



KIET GROUP OF INSTITUTIONS, GHAZIABAD

Department of Information Technology (NBA Accredited)

(An ISO – 9001: 2008 Certified & 'A' Grade accredited Institution by NAAC)



Course Outcome



Session 201920

**Department of Information
Technology**



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Index

3 rd Semester		
S No.	Subject Code	Subject Name
1	KAS302	Mathametics IV
2	KAS301	Technical Communication
3	KCS301	Data Structure
4	KCS302	Computer Organization and Architecture
5	KCS303	Discrete Structures & Theory of Logic
6	KNC301	Computer System Security
7	KCS351	Data Structures Using C Lab
8	KCS352	Computer Organization Lab
9	KCS353	Discrete Structure & Logic Lab
10	KCS 354	Mini Project & Skill Development

5 th Semester		
S No.	Subject Code	Subject Name
1	RAS 502	Industrial Sociology
2	RAS501	Managerial Economics
3	RCS 501	Database Management Systems
4	RCS 502	Design And Analysis Of Algorithm
5	RIT 053	Object Oriented Techniques
6	RCS 503	Principle of Programming Language
7	RCS 551	Database Management Systems Lab
8	RCS 552	Design and Analysis of Algorithm Lab
9	RCS 553	Principle of Programming Language Lab
10	RIT554	Object Oriented Techniques Lab

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7th Semester

S No.	Subject Code	Subject Name
1	RCS071	Application of Soft Computing
2	RCS075	Cloud Computing
3	RIT701	Cryptography & Network Security
4	RCS702	Artificial Intelligence
5	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfillment
6	RIT751	Cryptography & Network Security Lab
7	RCS752	Artificial Intelligence Lab

CO PO and Mapping of CO PO 2nd Year

(20182022 BATCH)

Session: 201920 Semester: 3rd

Theory

Mathematics IV (KAS 302)	CO1: Remember the concept of partial differential equation and to solve partial differential equations													
	CO2: Analyze the concept of partial differential equations to evaluate the problems concerned with partial differential equations.													
	CO3: Understand the concept of correlation, moments, skewness and kurtosis and curve fitting.													
	CO4: Remember the concept of probability to evaluate probability distributions													
	CO5: Apply the concept of hypothesis testing and statistical quality control to create control charts.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	3	2	3	2						1	1
CO2	3	3	3	3	2	3	1				1	3	1	1
CO3	3	3	2	2	3	3	1				1	3	2	1
CO4	3	3	3	2	3	3	2				2	3	2	1
CO5	3	3	3	3	3	3	1				1	3	2	1

TECHNICAL COMMUNICATION (KAS301)	CO1: Students will be enabled to understand the nature and objective of Technical Communication relevant for the work place as Engineers.													
	CO2: Students will utilize the technical writing for the purposes of Technical Communication and its exposure in various dimensions.													
	CO3: Students would imbibe inputs by presentation skills to enhance confidence in face of diverse audience													
	CO4: Technical communication skills will create a vast knowhow of the application of the learning to promote their technical competence.													
	CO5: Technical communication skills will create a vast knowhow of the application of the learning to promote their technical competence.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	1	1	2	2	1	1	2	1	3	2	2	-	-
CO2	1	1	1	2	2	2	2	2	1	3	3	3	-	-
CO3	1	1	1	1	2	3	1	1	2	3	2	3	-	-
CO4	1	1	1	1	2	3	2	2	3	3	3	3	-	-
CO5	1	1	1	1	2	2	1	1	2	3	3	2	-	-

Data Structures (KCS 301)	CO1: Understand the complexity of algorithms by Describing various data structures and their representations in memory with their common applications.													
	CO2: Describe the concept of recursion and implement various data structures like stack, queue, list, tree, and graph using static and dynamic memory allocations.													
	CO3: Study and Apply various searching and sorting algorithms on different data structures.													
	CO4: Analyze the algorithmic implementation of nonlinear data structures such as searching and sorting by comparing their computational efficiency.													
	CO5: Evaluate the alternate data structures algorithm with respect to its performance to solve a real world problem.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	1							2		
CO2	2	2	2	2	2							1		
CO3	3	2	2	2	1				1		1	2	1	
CO4	3	3	2	3					1		1	1	2	1
CO5	3	3	2	3	1				1		2	2	2	2

[illegible]

Discrete Structure and Theory of Logic (KCS303)	CO1: Knowledge of logical notation to define and reason the fundamental mathematical concepts such as sets, relations, functions, and integers													
	CO2: Discuss various structures and properties of modern algebra.													
	CO3: Employ their logical ability such as reasoning able to setup mathematical model of real life problem by applying advanced counting and computing techniques like generating function and recurrence relation.													
	CO4: Demonstrate problems in different areas of computer science using trees and graphs.													
	CO5: Design solution with the help of induction hypotheses, simple induction proofs and recurrences.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	2	2	1	2	1	1	1	1	2	2	3	3
CO2	2	2	1	1	2	1	1	1	1	1	1	2	3	2
CO3	2	2	2	3	2	1	2	1	1	1	1	2	2	2
CO4	3	3	3	3	3	3	2	1	1	1	1	3	3	3
CO5	2	1	1	2	3	2	2	1	1	1	2	2	3	2

Computer System Security (KNC301)	CO1: To discover software bugs that pose cyber security threats and to explain how to fix the bugs to mitigate such threats													
	CO2: To discover cyber-attack scenarios to web browsers and web servers and to explain how to mitigate such threats.													
	CO3: To discover and explain mobile software bugs posing cyber security threats, explain and recreate exploits, and to explain mitigation techniques.													
	CO4: To articulate the urgent need for cyber security in critical computer systems, networks, and world wide web, and to explain various threat scenarios.													
	CO5: To articulate the well-known cyber-attack incidents, explain the attack scenarios, and explain mitigation techniques													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	2	3	3	3	3	2	3	3	3	3	3
CO2	3	3	3	2	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
CO4	3	3	2	2	3	3	3	3	3	3	3	3	3	3
CO5	3	3	2	2	3	3	3	3	2	3	3	3	3	3

Practical

Data Structures Using C Lab (KCS 351)	CO1: Implement various Sorting and Searching Algorithms.													
	CO2: Analyze the recursive implementation of different sorting and searching algorithms.													
	CO3: Implement various data structures using static and dynamic memory allocation.													
	CO4: Demonstrate various operations like traversal, insertion, deletion on tree data structure.													
	CO5: Design and implement practical applications based on graphs and shortest paths.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	2					1	1		3		
CO2	2	2	3	2					1	1		3		
CO3	3	2	3	2					1	1		3	2	
CO4	3	3	3	2					1	1		3	2	2
CO5	3	3	3	2					1	1		2	3	2

Computer Organization Lab (KCS 352)	CO1: Examine the output of the basic logic gates for different combinations of input.													
	CO2: Design and simulate the combinational circuits for binary arithmetic (such as adders, subtractors, and multiplier) and code converter													
	CO3: Design and simulate combinational circuits for encoders/decoders and selection devices multiplexers/demultiplexers using logic gates													
	CO4: Design and simulate the basic building block of the sequential circuits (i.e. SR and D Flip Flops) using logic gates.													
	CO5: Design and simulate the 2bit Arithmetic Logic Unit using logic gates.													
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	1					1	1		3	2	2
CO2	3	3	3	2					1	1		3	3	3
CO3	3	3	3	2					1	1		3	3	3
CO4	3	3	3	2					1	1		3	3	3
CO5	3	3	3	2					1	1		3	3	3

Discrete Structure and Logic Lab (KCS353)	CO1: Implementation of various Set operations.													
	CO2: Implementation of various basic Mapple commands.													
	CO3: Implementation of Induction, Recursive Techniques and expected value problem using Mapple script.													
	CO4: Implementation of practical applications based on graph and shortest paths.													
	CO5: Implementation of programming problems on binary search.													
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	3	2	2	1	1	1	1	1	2	3	3
CO2	3	3	3	3	2	2	1	1	1	1	1	2	3	3
CO3	3	2	2	3	3	2	2	1	1	1	1	2	3	3
CO4	3	3	2	2	3	2	2	1	1	1	1	2	3	3
CO5	3	2	2	2	3	2	2	1	1	1	1	2	3	3

Mini Project & Skill Development (KCS 354)	CO1: Analyze and understand the real life problem and apply their knowledge to get programming solutions.													
	CO2: Engage in the creative design process through the integration and application of diverse technical knowledge and expertise to meet customer needs and address social issues.													
	CO3: Use the various tools and techniques, coding practices for developing real life solutions to the problem.													
	CO4: Write the power point presentation about what they are doing in the project.													
	CO5: Find out the errors in software solutions and in implementations.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3	3	2						2		2
CO2	3	3	3	3	2	2			2	2	2	2	2	1
CO3	2	2	3	3	3	2			1	1	1	2	2	2
CO4	2	1	1	3	2	1			2	3	1	1		
CO5	2	2	2	3	3	1			1	1	1	1	1	2

CO PO and Mapping of CO PO 3rd Year

(20172021 BATCH)

Session: 201920 Semester: 5th

Theory

Sociology (RAS502)	CO1: To provide students with an overview of industrial sociology and various theories of organization structure.													
	CO2: To gain an insight into development and consequences of industrialization along with productive structure.													
	CO3: To get the students acquainted with basic industrial policies in India and how Science & technology is shaping out the business world.													
	CO4: To have a basic understanding of contemporary issues in industries like grievance, industrial disputes, collective bargaining etc. with their resolution													
	CO5: To enable student in visualizing future in industry with reference to Cultural issues, consumer society and sociological concerns.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	1	1	3	1	2	2	1	2	1	2	1	1	1
CO2	1	2	1	2	1	2	2	1	1	1	2	2	1	1
CO3	1	2	1	2	1	2	2	2	1	1	3	1	1	1
CO4	1	1	1	2	1	3	3	1	3	1	1	2	1	1
CO5	1	2	1	3	1	3	3	2	1	1	1	1	1	1

Managerial Economics (RAS501)	CO1: Able to explain the meaning and definition of managerial economics, demand and supply. Elucidate on the characteristics and scope of managerial economics.													
	CO2: Able to explain the characteristics of demand forecasting, performance measures and computation of material variances break even analysis.													
	CO3: Able to describe the various forms of cost and returns to scale.													
	CO4: Able to appraise market structures and propose management decisions based on features of different market structures.													
	CO5: Able to analyse features of Indian Economy and various concepts of National Income.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	1	3	2	3	3	2	3	3	1	2	1	1
CO2	2	2	1	3	2	3	1	2	3	2	1	2	1	1
CO3	3	2	1	3	2	3	2	2	3	3	1	2	1	1
CO4	2	2	2	3	2	3	2	2	3	2	1	2	1	1
CO5	2	1	1	2	1	1	2	2	1	1	2	1	1	1

Database Management System (RCS 501)	CO1: Understand the database management system and implement conceptual model using entity relationship diagram.													
	CO2: Apply query processing techniques to automate the real time problems of databases.													
	CO3: Identify and solve the redundancy problem in database tables using normalization.													
	CO4: Understand the concepts of transactions and also understand the need of distributed databases.													
	CO5: Understand the concept of concurrency control and finally apply the knowledge to develop a small Database system.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3	2	1	1	2	2	2	3	2	2	2
CO2	3	3	3	3	2	1	1	1	2	2	3	2	2	2
CO3	3	3	3	3	2	1	1	1	2	2	2	2	3	3
CO4	3	2	3	3	2	2	2	1	3	2	2	2	3	3
CO5	2	2	3	3	2	2	2	2	2	2	2	2	3	3

Design Analysis & Algorithm (RCS 502)	CO1: Argue the correctness of algorithms using inductive proofs and invariants. Analyze worstcase running times of algorithms using asymptotic analysis.													
	CO2: Describe the divideandconquer paradigm and explain when an algorithmic design situation calls for it. Recite algorithms that employ this paradigm. Synthesize divideand conquer algorithms. Derive and solve recurrences describing the performance of divideand conquer algorithms													
	CO3: Describe the dynamic programming and greedy paradigm and explain when an algorithmic design situation calls for it													
	CO4: Explain the major graph algorithms and their analyses. Employ graphs to model engineering problems, when appropriate.													
	CO5: Explain what competitive analysis is and to which situations it applies. Perform competitive analysis.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1		3		2								3		1
CO2		3		3	2							2	1	1
CO3	3	1	3		2				1	1	1	2	1	2
CO4	2								1		1	1		
CO5				1	2				1	1		1	1	

Object Oriented Techniques (RIT E13)	CO1: Understand the application development and analyze the insights of programming to implement application													
	CO2: Understand, analyze and apply the role of overall modelling concepts (i.e. System, structural)													
	CO3: Understand, analyze and apply oops concepts (i.e. abstraction, inheritance).													
	CO4: Understand the concepts of C++													
	CO5: Understand the methods, class and objects concepts in C++..													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	1	1	1	1	1	2	1	1	1	3	3	3
CO2	3	2	3	1	1	1	1	1	1	1	1	1	3	3
CO3	3	1	2	1	1	1	1	1	2	1	1	1	3	3
CO4	3	1	2	1	2	1	1	1	2	1	1	1	3	3
CO5	3	1	1	1	2	1	1	1	2	1	1	2	3	3

Principles of Programming Languages (RCS 503)	CO1: Understand the use of mathematical, theoretical computer science, software, hardware concepts and use of grammars for development of languages.													
	CO2: Understand the basic principles behind the programming language development.													
	CO3: Understand the language description, language properties and able to correlate with the traditional programming language													
	CO4: Use the knowledge to solve real life problems with relevant programming paradigm and language.													
	CO5: Analyze and apply the knowledge for identifying the local and global impact of computing on individuals, organization, and society.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	1	1	1	1	1	1	1	1	2	2	2
CO2	3	3	3	2	1	1	1	1	1	1	1	3	2	2
CO3	3	3	2	2	2	1	1	1	1	1	1	3	3	3
CO4	2	3	2	2	2	1	1	1	1	1	1	3	3	3
CO5	3	3	3	3	1	1	3	3	2	2	2	3	3	3

Practical

Database Management System Lab (RCS 551)	CO1: Use the case tools for creation of ER Diagram.													
	CO2: Create and modify the database and apply different constraints using DDL commands.													
	CO3: Use of DML commands													
	CO4: Display data from multiple tables using joins and apply different functions of SQL.													
	CO5: Implement cursor, trigger, procedures and functions using PL/SQL.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	3	1	2	1	2	2	3	3	2	2
CO2	3	3	2	2	3	1	1	1	2	1	2	3	3	3
CO3	3	2	2	2	2	2	1	1	2	1	2	2	3	3
CO4	2	2	3	2	2	2	1	1	2	1	2	2	3	3
CO5	2	2	3	2	2	2	2	1	2	2	3	2	3	3

Design and Analysis of Algorithm Lab (RCS552)	CO1: Design new algorithms, prove them correct, and analyze their asymptotic and absolute runtime and memory demands.													
	CO2: Find an algorithm to solve the problem (create) and prove that the algorithm solves the problem correctly (validate)..													
	CO3: Understand the mathematical criterion for deciding whether an algorithm is efficient, and know many practically important problems that do not admit any efficient algorithms.													
	CO4: Apply classical sorting, searching, optimization and graph algorithms.													
	CO5: Understand basic techniques for designing algorithms, including the techniques of recursion, divideandconquer, and greedy.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1		3		2								3	1	
CO2		3		3	2							2	1	
CO3	3		3		2						2	2	1	2
CO4	2										2	2	1	1
CO5					2							2	1	1

Principles of Programming Languages Lab (RCS553)	CO1: Able to understand various concepts of programming paradigm.													
	CO2: Study functional programming paradigm using SML													
	CO3: Able to implement basic arithmetic operations in SML													
	CO4: Able to implement basic list operations in SML													
	CO5: Able to comprehend and implement logic programming examples.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	1	1	1	1	1	1	1	1	3	1	1
CO2	3	3	2	1	1	1	1	1	1	1	1	3	2	2
CO3	3	3	2	2	1	1	1	1	1	1	1	3	2	1
CO4	3	3	2	1	1	1	1	1	1	1	1	3	2	1
CO5	3	3	3	3	1	1	1	1	2	2	2	3	2	2

Object Oriented Techniques Lab (RIT-554)	CO1: Understand the application development and analyze the insights of programming to implement application.													
	CO2: Understand, analyze and apply the role of overall modelling concepts (i.e. System, structural).													
	CO3: Understand, analyze and apply oops concepts (i.e. abstraction, inheritance).													
	CO4: Understand the concepts of C++.													
	CO5: Understand the methods, class and objects concepts in C++.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	1	1	1	1	1	2	1	1	1	3	3	3
CO2	3	2	3	1	1	1	1	1	1	1	1	1	3	3
CO3	3	1	2	1	1	1	1	1	2	1	1	1	3	3
CO4	3	1	2	1	2	1	1	1	2	1	1	1	3	3
CO5	3	1	1	1	2	1	1	1	2	1	1	2	3	3

Cryptography and Network Security (RIT-701)	CO1: Understand the basic concepts (including Classical encryption/decryption, security attacks and DES) and principles used in cryptography.													
	CO2: Apply the number theory in cryptography.													
	CO3: Understand the concepts of MAC, hash function and digital signature.													
	CO4: Analyse the concept of key management, distribution and its application.													
	CO5: Assess the security issues and their implementation at IP and system level.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	2	1	3	1	3	3	1	1	1	2	3	3
CO2	3	3	2	2	3	3	3	1	1	1	1	2	3	3
CO3	3	3	2	2	3	3	3	2	1	1	1	2	3	3
CO4	3	1	1	1	3	1	3	1	1	1	1	2	3	3
CO5	3	3	2	2	3	3	3	2	1	1	1	2	3	3

Artificial Intelligence (RCS 702)	CO1: Understand the basics of the theory and practice of Artificial Intelligence as a discipline and about intelligent agents.													
	CO2: Understand search techniques and gaming theory.													
	CO3: The student will learn to apply knowledge representation techniques and problem-solving strategies to common AI applications.													
	CO4: Student should be aware of techniques used for classification and clustering.													
	CO5: Student should be aware of basics of pattern recognition and steps required for it													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	2	3	2	1	1	3	3	3	3	3
CO2	3	3	3	3	2	3	2	1	1	3	3	3	3	3
CO3	3	3	3	2	2	2	3	1	1	2	3	3	3	3
CO4	3	3	3	3	3	3	2	1	1	2	2	3	3	3
CO5	3	3	3	3	2	2	2	1	1	3	2	3	3	3

UHCHAAF (ROE074)	CO1: Identify basic human aspirations and their fulfillment through right understanding and different aspects of All-encompassing Resolution													
	CO2: Acquire knowledge about the role of human beings in existence, activities and potentialities of the self, awakening to activities of the Self and harmony from self to entire existence.													
	CO3: Analyze and apply right understanding to identify the interconnectedness and coexistence in existence.													
	CO4: Analyze and evaluate transformation in thoughts through knowledge and in expressions as humane conduct (behavior, work/participation) in the light of Resolution.													
	CO5: Demonstrate the understanding of human tradition and its component by expanding participation in a way leading to Universal human order.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	3	2	2	2	2	3	3	2	1	3	2	1
CO2	2	3	1	3	3	2	1	3	2	2	1	3	2	1
CO3	2	2	3	2	3	2	1	3	1	3	1	3	2	1
CO4	3	2	3	3	2	3	1	3	3	2	1	3	2	1
CO5	3	2	2	3	3	1	2	3	3	2	1	3	2	1

Practical

Cryptography & Network Security Lab (RIT751)	CO1: Learn the implementation of classical encryption techniques.													
	CO2: Learn the implementation of mathematical theorems.													
	CO3: Learn the implementation of asymmetric encryption technique and key exchange algorithm.													
	CO4: Learn implementation of message authentication and digital signature.													
	CO5: Learn simulation of Elliptic Curve Cryptography.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	2	2	1	3	3	1	1	2	2	3	3
CO2	3	3	3	2	2	1	2	1	1	1	2	2	3	3
CO3	3	3	3	2	2	1	3	3	1	1	2	2	3	3
CO4	3	3	3	2	2	1	3	3	1	1	2	2	3	3
CO5	3	3	3	2	2	1	3	2	1	1	2	2	3	3

Artificial Intelligence Lab (RCS 752)	CO1: Understand of formal logic and PROLOG language.													
	CO2: Learn the basics of the PROLOG programming language, including basic syntax and the selection and search strategies of PROLOG													
	CO3: Understand how does prolog search a knowledge base.													
	CO4: Understand will include the syntax, semantics, and the natural deduction proof system of propositional and predicate logic.													
	CO5: Demonstrate the skills in implementing various real-life problems like family member and their relationship, sitting arrangement etc.													
CO \ PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	3	2	3	2	2	3	3	3	3	3	3
CO2	3	3	3	3	1	2	1	3	3	3	3	3	3	3
CO3	3	3	3	3	3	2	2	2	1	3	3	3	3	3
CO4	3	3	2	2	1	3	3	2	2	3	3	3	3	3
CO5	3	3	3	3	2	3	1	3	3	1	1	3	3	3