

# R.M.K.ENGINEERINGCOLLEGE

RSMNagar,Kavaraipettai-601206

## Department of Computer Science andEngineering

### Course Outcomes – Semester 2023-2024

(Odd/Even)

Se mes ter	Theory/ Practical	SubjectCode	CourseCode/ Course Name
3	Theory	22MA301	DiscreteMathematics
3	Theory	22CS302	Computer Organization and Architecture
3	Theory	22CS301	Advanced Java Programming
3	Theory	22CS303	Design and Analysis of Algorithms
3	Theory	22CS304	Operating Systems
3	Theory	20CS311	Tamils and Technology
3	Practical	22ME311	Product Development Lab - 3
3	Practical	22CS311	Aptitude and Coding Skills I
3	Practical	22CS312	Internship and Seminar
5	Theory	20CS501	Computer Networks
5	Theory	20AI401	Artificial Intelligence
5	Theory	20CS503	Theory of Computation
5	Theory	20CS929	Google Cloud Computing Foundations
5	Theory	20CE003	Geographic Information System
5	Practical	20AI411	Artificial Intelligence Laboratory
5	Practical	20CS512	Advanced Aptitude and Coding Skills - I
5	Practical	20CS513	Mini Project and Design Thinking Practices Laboratory
5	Theory	20CS917	Data science Fundamentals
5	Theory	20AI702	Natural Language Processing
7	Theory	MG8591	20CS701 Cloud Computing
7	Theory	CS8792	20AI402 Data Analytics
7	Theory	CS8791	20EC004 Industrial IoT Applications
7	Theory	OME752	20CS920 Block Chain Technologies
7	Theory	20IT928	Professional Readiness for Innovation, Employability & Entrepreneurship
7	Theory	20AI701	Deep Learning Techniques
7	Practical	20CS711	CloudComputingLaboratory
7	Practical	20CS712	Data Analytics and Machine Learning Laboratory
7	Practical	20CS713	Project Phase I

### 3<sup>rd</sup>Semester–B.E.CSE

#### 22MA301- DiscreteMathematics

Upon completion of the course, the students will be able to:....

- CO1 Validate the arguments using connectives and rule of inference.
- CO2 Solve linear recurrence relations.
- CO3 Determine Euler’s path and Hamilton paths.
- CO4 Identify algebraic structures of groups, rings, and fields
- CO5 Interpret lattices as algebraic structures.

#### 22CS302- Computer Organization and Architecture

COs Upon completion of the course, the students will be able to:

- CO1 Explain the basic principles and operations of digital computers.
- CO2 Design Arithmetic and Logic Unit to perform fixed and floating-point operations
- CO3 Develop pipeline architectures for RISC Processors.
- CO4 Summarize Various Memory systems & I/O interfacing.
- CO5 Recognize Parallel Processor and Multi Processor Architectures.

#### 22CS301 -Advanced Java Programming

Upon completion of the course, the students will be able to:

- CO1 Apply collections and IO Streams to efficiently manage and process data structures and perform input/output operations in Java.
- CO2 Apply Java Stream API and Junits to streamline data manipulation and perform unit testing for robust code development.
- CO3 Develop a Seamlessly integrate object-oriented programming with database operations for web applications using hibernate.
- CO4 Construct the power of the Spring Framework to provide a solid foundation for building scalable and maintainable applications.
- CO5 Organize application logic, user interface, and data flow using the Spring MVC framework for efficient and modular development.



### 22CS303-Design and Analysis of Algorithms

Upon completion of the course, the students will be able to:

CO1	Solve mathematically the efficiency of recursive and non-recursive algorithms
CO2	Design and Analyze the efficiency of divide and conquer and transform and conquer algorithmic techniques
CO3	Implement and analyze the problems using dynamic programming
CO4	Solve the problems using and greedy technique and iterative improvement technique for optimization
CO5	Compute the limitations of algorithmic power and solve the problems using backtracking and branch and bound technique.

### 22CS304 -Operating Systems

Upon completion of the course, the students will be able to:

CO1	Implement the basic concepts of operating systems and process.
CO2	Analyse various CPU scheduling algorithms and thread mechanism.
CO3	Implement the concepts of process synchronization and deadlocks.
CO4	Design various memory management schemes to given situation.
CO5	Implement various I/O and file management techniques.

### 20CS311-Tamils and Technology

Upon completion of the course, the students will be able to:

CO1	Identify the role of weaving and ceramic technology in ancient Tamil Culture.
CO2	Assess the design and construction technology ideas in the current Tamil society
CO3	Identify the different types of manufacturing technology used in Tamil society and their significance.
CO4	Classify agricultural and irrigation technologies in ancient Tamil society and its current relevance.
CO5	Discuss the fundamentals of scientific Tamil and Tamil computing.

## Laboratory

### 22ME311-Product Development Lab - 3

Upon completion of the course, the students will be able to:

- CO1 Enhance their skills in design concepts, rules and procedures.
- CO2 Develop their cognitive strategy to think, organize, learn and behave.
- CO3 Demonstrate the ability to provide conceptual design strategies for a product.

### 22CS311-Aptitude and Coding Skills I

Upon completion of the course, the students will be able to:

- CO1 Develop vocabulary for effective communication and reading skills..
- CO2 Build the logical reasoning and quantitative skills.
- CO3 Develop error correction and debugging skills in programming.

### 22CS312- Internship and Seminar

....

- CO1 Develop vocabulary for effective communication and reading skills.
- CO2 Build the logical reasoning and quantitative skills
- CO3 Develop error correction and debugging skills in programming

## 5<sup>th</sup>Semester B.E.CSE

### 20CS501 - Computer Networks

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Introduce the basic notions of groups which will be used to solve group theory related problems.
CO2	Introduce the basic notions of rings, fields which will then be used to solve related problems.
CO3	Introduce and apply the concepts of rings, finite fields and polynomials.
CO4	Understand the basic concepts in number theory.
CO5	Examine the key questions in the Theory of Numbers.
CO6	Give an integrated approach to number theory and abstract algebra, and provide a firm basis for further reading and study in the subject.

### 20AI401 - Artificial Intelligence

At the end of this course, the students will be able to: ....

CO1	Illustrate the structure of agents and to implement various Intelligent agents.
CO2	Apply search strategies in problem solving and game playing using heuristic function
CO3	Implement logical agents and first-order logic problems.
CO4	Apply problem-solving strategies with knowledge representation mechanism for solving hard problems.
CO5	Demonstrate the basics of expert systems and to develop models using machine learning techniques.

### 20CS503 - Theory of Computation

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Describe the architecture of 8086, addressing modes and machine language instruction formats.
CO2	Differentiate minimum and maximum modes of 8086 and concepts of I/O Programming
CO3	Describe 8255 modes of operation, interfacing A to D, D to A converters
CO4	Apply the programming techniques in designing simple assembly language programs for solving simple problems by using instruction sets of microcontroller
CO5	Describe the architecture of 8051 microcontroller and its addressing modes
CO6	Design a microcontroller based system

### CS8501-Theory of Computation

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Students should be able to design an automata for any given pattern
CO2	Students should be able to specify regular expression for any string pattern
CO3	Students should be able to write context free grammar for any language
CO4	Students should be able to apply Turing machine to propose computation solution
CO5	Students should be able to interpret whether a problem is decidable or not
CO6	Students should be able to interpret NP class problems

### CS8592-Object Oriented Analysis and Design

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Explain OOAD concepts and various UML diagrams.
CO2	Illustrate about domain models and conceptual classes
CO3	Explain Dynamic and implementation UML diagram.
CO4	Select an appropriate design pattern
CO5	Develop Code from Design, Compare and contrast various testing techniques
CO6	Demonstrate various designing Techniques

### OCE552-Geographic Information System

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Outline the basic idea about fundamentals of GIS.
CO2	Understand the types of spatial data models.
CO3	Discuss about the data input and topology.
CO4	Understand the data management functions and data output.
CO6	Outline the application of GIS.
CO6	Apply the GIS tools to develop real time applications.

### EC8681-MicroprocessorsandMicrocontrollers Laboratory

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Write ALP Programmes for fixed and Floating Point and Arithmetic operations.
CO2	Interface different I/Os with processor.
CO3	Generate waveforms using Microprocessors.
CO4	Execute Programs in 8051.
CO5	Explain the difference between simulator and Emulator.

### CS8582-Object Oriented Analysis and Design Laboratory

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Perform OO analysis and design for a given problem specification.
CO2	Identify and map basic software requirements in UML mapping.
CO3	Improve the software quality using design patterns and to explain the rationale behind applying specific design patterns.
CO4	Test the compliance of the software with the SRS.

### CS8581-Networks Laboratory

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Implement various protocols using TCP and UDP.
CO2	Compare the performance of different transport layer protocols.
CO3	Use simulation tools to analyze the performance of various network protocols.
CO4	Analyze various routing algorithms.
CO5	Implement error correction codes.

## 7<sup>th</sup> Semester B.E. CSE

### MG8591-Principles of Management

COs	Course Outcome: The students, after the completion of the course, are expected to
	....
CO1	Describe the historical evolution of management theories for business organizations
CO2	Demonstrate the use of planning tools for strategic management.
CO3	Identify the most appropriate organizational structure.
CO4	Discuss HR strategies for planning, recruiting and training employees.
CO5	Explain the theories of motivation and leadership to manage a group.
CO6	Summarize the controlling methods and tools to increase productivity of the Organization.



### CS8792-CryptographyandNetworkSecurity

COs	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpected to ....
CO1	Understandthefundamentalsofnetworkssecurity,securityarchitecture,threatsand vulnerabilities
CO2	Applythedifferentcryptographicoperationsofsymmetriccryptographicalgorithms
CO3	Applythedifferentcryptographicoperations ofpublickeycryptography
CO4	Applythevarious Authenticationschemestosimulatedifferent applications.
CO5	UnderstandvariousSecuritypractices
CO6	UnderstandSystemsecuritystandards

### CS8791-CloudComputing

COs	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpected to ....
CO1	DescribetheprinciplesofParallelandDistributedComputingandevolutionofcloud computing from existing technologies
CO2	ImplementdifferenttypesofVirtualizationtechnologiesandServiceOriented Architecture systems
CO3	Elucidatetheconcepts ofNISTCloudComputingarchitectureanditsdesign challenges
CO4	AnalysetheissuesinResourceprovisioningandSecuriztygovernancein clouds
CO5	Chooseamongvariouscloudtechnologiesforimplementingapplications
CO6	Installandusecurrentcloudtechnologies

### OME752-SupplyChainManagement

COs	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpected to ....
CO1	Understandfundamental supplychainmanagementconcepts.
CO2	Understandthedesignfactorsandvariousdesignoptionsofdistributionnetworksin industries
CO3	Understandtheframeworkofsupplychainnetworks and functions
CO4	Understandthefoundationalroleoflogisticsasitrelatestotransportationand warehousing.
CO5	Understandthevarious sourcingdecisionsin supplychain
CO6	UnderstandthesupplychainmanagementinITindustries

<b>GE8077-TotalQualityManagement</b>	
COs	<b>CourseOutcome:Thestudents, afterthecompletion of thecourse,areexpectedto</b> ....
CO1	Understandthequalityphilosophiesandcustomerfocusedmanagerial system
CO2	Summarizethequalitymanagementprinciples
CO3	Applysixsigmaconceptin manufacturingandservicesector
CO4	Determinethetoolsandtechniquesforqualityimprovement.
CO5	Analyzestandardsandauditingsystemonimplementationof TQM.
CO6	Analyzestandardsforthe operationofEMS.

<b>CS8079-HumanComputerInteraction</b>	
COs	<b>CourseOutcome:Thestudents, afterthecompletion of thecourse,areexpectedto</b> ....
CO1	ExaminetheeffectivedialogforHCI
CO2	Inspectinteractivedesignprocessinhumancomputerinteraction
CO3	InteractionInspectsoftwaredesignprocessinhumancomputerinteraction
CO4	Examinevariousmodels andtheoriesrelated tohumancomputer interaction
CO5	Utilizethe HCIimplications fordesigningmultimedia/ e-commerce/ e-learning Web sites
CO6	Buildmeaningfuluser interface

### **Laboratory**

<b>CS8711-CloudComputing Laboratory</b>	
COs	<b>CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto</b> ....
CO1	ConfigurevariousvirtualizationtoolssuchasVirtualBox,VMwareworkstation
CO2	DesignanddeployawebapplicationinaPaaS environment
CO3	Learnhowtosimulateacloudenvironmenttoimplementnew schedulers
CO4	Installanduseagenericcloudenvironmentthatcanbeusedasaprivatecloud.
CO5	Manipulatelargedatasetsinaparallel environment

<b>IT8761–SecurityLaboratory</b>	
COs	<b>CourseOutcome:Thestudents, afterthecompletionofthecourse,areexpectedto</b> ....
CO1	DevelopcodeforclassicalEncryptionTechniquesosolvetheproblems
CO2	Buildcryptosystems byapplyingssymmetricandpublickeyencryptionalgorithms
CO3	Constructcodeforauthenticationalgorithms
CO4	DevelopasignatureschemeusingDigitalsignaturestandard
CO5	Demonstratethenetworksecuritysystemusingopensourcetools

## Course Outcomes–EVEN Semester 2023-2024

Sl.No.	Semester	Theory/ Practical	CourseCode/ CourseName
1)	4	Theory	22EC441 - Microcontrollers and Embedded Systems
2)	4	Theory	22MA401 - Probability and Statistics(LabIntegrated)
3)	4	Theory	22CS401 - Distributed and Cloud Computing(LabIntegrated)
4)	4	Theory	22CS402 - Web Development Frameworks (LabIntegrated)
5)	4	Theory	22AI301 - Artificial Intelligence (LabIntegrated)
6)	4	Theory	22CS907-Cloud Foundations (LabIntegrated)
7)	4	Practical	22CS901-Ethical Hacking
8)	4	Practical	22CS913- UI/UX Design
9)	4	Practical	20CS413-Internship
10)	4	Practical	20CS414-AptitudeandCodingSkills-II
11)	6	Theory	20CS601-CompilerDesign(Labintegrated)
12)	6	Theory	20CS602-CryptographyandNetworkSecurity
13)	6	Theory	20CS603-MobileComputing
14)	6	Theory	20AI502-MachineLearning
15)	6	Theory	20CS917-DataScienceFundamentals
16)	6	Theory	20CS918-GoogleCloud:ArchitectingwithGoogleCompute Engine
17)	6	Practical	20CS611-MobileApplicationDevelopmentLaboratory
18)	6	Practical	20CS612-Security Laboratory
19)	6	Practical	20CS613-Internship
20)	6	Practical	20CS614-AdvancedAptitudeandCodingSkills-II

## **EVEN Semester 2020-2021**

### **4<sup>th</sup> Semester – B.E. CSE**

<b>22EC441 - Microcontrollers and Embedded Systems</b>	
<b>COs</b>	<b>Course Outcome: The students, after the completion of the course, are expected to</b>
	....
<b>CO1</b>	Understand the fundamental knowledge of modern probability theory and standard distributions.
<b>CO2</b>	Categorize the probability models and function of random variables based on one and two dimensional random variables.
<b>CO3</b>	Employ the concept of testing the hypothesis in real life problems.
<b>CO4</b>	Implement the analysis of variance for real life problems.
<b>CO5</b>	Apply the statistical quality control in engineering and management problems.

<b>22MA401 - Probability and Statistics (Lab Integrated)</b>	
<b>COs</b>	<b>Course Outcome: The students, after the completion of the course, are expected to</b>
	....
<b>CO1</b>	Explain the basic principles and operations of digital computers.
<b>CO2</b>	Design Arithmetic and Logic Unit to perform fixed and floating point operations
<b>CO3</b>	Develop pipeline architectures for RISC Processors.
<b>CO4</b>	Summarize Various Memory systems & I/O interfacing.
<b>CO5</b>	Recognize Parallel Processor and Multi Processor Architectures.

<b>22CS401 - Distributed and Cloud Computing (Lab Integrated)</b>	
<b>COs</b>	<b>Course Outcome: The students, after the completion of the course, are expected to</b>
	....
<b>CO1</b>	Analyze the efficiency of recursive and non-recursive algorithms mathematically.
<b>CO2</b>	Analyze the efficiency of brute force, divide and conquer, decrease and conquer, Transform and conquer algorithmic techniques.
<b>CO3</b>	Implement and analyze the problems using dynamic programming and greedy technique algorithmic techniques.
<b>CO4</b>	Solve the problems using iterative improvement technique for optimization.
<b>CO6</b>	Outline the limitations of Algorithm power.

22CS401 - Distributed and Cloud Computing(LabIntegrated)	
COs	CourseOutcome: The students, after the completion of the course, are expected to
	....
CO1	Construct a basic website using HTML and Cascading Style Sheets
CO2	Build dynamic web page with validation using JavaScript objects and by applying different event handling mechanisms.
CO3	Develop server side programs using Servlets and JSP.
CO4	Construct simple web pages in PHP and to represent data in XML format.
CO6	Explain the different advanced databases

22CS402 - Web Development Frameworks (LabIntegrated)	
COs	CourseOutcome: The students, after the completion of the course, are expected to
	....
CO1	Implement the basic concepts of operating systems and process.
CO2	Analyse various CPU scheduling algorithms and thread mechanism.
CO3	Implement the concepts of process synchronization and deadlocks.
CO4	Design various memory management schemes to give situation.
CO5	Implement various I/O and file management techniques.

20EC441-Microprocessors and Interfacing(Lab Integrated)	
COs	CourseOutcome: The students, after the completion of the course, are expected to
	....
CO1	Acquire knowledge of basic architecture, operation, programming of microprocessor 8086.
CO2	Summarize the design of basic and multiprocessor systems and their bus timings.
CO3	Design the 8086 interfaces with memory, I/O and other peripheral chips.
CO4	Describe the basic architecture and programming of microcontroller 8051.
CO5	Apply programming concepts to implement microcontroller interfaces for different applications.
CO6	Design and construct Microprocessor and Microcontroller based systems.

## Laboratory

20CS411-InternetProgrammingLaboratory	
<b>COs</b>	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto....
<b>CO1</b>	CreatewebpagesusingHTML/XMLandstylesheets.
<b>CO2</b>	DesignuserinterfacesusingJavaframesandapplets.
<b>CO3</b>	Developdynamicwebpagesusingserver-sidescriptingandPHPprogramming.
<b>CO4</b>	BuildapplicationswithAJAX.

CS8461-OperatingSystemsLaboratory	
<b>COs</b>	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto....
<b>CO1</b>	Practicesystemcallsandshell programming.
<b>CO2</b>	ImplementvariousCPUschedulingalgorithms.
<b>CO3</b>	Buildinterprocesscommunicationdeadlockdetectionandavoidancealgorithms.
<b>CO4</b>	Designpagereplacementanddiskschedulingalgorithms.
<b>CO5</b>	Implementfileallocationstrategies.

20CS414-AptitudeandCodingSkills-II	
<b>COs</b>	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto....
<b>CO1</b>	Developadvancedvocabularyforeffectivecommunicationandreadingskills.
<b>CO2</b>	Buildanenhancedleveloflogicalreasoningandquantitativeskills.
<b>CO3</b>	Developerrorcorrectionanddebuggingskillsinprogramming.
<b>CO4</b>	Applydatastructuresandalgorithmsinproblemsolving.

## 6<sup>th</sup>Semester–B.E.CSE

CS8651-InternetProgramming	
COs	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpected to
	....
CO1	CreateabasicwebsiteusingHTMLandCascadingStyleSheets
CO2	DesignandimplementdynamicwebpagewithvalidationusingJavaScriptobjectsandby applying different event handling mechanisms
CO3	AccessJSONdatafiles andusethecontentwithinJavaScript
CO4	DesignandimplementserversideprogramsusingServlets,JDBCandJSP
CO5	DesignandimplementsimplewebpageinPHP,andtopresentdatainXMLformat
CO6	Designasimpleweb pageusingAJAX

CS8691-ArtificialIntelligence	
COs	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpected to
	....
CO1	Useappropriatesearch algorithmsforanyAIproblem.
CO2	Representaproblemusingfirstorderandpredicatelogic.
CO3	Providetheapt agentstrategytosolveagiven problem.
CO4	Designsoftwareagents tosolveaproblem.
CO5	DesignapplicationsforNLPthatuseArtificialIntelligence.

CS8601-MobileComputing	
COs	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpected to
	....
CO1	Understandthebasicconcepts ofmobilecomputing
CO2	Explainthebasicsofmobiletelecommunicationsystems
CO3	Illustratethegenerationsoftelecommunicationsystems inwirelessnetworks
CO4	DemonstratethefunctionalityofMAC,networklayerandIdentifyaroutingprotocolfor a given Ad hoc network
CO5	ExplainthefunctionalityofTransport andApplication layers
CO6	Developmobileapplicationusingandroid/blackberry/ios/WindowsSDK

CS8602-CompilerDesign	
COs	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpected to
	....
CO1	Designvariousphasesofcompiler,alexicalanalyzeranduseLEXtool.
CO2	Designsyntax analyzeranduseYACCtool.
CO3	Discussintermediatecodegeneration.
CO4	Discussthevariousstorageallocationstrategiesandimplement acode generator.
CO5	Applythevariousoptimizationtechniques.

### CS8603-Distributed Systems

COs	Course Outcome: The students, after the completion of the course, are expected to ....
CO1	Elucidate the foundations and issues of distributed systems.
CO2	Understand the various synchronization issues and global state for distributed systems.
CO3	Comprehend the Mutual Exclusion and Deadlock detection algorithms in distributed systems.
CO4	Show the use of agreement protocols and fault tolerance mechanisms in distributed systems
CO5	Relate the features of peer-to-peer and distributed shared memory systems
CO6	Interpret the real-time distributed system applications

### IT8076-Software Testing

COs	Course Outcome: The students, after the completion of the course, are expected to ....
CO1	Design test cases suitable for software development for different domains
CO2	Identify suitable tests to be carried out
CO3	Prepare test planning based on the document
CO4	Document test plans and test cases designed
CO5	Use automatic testing tools
CO6	Develop and validate a test plan



## Laboratory

### CS8661-InternetProgrammingLaboratory

<b>COs</b>	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto....
<b>CO1</b>	ConstructWebpages usingHTML/XMLandstylesheets.
<b>CO2</b>	BuilddynamicwebpageswithvalidationusingJavaScriptobjectsandbyapplying different event handling mechanisms.
<b>CO3</b>	Developdynamicwebpagesusingserversidescripting.
<b>CO4</b>	UsePHPprogrammingtodevelopweb applications.
<b>CO5</b>	Constructwebapplications usingAJAXandwebservices

### CS8662-MobileApplicationDevelopment Laboratory

<b>COs</b>	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto....
<b>CO1</b>	DevelopmobileapplicationsusingGUIandLayouts.
<b>CO2</b>	DevelopmobileapplicationsusingEventListener.
<b>CO3</b>	DevelopmobileapplicationsusingDatabases.
<b>CO4</b>	DevelopmobileapplicationsusingRSSFeed,Internal/ExternalStorage,SMS, MultithreadingandGPS.
<b>CO5</b>	Analyzeanddiscoverownmobileapp forsimpeneeds.

### CS8611MiniProject

<b>COs</b>	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto....
<b>CO1</b>	OnCompletionoftheminiprojectstudentswillbeinapositiontotakeupchallengingreal world problems and find solution using appropriate methodology

### HS8581ProfessionalCommunication

<b>COs</b>	CourseOutcome:Thestudents,afterthecompletionofthecourse,areexpectedto....
<b>CO1</b>	Makeeffectivepresentations
<b>CO2</b>	ParticipateconfidentlyinGroupDiscussions.
<b>CO3</b>	Attendjobinterviewsandbesuccessfulinthem
<b>CO4</b>	DevelopadequateSoftSkillsrequiredfortheworkplace