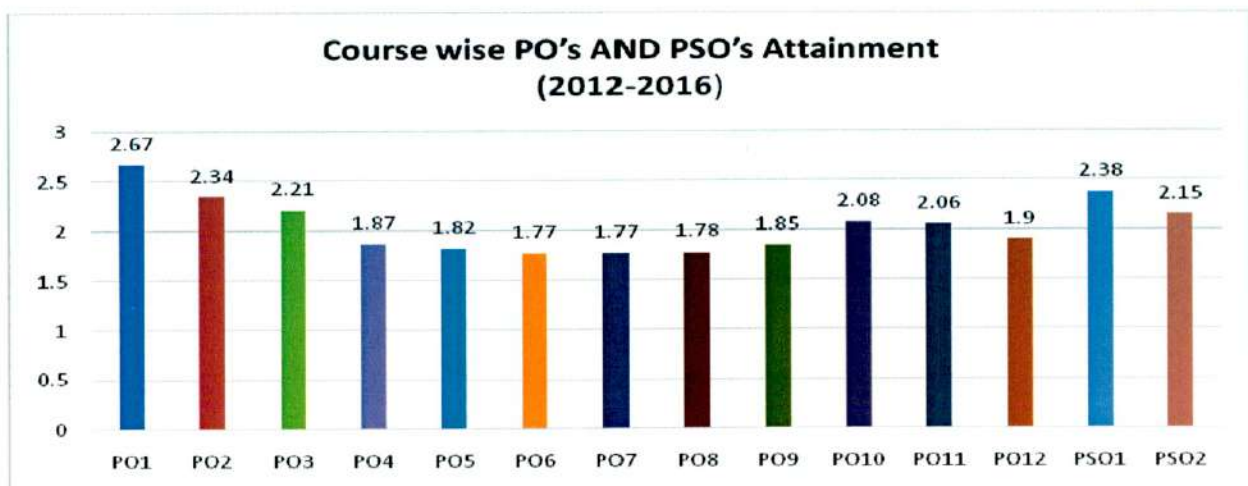
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C305-CS6304	2.44	1.63	1.63	1.63	0	1.63	0	0	1.63	1.63	0	2.44	1.63	1.63	
C306-GE6351	2.25	2.25	1.5	1.5	1.5	0	0	0	0	0	0	1.5	2.25	1.5	
C307-CS6311	2.2	2.2	2.2	0	0	0	0	0	0	0	0	0	2.2	1.47	
C308-CS6312	2.2	1.47	2.2	0	0	0	0	0	0	0	0	0	2.2	1.47	
SEMESTER-IV															
C401-MA6453	2.66	1.77	2.66	1.77	1.77	0	0	0	0	0	0	1.77	1.77	2.66	
C402-CS6551	2.8	2.8	2.8	3.0									2.9	2.9	
C403-CS6401	2.41	2.41	2.41	1.61	0	0	0	0	0	0	0	1.61	1.61	2.41	
C404-CS6402	2.75	2.75	1.83	1.83	0	0	0	0	0	0	0	0	2.75	1.83	
C405-EC6504	2.55	2.55	2.55	1.7	1.7	1.7	0	0	0	0	1.7	1.7	2.55	2.55	
C406-CS6403	2.58	2.58	1.72	1.72	0	1.7	2	2.58	1.72	1.72	1.72	2.58	0	0	1.72
C407-CS6411	3	3	2	0	0	0	0	0	0	0	0	0	3	2	
C408-CS6412	3	2	2	2	2	2	0	2	2	2	2	2	0	2	2
C409-CS6413	3	2	2	2	0	0	0	0	0	0	2	3	2	3	2
SEMESTER-V															
C501-MA6566	2.83	1.89	1.89	1.89	1.89	0	0	0	0	0	0	1.89	2.83	1.89	
C502-CS6501	2.5	1.67	2.5	1.67	1.67	0	0	0	0	0	0	0	1.67	2.5	
C503-CS6502	2.58	1.72	2.58	1.72	1.72	0	0	0	1.72	1.72	0	0	1.72	2.58	
C504-CS6503	2.29	2.29	1.53	1.53	0	0	0	0	0	0	0	0	2.29	1.53	
C505-CS6504	2.62	2.62	2.62	0	1.75	0	0	0	0	0	0	1.75	2.62	1.75	
C506-CS6511	3	3	2	2	2	0	0	0	2	2	2	0	2	3	
C507-CS6512	2.6	2.6	1.73	0	1.73	0	0	0	0	0	0	0	2.6	1.73	
C508-CS6513	2.2	2.2	1.47	0	1.47	0	0	0	0	0	0	1.47	2.2	1.47	
SEMESTER-VI															
C601-CS6601	2.62	1.75	2.62	1.75	1.75	0	0	0	0	0	0	1.75	1.75	2.62	
C602-IT6601	2.69	2.69	1.79	1.79	0	0	0	0	0	0	0	0	2.69	1.79	
C603-CS6660	2.69	2.69	1.79	1.79	0	0	0	0	0	0	0	0	2.69	1.79	
C604-IT6502	3	3	2	0	0	0	0	0	0	0	0	0	2	0	
C605-CS6659	2.31	2.31	1.54	1.54	0	1.54	1.54	1.54	1.54	0	0	1.54	2.31	2.31	
C606-IT6702	2.37	2.37	1.58	1.58	1.58	1.58	1.58	0	0	0	0	0	2.37	1.58	

C607-CS6611	2	3	2	0	2	2	2	0	2	2	0	2	2	2
C608-CS6612	3	3	2	2	0	0	0	0	0	0	0	0	3	2
C609-GE6674	2.2	1.47	1.47	1.47	2.2	1.47	1.47	1.47	2.2	2.2	0	1.47	1.47	2.2
SEMESTER-VII														
C701-CS6701	2.29	2.29	1.53	1.53	0	0	0	0	0	0	0	0	2.29	1.53
C702-CS6702	2.75	1.83	2.75	1.83	1.83	0	0	0	0	0	0	1.83	1.83	2.75
C703-CS6703	2.48	2.48	1.65	1.65	0	0	0	0	0	0	0	0	2.48	1.65
C704-CS6704	2.83	2.83	2.83	2.83	0	1.89	0	0	0	0	0	1.89	2.83	2.83
C705-IT6801	2.66	1.77	2.66	1.77	1.77	0	0	0	0	0	0	1.77	1.77	2.66
C706-IT6005	2.58	1.72	2.58	1.72	1.72	0	0	0	0	0	0	1.72	1.72	2.58
C707-CS6711	2.6	2.6	1.73	0	0	0	0	0	0	0	0	1.73	2.6	0
C708-CS6712	2.6	2.6	2.6	0	2.6	0	0	0	1.73	0	0	1.73	2.6	1.73
SEMESTER-VIII														
C801-CS6801	2.71	1.81	2.71	1.81	1.81	0	0	0	0	0	0	1.81	1.81	2.71
C802-CS6008	2.5	1.67	2.5	1.67	1.67	0	0	0	0	0	0	1.67	1.67	2.5
C803-MG6088	2.74	1.83	2.74	1.83	1.83	0	0	0	0	0	0	1.83	1.83	2.74
C804-CS6811	3	3	3	2	2	2	2	2	3	3	2	2	3	3
AVG/Direct	2.55	2.24	2.08	1.75	1.7	1.65	1.79	1.68	1.71	1.94	1.63	1.84	2.24	1.93
Indirect	2.94	2.58	2.52	2.15	2.11	2.06	1.72	2.02	2.16	2.42	3.05	2.05	2.71	2.67
70% Dir +30% ID	2.67	2.34	2.21	1.87	1.82	1.77	1.77	1.78	1.85	2.08	2.06	1.9	2.38	2.15



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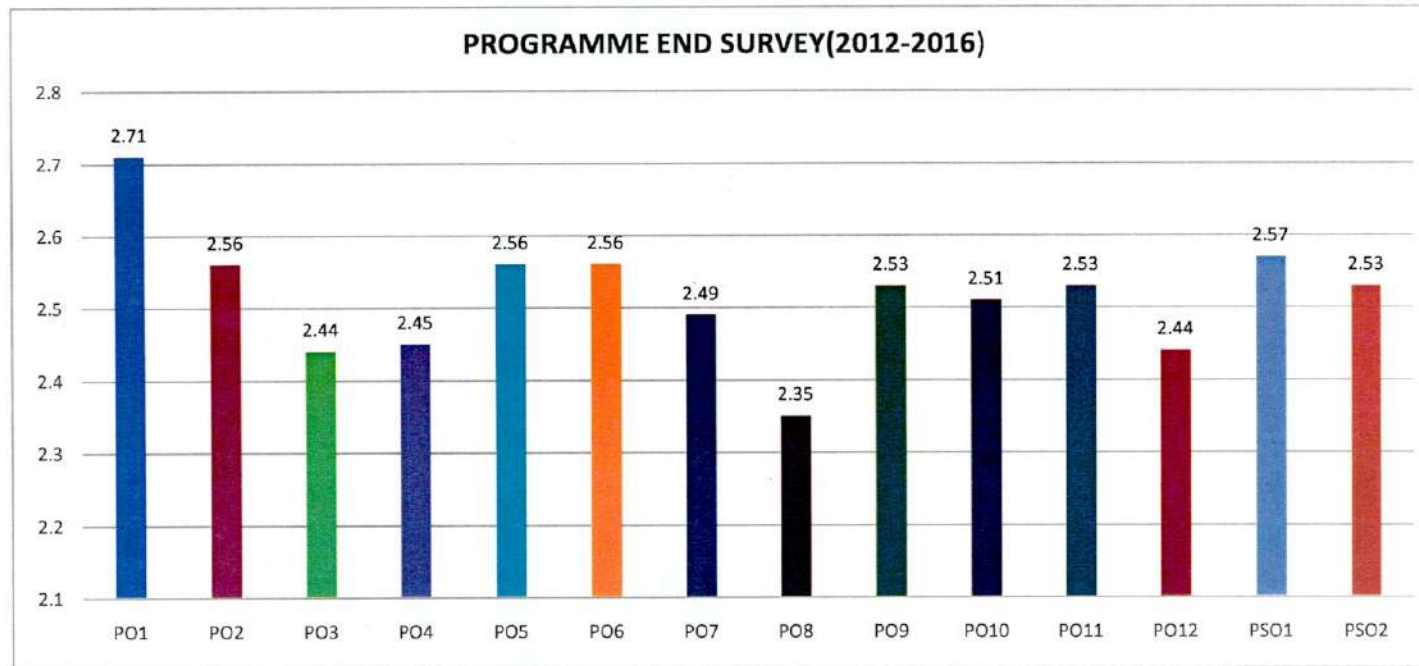
S.No	Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Aadhitya. B.R	3	3	2	2	3	2	3	2	2	3	2	2	2	2
2	Abdul Pathavu. S	3	3	2	3	3	2	3	3	3	2	3	3	2	3
3	Abinaya. R	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	Afsal Mohaideen. A	3	3	2	2	3	3	3	3	3	3	3	3	3	2
5	Aiswarya. S	3	2	2	3	2	3	2	2	3	2	3	3	2	2
6	Anbarasi. R	3	2	2	2	3	3	2	2	3	2	2	3	2	2
7	Aravind Kumar. R	2	3	2	3	2	2	2	2	3	2	2	3	3	2
8	Aravinth Kumar. S	2	3	2	2	2	3	2	3	3	3	2	3	2	3
9	Arockiamary. A	3	3	2	2	3	2	3	2	3	3	3	3	2	3
10	Arunpandi. P	2	3	2	2	2	3	2	3	2	2	3	3	2	3
11	Asick Raja. S	3	2	3	3	3	2	3	3	2	3	3	3	3	3
12	Asmitha. R	3	2	3	3	3	2	3	3	3	2	3	3	3	3
13	Backiasheela. A	3	3	3	3	3	2	3	2	3	3	3	2	2	2
14	Balakumar. M	3	3	2	2	3	3	3	2	3	2	3	3	3	3
15	Dawood Azar. S	3	3	2	2	2	3	3	2	3	2	2	3	2	2
16	Deenadhayalan. A	3	2	2	2	2	2	3	2	2	2	2	3	2	2
17	Deiva Balan. S	3	2	2	2	2	3	3	2	3	2	2	2	3	3
18	Geetha. G	2	2	3	2	2	3	2	2	3	2	2	2	3	2
19	Gomathi. S	3	2	3	2	3	3	2	2	3	2	2	3	2	3
20	Hari Krishnan. K	3	2	2	3	2	3	2	2	3	2	3	2	3	3
21	Hema Priya. R	3	2	2	3	3	2	3	2	3	3	2	2	2	2
22	Jasmine Shalini. B	2	3	2	3	3	2	3	2	3	2	3	3	3	3
23	Jayabharathi. D	2	3	3	2	2	3	2	3	2	2	3	2	3	2
24	Jenifer. S	3	2	2	3	3	2	3	2	2	3	3	2	2	2
25	Jenitha. S	3	3	2	2	3	3	2	2	3	3	2	2	2	2
26	Kannal. R	2	3	2	2	3	3	2	2	2	3	3	2	3	2
27	Karthik. K	3	2	2	3	3	3	3	2	2	2	2	3	3	3
28	Karthika. P	3	3	2	2	3	3	2	2	3	3	2	2	3	3
29	Kasthuri. A	2	3	3	2	2	2	3	2	3	3	2	2	3	2
30	Kayalvizhi. R	3	3	2	3	2	3	2	3	2	3	2	3	3	3
31	Lincy Priyadarshini. J	3	2	3	2	3	3	3	2	2	3	3	2	3	2
32	Manikandaprabhu. Y	2	3	3	2	3	2	3	2	2	2	3	2	3	2


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33	Manimaran. T	2	2	2	3	3	2	2	2	3	3	2	3	2	3
34	Manimozhi. S.R	3	2	2	3	2	3	2	3	3	2	3	2	2	3
35	Meenakshi. S	3	3	2	2	3	3	2	2	2	3	3	2	3	2
36	Mohamed Marzook. H	3	3	3	2	3	3	2	3	2	2	2	3	3	2
37	Mohana Priya. M	3	2	3	2	3	2	3	2	3	2	3	3	3	2
38	Muneeswari. S	3	2	3	3	2	3	2	3	2	3	3	2	3	3
39	Nirmal Kumar. G	3	3	2	3	2	3	2	3	2	3	3	2	2	3
40	Nirosha. S	2	3	2	3	3	3	3	2	2	2	3	2	3	3
41	Praveen. VS	3	3	3	2	2	2	2	3	3	3	3	2	2	2
42	Pricilla Merlin Rupavathi. D	2	2	2	3	2	2	3	2	3	3	2	3	3	3
43	Priyanka. P	3	3	2	3	2	3	3	3	2	3	3	2	2	2
44	Raja. V	3	2	3	3	2	3	2	3	3	2	3	3	3	2
45	Rajalakshmi. R	3	2	2	3	3	2	3	2	2	3	2	2	3	3
46	Rajapriya. T	2	2	2	2	3	3	3	2	2	2	3	3	2	2
47	Revathi. P	2	3	2	3	2	3	3	2	3	2	3	2	3	2
48	Rishvana Farveen. M	2	3	2	3	3	3	2	2	2	3	3	2	3	2
49	Riyazul Haq. A	3	2	3	2	3	3	2	3	3	2	3	2	3	3
50	Sabeer Ahamed. B	3	3	3	3	2	2	2	2	2	2	3	2	3	2
51	Shafeek Ahamed. A	3	2	2	3	2	3	2	2	3	2	3	2	2	2
52	Shafeeq Ahamed. M	3	3	2	2	3	3	3	3	3	3	3	3	2	2
53	Shanmuga Priya. A	3	2	3	3	2	2	3	2	2	3	2	3	2	3
54	Shanmuga Priya. S	2	3	3	3	3	3	2	2	2	2	3	3	3	3
55	Shanu Nazreen. S	3	2	3	2	3	2	3	2	3	2	3	2	3	3
56	Sharmilah. T	2	3	2	3	2	3	2	3	2	3	2	3	2	3
57	Sharuk Dhayan Basha. U	3	3	2	2	3	2	2	3	2	3	2	2	3	2
58	Sivanesan. V	3	3	3	3	2	2	2	2	2	2	2	2	3	3
59	Sruthi. T	3	2	3	2	3	2	3	2	2	3	2	3	2	3
60	Surendhar. S	3	3	3	3	3	3	2	2	2	2	2	3	2	3
61	Thalapathi Raja. T	3	2	3	2	3	2	3	2	2	3	2	3	3	3
62	Thamaraiselvi. S	2	2	2	2	2	2	3	3	3	3	2	2	2	3
63	Valarmathi. A	3	2	3	2	3	2	3	2	3	2	3	2	3	3
64	Veera Kumar. M	3	3	3	2	2	2	2	3	3	3	2	2	2	2
65	Vidhya. M	3	2	3	2	3	3	2	2	3	2	3	2	2	3
66	Vigneshiya. C	3	3	2	2	2	3	3	2	2	3	2	3	2	3
67	Vinoth. K	3	2	3	2	2	3	2	3	2	2	2	2	2	2
68	Viswanathan. P	3	2	3	2	3	2	3	2	3	3	2	2	3	3
69	Divya Lakshmi. D	2	3	2	2	2	3	2	3	2	2	3	2	2	3


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70	Gomathi. S	3	3	3	3	3	2	2	2	2	2	2	2	3	3
71	Irfana Thasleem. S	3	3	3	3	2	2	2	3	3	3	2	2	3	2
72	Mekala. T	2	3	2	3	2	3	2	3	2	3	2	3	3	3
73	Mohamed Fahath. K	3	2	3	2	2	3	2	2	2	3	2	2	3	2
74	Mohamed Haris. M	2	3	2	2	3	2	3	2	3	2	3	2	3	3
75	Venkatesh. P	2	3	3	2	3	2	3	2	3	3	3	2	3	2
Marks allotted		2.71	2.56	2.44	2.45	2.56	2.56	2.49	2.35	2.53	2.51	2.53	2.44	2.57	2.53




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PROGRAMME EVALUATION BY STUDENTS
(Programme End Survey)

Name: M. DURGA DEVI		
Programme: B.E	Department: C.S.E	Batch: 2015 - 2019

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer		✓	
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.	✓		
3	Know how to efficiently develop effective solutions to the problems?		✓	
4	Ability to approach and analyze a problem to arrive at concrete and effective results		✓	
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?		✓	
6	Enriched in understanding the societal problems with your core knowledge?	✓		
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for		✓	
8	Gratified with your development of personal code of ethics.	✓		
9	Satisfied with your group activity during the course of study?	✓		
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.		✓	
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in		✓	
12	Rate the training provided by the institution to be an successful self-reliant		✓	
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.	✓		
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.	✓		

M. Durga Devi
Signature

A. S. S.
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**PROGRAMME EVALUATION BY STUDENTS
(Programme End Survey)**

Name: R.LAVANYA		
Programme: BE	Department: CSE	Batch: 2015-2019

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer.		✓	
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.	✓		
3	Know how to efficiently develop effective solutions to the problems?		✓	
4	Ability to approach and analyze a problem to arrive at concrete and effective results.		✓	
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?	✓		
6	Enriched in understanding the societal problems with your core knowledge.	✓		
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for sustainable progress.	✓		
8	Gratified with your development of personal code of ethics.		✓	
9	Satisfied with your group activity during the course of study.		✓	
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.	✓		
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in a meaningful way.	✓		
12	Rate the training provided by the institution to be an successful self-reliant.	✓		
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.		✓	
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.	✓		


Signature

PROGRAMME EVALUATION BY STUDENTS
(Programme End Survey)

Name: <u>Abamed basha</u>
Programme: <u>BE</u> Department: <u>CSE</u> Batch: <u>2014-2018</u>

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer		✓	
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.	✓		
3	Know how to efficiently develop effective solutions to the problems?	✓		
4	Ability to approach and analyze a problem to arrive at concrete and effective results		✓	
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?	✓		
6	Enriched in understanding the societal problems with your core knowledge?		✓	
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for		✓	
8	Gratified with your development of personal code of ethics.		✓	
9	Satisfied with your group activity during the course of study?	✓		
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.	✓		
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in	✓		
12	Rate the training provided by the institution to be an successful self-reliant	✓		
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.	✓		
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.		✓	

Abamed Basha

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PROGRAMME EVALUATION BY STUDENTS
(Programme End Survey)

Name: <i>Kanagajaraj</i>	Department: <i>cse</i>	Batch: <i>2014-18</i>
Programme: <i>BE</i>		

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer		✓	
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.	✓		
3	Know how to efficiently develop effective solutions to the problems?	✓		
4	Ability to approach and analyze a problem to arrive at concrete and effective results		✓	
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?		✓	
6	Enriched in understanding the societal problems with your core knowledge?	✓		
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for		✓	
8	Gratified with your development of personal code of ethics.	✓		
9	Satisfied with your group activity during the course of study?	✓		
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.		✓	
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in	✓		
12	Rate the training provided by the institution to be an successful self-reliant	✓		
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.	✓		
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.		✓	

Kanagajaraj
Signature

A. S. J.
FRM
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PROGRAMME EVALUATION BY STUDENTS
(Programme End Survey)

Name: <i>Abdulla Gani . M</i>		
Programme: <i>B.E</i>	Department: <i>CSE</i>	Batch: <i>2013-2017</i>

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer.	✓		
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.	✓		
3	Know how to efficiently develop effective solutions to the problems?	✓		
4	Ability to approach and analyze a problem to arrive at concrete and effective results.		✓	
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?		✓	
6	Enriched in understanding the societal problems with your core knowledge.		✓	
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for sustainable progress.		✓	
8	Gratified with your development of personal code of ethics.	✓		
9	Satisfied with your group activity during the course of study.	✓		
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.	✓		
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in a meaningful way.		✓	
12	Rate the training provided by the institution to be an successful self-reliant.		✓	
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.	✓		
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.		✓	

Abdulla Gani
Signature

A. G. J.
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PROGRAMME EVALUATION BY STUDENTS
(Programme End Survey)

Name: <i>Kalaiyarasu. M</i>		
Programme: <i>BE</i>	Department: <i>CSE</i>	Batch: <i>2013-17</i>

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer.		✓	
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.		✓	
3	Know how to efficiently develop effective solutions to the problems?	✓		
4	Ability to approach and analyze a problem to arrive at concrete and effective results.	✓		
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?		✓	
6	Enriched in understanding the societal problems with your core knowledge.	✓		
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for sustainable progress.		✓	
8	Gratified with your development of personal code of ethics.		✓	
9	Satisfied with your group activity during the course of study.	✓		
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.	✓		
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in a meaningful way.		✓	
12	Rate the training provided by the institution to be an successful self-reliant.	✓		
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.		✓	
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.	✓		

M. Kalaiyarasu
Signature

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**PROGRAMME EVALUATION BY STUDENTS
(Programme End Survey)**

Name: Arunpandi. P		
Programme: B.E	Department: CSE	Batch: 2012-2016

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer.		✓	
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.	✓		
3	Know how to efficiently develop effective solutions to the problems?		✓	
4	Ability to approach and analyze a problem to arrive at concrete and effective results.		✓	
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?		✓	
6	Enriched in understanding the societal problems with your core knowledge.	✓		
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for sustainable progress.		✓	
8	Gratified with your development of personal code of ethics.	✓		
9	Satisfied with your group activity during the course of study.		✓	
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.		✓	
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in a meaningful way.	✓		
12	Rate the training provided by the institution to be an successful self-reliant.	✓		
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.		✓	
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.	✓		


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PROGRAMME EVALUATION BY STUDENTS

(Programme End Survey)

Name: A. Deenadhayalan		
Programme: B.E	Department: CSE	Batch: 2012 - 2016

S.No	PO Assessment	Marks		
		3	2	1
1	Able to apply the basic engineering knowledge to become a competent engineer.	✓		
2	Is the quality of teaching offered by the department was able to understand the recent development in engineering.		✓	
3	Know how to efficiently develop effective solutions to the problems?		✓	
4	Ability to approach and analyze a problem to arrive at concrete and effective results.		✓	
5	Knowledgeable in any new skills or techniques apart from those included in the curriculum?		✓	
6	Enriched in understanding the societal problems with your core knowledge.		✓	
7	Rate the awareness that you have about the available resources and ensure judicious use of them without affecting the environment for sustainable progress.	✓		
8	Gratified with your development of personal code of ethics.		✓	
9	Satisfied with your group activity during the course of study.		✓	
10	Rate your comfort level of speaking in a large group and acquired communication skills after joining the college.		✓	
11	Satisfied with the training provided by the Department to you to do interdisciplinary projects and carry them out in time and utilize fund in a meaningful way.		✓	
12	Rate the training provided by the institution to be an successful self-reliant.	✓		
PSO Assessment				
1	Rate your ability to apply programming and interpersonal skills to implement various algorithms for complex engineering Problems.		✓	
2	Rate your ability to design effective solutions for real time problems of both Industry and Society using cutting edge technologies.		✓	

A. Deenadhayalan

Signature

A. Deenadhayalan
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