

RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 402 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING Regulation - 2013

Course ID	Semester Course Course Name		Course Outcomes		
				CO1	Demonstrate clearly, confidently, understandably, and interact with one or more listeners using appropriate communicative techniques
C101	I	HS6151	Technical English – I	CO2	Cohesively and cogently and effortlessly designing grammatical errors, using a wide variety of phrases, organising their ideas logically on a subject
				CO3	Organize different genres of texts that adopt various learning techniques.
				CO4	Distinguish different spoken words and understand them Speeches/excerpts that have common accents
		CO5	Listen to numerous accents, presentations and emails.		
				CO1	Using the definitions of Eigen values and Eigen vectors, the canonical form is inferred from the quadratic form
			CO2	Verify the convergence of sequences and series	
C102	I	MA6151	Mathematics – I	CO3	Use differential calculus methods to find the evaluation and envelope of curves.
		٠		CO4	Using partial derivatives, describe the maxima and minim of functions of two variables.
				CO5	Using various integrals, find the area enclosed by plane curves and volume of solids
				CO1	Identify the structures of the crystals and different techniques of crystal growth.
M.E., Ph.D C103	., I	T. Fraince Maria	Engineering Physics-	CO2	Evaluate the elastic structure of materials and the materials' thermal behaviour.
ngineerif g	I	CO3	Using experience of quantum mechanics and classical mechanics to discuss science and technology concerns.		
Technolog 402				CO4	Using the experience of building an auditorium with strong acoustic properties to allow use of ultrasonics and its applications in different fields

Dr. K. KARUPPASAMY I Professor & Head Dept. of Computer Science & RVS College of Engg. & 1

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The second secon	<u> </u>			. /	CO1	Characterize the polymerization techniques, forms,
					COI	properties and benefits of polymers.
ļ						The principles of basic thermodynamics and problem
					CO2	solving skills in different engineering disciplines are
		. ,				demonstrated.
				·		Analyze the laws of photochemistry in the recognition of
	C104	I	CY6151	Engineering Chemistry-I	CO3	light's interaction with material and its luminescence and
. 1			,010101		COS	spectroscopy applications.
						Evaluate the use of the phase rule in the detection of its
					CO4	metallurgical and alloy applications.
			,			
						Analyze the fundamental knowledge of nanochemistry and
·					CO5	differentiate nanotechnology from current technologies.
•						Elucidate the digital computer organisation and develop the
					001	solution with algorithm, flowchart and pseudo code code
					CO1	for basic computing problems
						To solve basic scientific and statistical problems, apply the
					CO2	distinct looping structure.
	C105	I	GE6151	Computer		Plan the solutions using arrays and strings for simple
			GEO131	Programming	CO3	problems
1						Illustrate the need for the assignment of dynamic memory
					CO4	and pointer variables.
						Using a sample programs to demonstrate the notions of
1		•			CO5	structure and union.
					<u> </u>	
					CO1	Design and draw the conic sections, special curves, and
					001	Pictorial views and styles of orthographic views.
						Implement orthographic point projection rules to all
					CO2	quadrants, lines and planes in the first quadrant.
						quadrants, times and prantes in the first quadrant.
	•					Design and obtain the traces of plane figures from the
	C106	I	GE6152	Engineering Graphics	CO3	projections of simple solids such as prisms, pyramids,
			CEOLOZ	Tributtuil Grapinos		cylinders and cones.
- Commence of the state of the						Train and expand the lateral surfaces of sectional views of
waar Min min min in talaa ka k				·	CO4	solids such as cubes, prisms, pyramids, cylinders & cones.
Dr. K. KARUPPASAM	Y M.E., Ph	υ.,				Picture the projection of plain solids, truncated prisms,
n - france & H	മെറ					pyramids, cones and cylinders in perspective and sketch
Something Science	R FLightee	ng			CO5	the isometric projection of simple components of the
RVS College of Engg.	La Technolo	4:4				machine.
Coimbatore - 64	1 40107	I	GE6161	Computer Practices	COI	Explain the use of software for office automation
Golffibators		<u> </u>	GEOTO	Compator Fractions	icor	Explain the use of software for office automation

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:					CO3	Plan and execute the basic application of the C program.
					CO4	Development and delivery of recursive programs.
,					CO5	With the assistance of Structures and Union, implement the C program
,		, 1			CO1	Electrical and electronic circuit design.
	C108	I	GE6162	Engineering Practices	CO2	Analyze various types of circuits and components for electronics.
	İ		GENTOZ	Laboratory	CO3	Recognize guidelines for electrical safety, grounding, general wiring for the building.
·					CO4	Explore the art of soldering.
	C109	I	GE6163	Physics and Chemistry	CO1	The students' hands on experiments will assist them in applying the physical concepts of optics and thermal physics to determine the engineering properties of materials.
			Laboratory-I	CO2	Implement the chemical study of chloride and dissolved oxygen in quantitative terms.	
·					СОЗ	Determine the quantity of acids using the conductivity metre and pH metre method
	C110 II	·			CO1	Talk convincingly, clearly articulate their thoughts, start a debate, compromise, use acceptable communicative techniques to argue.
		C110 II HS6251	HS6251	Technical English-II	CO2	Write and create various styles of writing effectively and persuasively, such as narrative, explanation, exposition and argument, as well as artistic, critical, analytical and evaluative writing.
a de l'antique de l			1401milean Dingilish 11	CO3	Read various genres of texts, infer implied meanings and examine and evaluate them objectively for ideas as well as for presentation methods	
Dr. K. KARUF	PASAM	M.E., Ph.D.			CO4	Listen/view and objectively consider various spoken extracts and infer unspoken and inferred meanings
Profe	essor & HP	ead & Engineering			CO5	Efficient reading and writing for a range of technical and social settings
RVS College Coint	of Encg. & atole 1 64	Technology 1 402II	MA6251	Mathematics - II	CO1	Bring vector calculus information to engineering Disciplines.
			î		CO2	Solve ordinary equations of differentials that model the

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CO3 Using Laptace transform to find the Laptace transform of the Cost transform of transform of the Cost transform of transform of the Cost transform o							
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Dr. K. KARUPPASAIMY M.E. Dept. of Computer Science & Engine RVS College of Engs Coimbatore - 641 402 Dr. K. KARUPPASAIMY M.E. Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Computer Science & Engine Coimbatore - 641 402 Dept. of Coimbatore - 641 402		U114	11	CS6201			
Dr. K. KARUPPASALMY M.E. Brofessor & Head Professor & Head Dept. of Computer Science & Engine Broscope Eng. & College of Eng. & College	A -				DJ Stolli Loosigh	CO3	
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RVS College of Engl. 641 402 Colmbatore - 641 402 Data Structures I CO2 Demonstrate the procedure of handling files and heterogeneous data types using C programs.		ふんな か にほびけい	J. ,			1	
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heterogeneous data types using U programs.	RAS College of Fluar	641 402	, 1	C30202	Data Structures I	CO2	· • • • • • • • • • • • • • • • • • • •
	Collingion			<u> </u>		1002	heterogeneous data types using C programs. RVS College of

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					1	Explain the operations of Abstract Data Type-Linked List
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					CO4	Implement the operations of Abstract Data Types-Stack
			-		CO4	and Queue with examples. Explore different sorting, searching algorithms and hashing
					CO5	techniques.
						Capability to test materials by using their knowledge of
					CO1	applied physics principles in optics and properties of
•	C116	II :		Physics and Chemistry		matter.
			GE6262	Laboratory - II	CO2	Decide the hardness, alkalinity and metal ion content in the
				,	002	water samples by volumetric titration. Approximate the water quality parameters by
		·			CO3	potentiometer, conductometer and flame photometer.
ľ						Relate Boolean simplification techniques to design a
					CO1	combinational hardware circuit
: - -					000	Propose and apply combinational and sequential
	C117	II		Digital Laboratory	CO2	circuits
		11	CS6211		CO3	Investigate a given digital circuit – combinational and sequential
					CO4	Propose the different functional units in a digital computer
					CO4	system
					CO5	Plan and apply a simple digital system.
				· *	CO1	Develop and implement C programs for implementing stacks, queues, and linked lists.
				Programming and Data	G0.	Implement good programming design methods for
	C118	II	CS6212	Structures	CO2	programdevelopment.
				Laboratory I	CO3	Implement the different data structures for implement solution to practical problems.
				·		
					CO4	Build applications for searching and sorting.
					CO1	Resolve Differential Partial Equations.
					CO2	Decide the extension of functions in the Fourier series and
					CO2	thus determine the importance of the infinite series.
e see	C201	III		Transforms and Partial	000	To solve the one-dimensional wave equation, one-dimensional heat equation and two-dimensional heat
-x	7000	MY M.E., Ph.	D.,MA6351	Differential Equations	CO3	equation, apply the method of separation of variables.
VDr. KKAF	MENALON	Head				Consider the Fourier function transformation and also use
Tr. II	C201 III RUPPASAMY M.E., Ph rofessor & Head mputer Science & Enginee age of Engli, & Technol	11:10		CO4	Fourier transformation to test definite integrals	
Dept. of Co	mpuler 500	3. & Technok 241 402	<i>€1</i>	4	CO5	Determine the Z-transform of discrete time systems and
- RAS COM	age of Engl	241 402 .			1000	use Z-transform to solve the difference equations

granding service and service signs of the contract of the cont	الدومين البارات ال		A		201 · {	Discuss the basic principles of programming with object oriented programming
					CO2	For problem solutions, apply the principles of polymorphism, inheritance and virtual functions.
	C202	III .	CS6301	Programming and Data Structure II	соз	By way of exception handling, explore the generic problem solution, standard libraries with necessary errors.
					CO4	Understand the use of various advanced nonlinear data structures - balanced trees for collection, heaps and height.
!					CO5	In solving the problems of the real world, apply the non- linear data structure graph.
					CO1	Explore the basic concepts of Computer Database Management
					CO2	Database development using query languages
	C203	Ш	CS6302	Database Management Systems	CO3	Understand the concept of managing transactions and controlling concurrency.
					CO4	Develop knowledge of internal storage structure and methods of indexing
					CO5	Connect databases with security principles.
				Computer Architecture	CO1	Explain the "Microprocessor without Interlocked Pipeline Stages" (MIPS) architecture operations and instructions
					CO2	Floating Point Multiplication and Division Algorithms model arithmetic and logic units.
*	C204	III	CS6303		соз	Design the architecture of MIPS by building the pipeline data path and control path.
·					CO4	Evaluate pipeline control units with Parallelism of Instruction Stage
					CO5	Categorize the performance of various systems for Memory and Input-Output.
					CO1	Build various analog communication techniques in all communication systems
a					CO2	construct various digital communication techniques in all communication systems.
}	C205	III	CS6304	Analog and Digital Communication	CO3	For lighting applications, the use of data and pulse modulation techniques
Dr. K. KARUPPASAMY	Υ M.E., Ph.C] .,			CO4	Develop Source and Error control coding in both wired and wireless communication systems.
Professor & He	ad				CO5	Application of multi-user messaging radio systems
Dept. of Computer Science RVS College of	C206] III	GE6351	Environmental Science and	CO1	Classify the importance of public awareness on environment and nature of biodiversity
Coimba	160		. /	-		mun Author
			-			RVS College

				Engineering		Explain the various causes, effect and control measures of
2 . O Brancher	 නමාල <i>න</i> ෙන	Annahi in in in in	ರಾಷ್ಟ್ರಾಪ್ತ ಕಾಗ್ಗ	Street of the st	C02 4	environmental politition.
					CO3	Design the human development that leads to environmental disasters, the value of natural resources and their conservation
					CO4	Elucidate the value of public participation in environmental protection, Environmental Management and Legislation Acts and sustainable development.
					CO5	Assess the problems related to population and their remedial measures
				Programming and Data Structure Laboratory II	CO1	Compose C++ programs using the concepts of abstraction, encapsulation, constructor, polymorphism, overloading and inheritance for solving problems.
	C207	ın	CS6311		CO2	Plan and apply C++ programs for manipulating stacks, queues, linked list, tress and graphs.
					CO3	Develop the different data structures for realizing solutions to practical problems.
					CO4	Construct recursive programs using trees and graphs.
				Database Management Systems Laboratory	CO1	Construct and apply a database schema for a given problem domain.
	C208	Ш	CS6312		CO2	Generate and query a database.
A			C30312	*	CO3	construct and retain tables using PL/SQL
					CO4	Execute the database triggers and functions
					CO1	Relate the knowledge of probability distributions to tackle real life problems, in particular, analyzing the performance of computer systems.
				,	CO2	Form and analyze two dimensional random variable problems.
	C209	IV	MA6453	Probability and Queueing Theory	CO3	Describe phenomenon which evolve with respect to time in a probabilistic manner.
					CO4	Describe the Markovian queueing system
Dork KA	RUPPAS	AMY M.E., PI	.D.,		CO5	Relate the knowledge of Non-Markovian queueing models and queueing networks in solving problems in computer science engineering.
					CO1	Explain the Network fundamentals and terminology
Dept. of C	omputer Sch	ence & Engineers, & Technol	99 √CS6551	Computer Networks	CO2	Distinguish the different internetworking devices and their functions
	olmbatore	-04140-			CO3	Discover the network with routing and multicasting
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· · [Clarify the detailed inner workings of TCP/IP protocol	
a gy a gay a sa agy a sa da gay a sa da sa da gay a sa ga sa d		B	the second	- James in the Control of the Market in	C34 ·	Suit.	gen Segara a segara de la composição de la La composição de la compo
		:			CO5	Examine the features and operations of various application layer protocols such as HTTP, DNS, and SMTP.	
					CO1	Classify the basic concepts, System call, structure and functions of Operating Systems.	• •
	C211	IV			CO2	Propose the various Scheduling algorithms, Deadlock prevention, Deadlock avoidance algorithms and apply the principles of concurrency	
	C211	,	CS6401	Operating Systems	соз	Exhibit the usage of various memory management schemes	
					CO4	Summarize the concepts of Mass Storage Structure, File System Structure and I/O Systems.	
					CO5	Apply administrative tasks on Linux servers.	
					CO1	Explain the fundamentals of algorithmic problem solving and able to analyse recursive and non-recursive algorithms	
					CO2	Plan algorithms for various computing problems using brute force and divide-and conquer technique	
	C212	IV	CS6402	Design and Analysis of Algorithms	CO3	Examine the time and space complexity of various algorithms using dynamic programming and greedy technique.	
		,		·	CO4	Investigate the different algorithm design techniques for a given problem using iterative improvement	
	:				CO5	Alter existing algorithms to improve efficiency.	
					CO1	Plan and apply programs on 8086 microprocessor.	
					CO2	Apply the system bus structure of 8086 and coprocessor	
	C213	IV	EC6504	Microprocessor and	CO3	Explain the I/O devices, peripherals and bus interfacing.	
<u>.</u>				Microcontroller	CO4	Detailed the operation of 8051 microcontroller architecture and implement ALP using 8051 instructions	
and a second sec	por Y ^m elo	ln ·			CO5	Propose and apply 8051 microcontroller based systems	
K. KARUPPASAN Professor & pt. of Computer Scient			05(402	Safting Francisco	CO1	Explain the purpose and facts of different software development process models with an insight into generic process framework.	marian marian anna anna d
pt. of Computer Sciency VS College of Engg Combatore -	& Techrol 341 402	PQ4	CS6403	Software Engineering	CO2	Classify the functional and non-functional requirements for software development by preparing IEEE Software PRI Requirements Document.	NCIPAL gineering & Techno

and Marie Marie and the Company of t	South St. St. St. St.		2 % - 1 - 1 - 1 - 1 - 1 - 1	······································	CGS	State software design activities using data flow diagrams and architectural diagrams.
					CO4	Generate a testing framework by understanding the purposes and stages of software testing and test-driven development.
•		•			CO5	Elucidate the project management activities involved in developing a framework including planning, scheduling, risk assessment/management.
:	·				CO1	Explain the usage of socket programming and client server model.
	C215	IV	CS6411	Networks Laboratory	CO2	Employ the different protocols and network commands
			050111	Tiomonia Baoonatory	CO3	Plan and apply the application using TCP concepts
					CO4	Apply the algorithms with the help of Network Simulator
					CO1	Create ALP Programs for fixed and Floating Point and Arithmetic.
	C216	IV		Microprocessor and Microcontroller Laboratory	CO2	Similar I/O 8086 processor interface.
	0210	1 1 1	CS6412		CO3	Create waveforms using 8086 processors.
				Laboratory	CO4	Generate and accomplish ALP Programs in 8051
					CO5	Elucidate the difference between Simulator and Emulator
A.				Operating Systems	CO1	Employ the basics of shell programming
					CO2	Utilizing system calls and enforce the programming in C.
	C217	IV	CS6413		CO3	Relate the file system related system calls.
·		·	C30413	Laboratory	CO4	Generate processes and implement IPC.
				,	CO5	Contrast the performance of various CPU Scheduling Algorithm, Implement deadlock avoidance, and Detection Algorithms
					CO1	Illustrate the concepts needed to test the logic of a program
0	DAASK W.E	Ph.D.,			CO2	Recognize the structures on many levels and be aware of the counting principles.
Dr.K. KARUPPA Professor	or & Head	v	MA6566	Discrete Mathematics	CO3	Describe graph terminology and special types of graphs
Dept. of Computer	ngg & Tec	nnology			CO4	Demonstrate the concepts and properties of algebraic structures such as groups, rings and fields
RVS College of Colmbato	re - 641 40	2	,	<u> </u>	CO5	Elucidate the concepts of Lattices and Boolean algebra.

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	gn spillthoatha		on one of the second of the se	2003 on 1880 out to 1880 on 18	CO1	Execute Java programs.
		:			CO2	Generate a basic website using HTML and Cascading Style Sheets.
	C302	v	CS6501	Internet Programming	CO3	Plan and apply client side programs using JavaScript and server side programs using Servlets and JSP
					CO4	Propose and execute simple web page in PHP, and to present data in XML format
:	:				CO5	Propose rich client presentation using AJAX and implement web services
					CO1	Employ the UML analysis and design diagrams.
					CO2	Define and use the design patterns for GRASP and the patterns for GoF Design.
	C303	V	CS6502	Object Oriented Analysis and Design	СОЗ	Evaluate and design use case modeling and domain modeling
					CO4	Relate appropriate design patterns
	·				CO5	Plan and apply projects using Object Oriented concepts and compare various testing techniques
			CS6503	Theory of Computation	CO1	Build a minimized finite automaton to recognize a given regular language.
					CO2	Explain formal relationships among machines, languages and grammars.
	C304	V C			CO3	Create the pushdown automata for all the context free language.
·					CO4	Develop the basic properties of Turing Machines and Techniques for turing machine construction.
					CO5	Elucidate the decidability or Un-decidability of various problems
					CO1	Explain the graphics hardware devices, software used and different drawing algorithms
					CO2	Implement two dimensional transformations and clipping techniques to graphical objects
<u> </u>	C305	V	CS6504	Computer Graphics	СОЗ	Plan three-dimensional graphical objects and apply three dimensional transformations into graphical objects.
r. K. KARUPPASAMY Professor & He	ME Phi		·		CO4	Elucidate the illumination and color models.
	ad				CO5	Plan an animation sequences
Dept. of Computer Science RVS College of Engg. &	& Engineeri	V	CS6511	Case Tools	CO1	Plan and employ projects using Object Oriented concepts.
Coimbatore - 64	402		/ / /	Laboratory	CO2	Apply the UML analysis and design diagrams

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ing - Transcription Sugar Self Control Special Con-	503+ 30 m 3 m	e etestos - co e	and the second s	Harmonia a saga a dinga a saga a	ርቦ3	Implement appropriate design patterns
•					CO4	Generate code from design
					CO5	Evaluate and compare various testing techniques.
				•	CO1	Propose user interfaces using Java frames and applets.
					CO2	Develop Web pages using HTML/XML and style sheets.
	C307	V	CS6512	Internet Programming Laboratory	СОЗ	Design dynamic web pages using server side scripting an write client server applications
					CO4	Implement the frameworks like JSP Strut, Hibernate, Spring.
					CO5	Make applications with AJAX and web services
					CO1	Elucidate the basics of graphics programming
	C308	v	~~	Computer Graphics	CO2	Generate 2D animations
			CS6513	Laboratory	CO3	Design image manipulation and enhancement.
					CO4	Generate 3D graphical scenes using open graphics library suits.
	To the second se		CS6601	Distributed Systems	CO1	Describe the trends and challenges in distributed system
					CO2	Build network virtualization, remote method invocation and objects.
	C309	VI			CO3	Exhibit peer-to-peer services and distributed file system.
					CO4	Examine the issues related to scalability, synchronization transaction processing, concurrency and reliability in distributed system.
					CO5	Develop process and resource management systems
·					CO1	Illustrate the basic concepts of mobile computing and MAC protocol.
	C310	VI			CO2	Select the required functionality at each layer for given application.
Professor		,	IT6601	Mobile Computing	CO3	Elucidate the basics of mobile telecommunication system
	TRAVAGE	Ph.D., .			CO4	Develop Ad hoc networks
	Head				CO5	Design a mobile application
	nce & Engir C3-11	eering .		·	CO1	Formulate the basic concepts of compiler and its phases
Dept. of Computer Science RVS College of Eng Colmbatore	g. & Techi - 641 402	VIVO) ** I	CS6660	Compiler Design	CO2	Execute the functionalities of lexical analysis phase like conversion of regular expression to DFA and minimizate
-						RVS College

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and the state of t	··· · · · · · · · · · · · · · · · · ·	an aya N© gara territoria. E	inga in community at the	The state of the s	CO3	Prain the parsing table using different parsing techniques and different compiler construction tools	3 lgr
		:			CO4	Elucidate the translation process and run time environment issues.	
		•			CO5	Relate the various optimization techniques for effectively generating machine code.	
		ì			CO1	Examine the properties of discrete time signal and properties of systems using Z-transform.	
	C312	, VI	IT6502	Digital Signal	CO2	Relate the concepts of frequency transformations like DFT, FFT and DCT in analysis of various signals and systems	
			110302	Processing	CO3	Develop Infinite Impulse response (IIR) digital filters	
	:				CO4	Generate Finite Impulse response (FIR) digital filters.	
					CO5	Analyse the finite Word length effects in digital filters.	
					CO1	Recognize appropriate AI methods to solve a problem using search technique.	
	C313 VI				CO2	Exhibit the knowledge in predicate and propositional logic and their roles in logic programming.	
		VI	CS6659	Artificial Intelligence	CO3	Generate a given problem in the language / framework of different AI methods.	
					CO4	Implement the machine learning techniques in solving the real world problems.	
					CO5	Explain the idea of Knowledge Acquisition and Expert Systems	
			:		CO1	Elucidate and interpret the basics of software testing and the generic testing process	
					CO2	Design test cases suitable for various domains using	
	C314E1	VI	TOCODA	C. C. T.		multiple test case design strategies Understand the various levels of testing and identify	-
			IT6004	Software Testing	CO3	the suitable tests to be carried out	-
6					CO4	Organize the test plan, develop the test plan and validate the test plan	
V					00.5	Implement multiple automation tools for testing and	1.
Dr. K. KÄRUPPASAM)		2.,			CO5	assess the various testing metrics	or Gillprish uma
Professor & He Dept. of Computer Science	2. E G31.5 9#		CS6611	Mobile Application Development	CO1	Clarify the architecture of mobile application development frameworks	
RVS College of Engg. & Colmbatore - 64	Technolog	y" i	CSOOTI	Laboratory	CO2	Decide the required architecture based upon the	J VCIP

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	_	_				mobile application to be developed
ರ್ಯವರ್ಷ ನೀವರ್ ಆಗುತ್ತಿ ಅವರ ಅವರ ಗಡಿಸಿಕೆ - ಭಾರ್ಡ್ ೧೯೯೪ ಕೊಡ್ಡಿಕೆ)	i i i i i i i i i i i i i i i i i i i	in the second se	 From the control of the	CO3	Plan mobile applications using various layout and widgets
•					CO4	Execute various mobile applications using emulators.
•		:			CO5	Organize applications to hand-held devices
				: :	CO1	Clarify and Use the compiler writing tools.
		VI	CS6612	Compiler Laboratory	CO2	Apply the different Phases of compiler using tools.
	C316				СОЗ	Examine the control flow and data flow of a typical program
					CO4	Configure a given program.
					CO5	Make an assembly language program equivalent to a source language program
	C317	2317 VI	GE6674	Communication and Soft Skills - Laboratory Based	CO1	Classify and interpret graphics, interact, give presentations and engage in GD in formal and informal conversations.
					CO2	Describe higher-level reading comprehension passages, draught CV, cover letter, papers, emails, and blog posting.
					CO3	Distinguish between IELTS & TOEFL Placement-oriented assessments for verbal ability.
					CO4	Exhibit appropriate verbal, non-verbal and paralinguistic
					CO1	Understand the basic concepts, OSI security architecture, finite fields and number theory.
Dr. K. KARUPPASAMY I Professor & Hea	ead d		CS6701	Cryptography and Network Security	CO2	Evaluate the various Cryptographic techniques.
					CO3	Decide the usage of hash functions and digital signature
Dept. of Computer Science &	Engineering				CO4	Develop the various secure applications
RVS College of Engg. & T Colmbatore - 641	402				CO5	Introduce secure coding in the developed applications.
9			CO1	Generate precise and accurate mathematical definitions of objects in graph theory		
	C402		Graph Theory and Applications	CO2	Employ mathematical definitions to identify and construct examples of spanning trees and planar	
					002	graphs P

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in a state of the	ing a Ogana Oggenare	comply of Spire 1.) ··· · · · · · · · · · · · · · · · · ·	The state of the s	↑ € 33 †	Evaluate and critically assess a mathematical proof in graphs and digraphs.
					CO4	Implement the techniques of permutations and combinations and Binomial theorem for solving problems in Engineering
		:			CO5	Develop and solve generating functions, homogeneous and non-homogeneous recurrence relations.
					CO1	Explain the architecture of Grid and Cloud Computing
			CS6703	Grid and Cloud Computing	CO2	Implement the knowledge to solve the large-scale problem in grid computing
	C403	VII			CO3	Describe the concepts of Virtualization
		į			CO4	Design the web services using the grid and cloud technologies.
•			CO5	Implement security mechanism in grid and cloud computing		
	C404 V	04 VII CS6704	I CS6704	Resource Management Techniques	CO1	Build the knowledge of linear programming problems in engineering disciplines
					CO2	Resolve LPP using dual simplex method, transportation and assignment problems
					CO3	Relate integer programming to solve real life problems
					CO4	Explain problems in classical optimization theory
	:				CO5	Employ PERT and CPM for problems in project management
e employee					CO1	Design a simple XML document coding and XML Schema.
r. K. KARUPPASAMY N	Head e & Engineering & Telephology VII	Ph.D.,			CO2	Generate an application based on XML and database.
Professor & Head Dept. of Computer Science & I RVS College of Engg. & To		IT6801	Service Oriented Architecture	CO3	Contrast the characteristics and principles of Service oriented architecture with client server and distributed architecture.	
Coimbatore - 641 4					CO4	Explain the web services using WSDL, SOAP and UDDI.
			CO5	Construct a Service oriented architecture based applications for intra-enterprise and inter- enterprise applications using J2EE.		

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C406E3 VII CS6007 Information Retrieval C406E3 VII CS6007 Information Retrieval C407 VII CS6711 Security Laboratory C407 VII CS6711 Security Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C409 VII CS6712 Frofessor & Head Det. of Computer Science & Engineering Rys College of Engg. & Technolcyy Colmbetore - 641 4 b2 C410E4 VIII CS6008 Fuluran ComputerInteraction C5600 Information Retrieval C570 Information Information C570 In	and the second of the second o	্ ১৯১৮ - সাভাই	· Open-a		Burger (Burger)	CO4	Clarify about the IR components and Web Search Engine Framework
C407 VII CS6711 Security Laboratory C408 VII CS6712 Security Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C409 VIII CS6801 Multi—Core Architectures and Programming PVS College of Engle, a Technology Coimbatore - 641 402 C410E4 VIII CS6608 Technology Coimbatore - 641 402 C410E4 VIII CS6608 Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Science 3 Engineering RVS College of Engle, a Technology Computer Interaction Computer Interaction. C409 VIII CS6801 Professor & Head Programming Programming RVS College of Engle, a Technology Computer Interaction. C409 Professor & Head Programming RVS College of Engle, a Technology Computer Interaction. C409 Professor & Head Programming RVS College of Engle, a Technology Computer Interaction. C409 Professor & Head Programming RVS College of Engle, a Technology Computer Interaction. C409 Professor & Head Programming RVS College of Engle, a Technology Computer Interaction. C409 Professor & Head Programming RVS College of Engle, a Technology Computer Interaction. C409 Professor & Head Programming RVS College of Engle, a Technology Professor RVS College of Engle, a Technology Professor RVS College of Engle, a Technology Professor RVS Colle			:			CO2	Understand various information retrieval models
C407 VII CS6711 Security Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory Dr. K. KARUPPASAMY M.E., Ph.D., Professor & Head Dept. of Computer Scleare & Engineering RVS College of Engs. & Technology Colimbatore - 641 4D2 C410E4 VIII CS6008 Thurst and Computer Interaction C409 VIII CS6008 Thurst Computer Interaction C400 Thurst Camputer Interaction C400 Thurst C	•	C406E3	VII	CS6007	Information Retrieval	CO3	optimization
C407 VII CS6711 Security Laboratory C408 VII CS6712 Security Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C56712 Grid and Cloud Computing Laboratory C56712 Grid and Cloud Computing Laboratory C56712 Grid and Cloud Computing Laboratory C6712 Grid and Cloud Computing Laboratory C6713 Execute Virtual machine and install software on it. C5714 CC04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C5714 Design application using Grid framework C6715 Execute Virtual machine and install software on it. C5715 CC04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C5715 Design application using Grid framework C6716 Execute Virtual machine and install software on it. C5715 CC04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C5716 Design application using Grid framework C6717 CC04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C5717 Design application using Grid framework C6718 Execute Virtual machine and install software on it. C6719 CC04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C6719 Design application using Grid framework C6720 Execute Virtual machine and install software on it. C672 CC04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C6720 Execute Virtual machine and install software on it. C672 CC04 CC04 CC04 CC04 CC04 CC04 CC04 CC0			·			CO4	
C407 VII CS6711 Security Laboratory C02 Design the various security algorithms Select different open source tools for network security and analysis. C03 Execute Wirtual machine and install software on it. C0408 VII CS6712 Grid and Cloud Computing Laboratory C3 Execute Virtual machine and install software on it. C05 Execute Virtual machine and install software on it. C06 Execute Virtual machine and install software on it. C07 Execute Virtual machine and install software on it. C08 Execute Virtual machine and install software on it. C09 Expain the various security algorithms Select different open source tools for network security and analysis. C01 Design application using Globus toolkit C02 framework C03 Execute Virtual machine and install software on it. C05 Expain the various security algorithms Select different open source tools for network security and analysis. C02 framework C03 Execute Virtual machine and install software on it. C05 Expain the various security algorithms Select different open source tools for network security and analysis. C06 framework C07 Execute Virtual machine and install software on it. C08 Execute Virtual machine and install software on it. C09 Foreite application using OpenStack / Open Nebula / Expain the parallel architecture and parallel programming model Expain the various security and analysis. C09 framework C00 Execute Virtual machine and install software on it. C01 Expain the various security and analysis. C02 Execute Virtual machine and install software on it. C03 Execute Virtual machine and install software on it. C04 Expain the various specifical musing Globus toolkit C05 Execute Virtual machine and install software on it. C06 Examine the issues related to various challenges in parallel programming applications using openMPP C04 Examine the issues related to various challenges in parallel programming applications using openMPP C06 Examine the issues related to various challenges in parallel programming applications using openMPP C07 Examin			i			CO5	
C408 VII CS6712 Grid and Cloud Computing Laboratory C408 VII CS6712 Grid and Cloud Computing Laboratory C56712 C56712 Grid and Cloud Computing Laboratory C56712 C56712 C56712 C56712 Grid and Cloud Computing Laboratory C6408 C6409 C760 C7						CO1	Apply the cipher techniques
C408 VII CS6712 Grid and Cloud Computing Laboratory C409 VIII CS6801 Multi – Core Architectures and Programming Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technolcgy Coimbatore - 641 402 C410E4 VIII CS6008 The state of the st		C407	VII	CS6711	Security Laboratory	CO2	Design the various security algorithms
C408 VII CS6712 Grid and Cloud Computing Laboratory C56712 Generate web services/application using Grid framework C03 Execute Virtual machine and install software on it. C0408 CO5 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus Describe applications using MapReduce approach in Hadoop environment Explain the parallel architecture and parallel programming model Examine the issues related to various challenges in parallel programming Expand parallel programming applications using OpenMP Plan and develop distributed programming application using openMP C05 Plan and develop distributed programming application using openMP C06 Contract and analyze the programming model for serial processor and parallel processor implementation C07 Contract and analyze the programming model for serial processor and parallel processor implementation C08 Contract application using OpenMP C09 Plan and develop distributed programming application using openMPI C09 Contract and analyze the programming model for serial processor and parallel processor implementation C09 Execute Virtual machine and install software on it. C01 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C01 Execute Virtual machine and install software on it. C03 Execute Virtual machine and install software on it. C04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus Expand parallel programming expanded in parallel programming applications using openMP C08 Plan and develop distributed programming application using openMP C09 Plan and develop distributed programming applications of parallel processor and parallel processor implementation C09 Service Virtual machine and install software on it. C01 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C03 Execute Virtual machine and install software on it. C04 Construct a private cloud using OpenStack / Open Nebula / Ecualyptus C05 CO5 CO6 Service Virtual machine and install software on it. C06 Service Virtual machine and in						CO3	
C408 VII CS6712 Grid and Cloud Computing Laboratory CS6712 Grid and Cloud Computing Laboratory CO3 Execute Virtual machine and install software on it. Construct a private cloud using OpenStack / Open Nebula / Ecualyptus Describe applications using MapReduce approach in Hadoop environment Explain the parallel architecture and parallel programming model Examine the issues related to various challenges in parallel programming expanding applications using OpenMP Operation of Computer Science & Engineering RVS College of Engg. & Technology Colimbatore - 641 4D2 C410E4 VIII CS6008 CO3 Multi – Core Architectures and Programming Expand parallel programming applications using OpenMP Plan and develop distributed programming application using openMPI Contrast and analyze the programming model for serial processor and parallel processor implementation CO1 Elucidate the basic foundations of Human Computer Interaction. CO2 With disabilities	*					CO1	Design application using Globus toolkit
C408 VII CS6712 Computing Laboratory CO3 Execute Virtual machine and install software on it. CO408 CO409 CO409 Dr. K. KARUPPASAMY M.E., Ph.D., Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technolcgy Coimbatore - 641 4D2 C410E4 VIII CS6008 Computer Science & CO408 CO40				CS6712	Computing	CO2	
C409 Dr. K. KARUPPASAMY M.E., Ph.D., Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technology Colmbatore - 641 4D2 C410E4 VIII CS6008 C409 VIII C56008 C409 Architectures and Programming Aulti - Core Architectures and Programming model Expand parallel programming applications using openMP C409 Expand parallel programming applications using openMP C409 C4		C408	VII			CO3	Execute Virtual machine and install software on it.
C409 Dr. K. KARUPPASAMY M.E., Ph.D., Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technology Coimbatore - 641 4)2 C410E4 VIII CS6008 Multi – Core Architectures and Programming Multi – Core Architectures and Programming Multi – Core Architectures and Programming C02 Expand parallel programming applications using openMP CoopenMP Plan and develop distributed programming application using openMPI Contrast and analyze the programming model for serial processor and parallel processor implementation C03 Expand parallel programming C04 Plan and develop distributed programming model for serial processor and parallel processor implementation C05 Elucidate the basic foundations of Human Computer Interaction. Propose effective HCI for individuals and persons with disabilities						CO4	Nebula / Ecualyptus
C409 Dr. K. KARUPPASAMY M.E., Ph.D., Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technology Coimbatore - 641 402 C410E4 VIII CS6008 Multi – Core Architectures and Programming Multi – Core Architectures and Programming CO3 Expand parallel programming applications using openMP Plan and develop distributed programming application using openMP Contrast and analyze the programming model for serial processor and parallel processor implementation Co1 Elucidate the basic foundations of Human Computer Interaction. Propose effective HCI for individuals and persons with disabilities						CO5	Hadoop environment
C409 Dr. K. KARUPPASAMY M.E., Ph.D., Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technology Coimbatore - 641 402 C410E4 VIII CS6008 Multi – Core Architectures and Programming Multi – Core Architectures and Programming Multi – Core Architectures and Programming Expand parallel programming applications using openMP C03 Expand parallel programming applications using openMP Contrast and analyze the programming model for serial processor and parallel processor implementation C10 Elucidate the basic foundations of Human C20 C02 Propose effective HCI for individuals and persons with disabilities						CO1	
Dr. K. KARUPPASAMY M.E., Ph.D., Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technology Coimbatore - 641 4D2 CS6801 Architectures and Programming Architectures and Programming Programming Architectures and Programming Plan and develop distributed programming application using openMPI Contrast and analyze the programming model for serial processor and parallel processor implementation Elucidate the basic foundations of Human Computer Interaction. Propose effective HCI for individuals and persons with disabilities	j					CO2	parallel programming
Professor & Head Dept. of Computer Science & Engineering RVS College of Engg. & Technology Coimbatore - 641 402 CO4 application using openMPI Contrast and analyze the programming model for serial processor and parallel processor implementation Elucidate the basic foundations of Human Computer Interaction. Propose effective HCI for individuals and persons with disabilities		M.E., Ph.D., Engineering echnology	ring C56801	CS6801	Architectures and	CO3	
RVS College of Engg. & Technology Coimbatore - 641 402 Coimbatore - 641 402 Computer Interaction.	Professor & Head					CO4	
C410E4 VIII CS6008 Human Computer Interaction CO2 Propose effective HCI for individuals and persons with disabilities	RVS College of Engg. & Te				CO5	serial processor and parallel processor	
C410E4 VIII CS6008 Human ComputerInteraction CO2 Propose effective HCI for individuals and persons with disabilities			1		_	CO1	Elucidate the basic foundations of Human
	9	C410E4	C410E4 VIII CS	CS6008		CO2	Propose effective HCI for individuals and persons
CO3 assess the importance of user feedback					CO3	Make simpler the issues in the HCI Models and	

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3. · · , 23. * · 35. · · · ·		39 - 1 - 30		O34	State the Mobile HCI implications for designing multimedia/ economerce/ e-learning web sites
	,			CO5	Design the meaningful user interface.
				CO1	Clarify the need for Software Project Management and control
0411	3.7777		Software Project Management	CO2	Categorize the various activities of project scheduling and evaluation
C411	C411 VIII	MG6088		CO3	Sketch the risk assessment and management process
		,		CO4	Display different models of software process and network planning
;				CO5	Review organizational behaviors and management
		CS6811	Project Work	CO1	Recognize technically and economically feasible problems of social relevance
				CO2	Map and make the project team with assigned responsibilities
C412 VIII			СОЗ	Recognize and survey the relevant literature for getting exposed to related solutions	
				CO4	Examine, design and develop adaptable and reusable solutions of minimal complexity by using modern tools
				CO5	Execute and test solutions to trace against the user requirements

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