RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641 402
`DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Regulation – 2013-PG

Course ID	Semester	Course Code	Course Name	Course Outcomes	
C101	I	MA7155	Applied Probability and Statistics	CO1	Concern the concept of random variable to find moments& moment generating functions of distributions
				CO2	Stumble on marginal, conditional distribution, statistical average for the standard probability function.
				CO3	Come across the M.L.E and use the principle of least squares for curve fitting and regression lines.
				CO4	Make out small, large samples and apply testing of hypothesis.
				CO5	Investigate the multivariate methods for normal density and principal components from standardized variables
C102	I	CP7101	Design and Management of Computer Networks	CO1	Comprehend the process of designing a computer network
				CO2	Identify with the addressing strategies for managing the networks.
				CO3	Charge the functions of flow analysis.
				CO4	Value the routing strategies for managing the networks.
				CO5	Revise the process of optimizing a network.
C103	I	CP7102	Advanced Data Structures and Algorithms	CO1	Know the principles of iterative and recursive algorithms.
				CO2	Aim and implement optimization algorithms in specific applications
				CO3	Intend implements dynamic programming algorithms.
				CO4	Realize the concept of shared and concurrent objects
				CO5	Execute and apply concurrent linked lists, stacks, and queues.
C104	I	CP7103	Multicore	CO1	Categorize the limitations of ILP and the

Dr. K. KARUPPASAMY M.E., Ph.D.,
Professor & Head
Dept. of Computer Science & Engineering
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			Architectures		need for Multicore architectures
				CO2	Talk about the issues related to Vector Processing, GPU and software pipelining
				CO3	Aptitude to discuss issues on multiprocessors, cache coherence and interconnection networks
				CO4	Facility to discuss the architecture and workloads for warehouse scale computers.
				CO5	Converse the architecture of embedded processors and multiprocessors
C105, E1	I	SE7103	Formal models of software systems	CO1	Be relevant the basic elements of Z
				CO2	Expand relational, functional, and logical Z structures
				CO3	Enlarge Z schema as models of software systems
				CO4	Carry out verifications and conduct proofs using Z models
				CO5	Purify Z models towards implementing software systems
C106, E2	I	NE7002	Mobile and Pervasive Computing	CO1	Take the fundamental of basics of Mobile Computing and Pervasive Computing
				CO2	Build the role of Cellular Networks in Mobile and Pervasive Networks
				CO3	Be appropriate the knowledge in concept of sensor and mesh networks
				CO4	Display the tools with context aware and wearable computing
				CO5	Exhibit the Application and Manage the Memory
C107	I	CP7111	Advanced Data Structures Laboratory	CO1	Intend and apply iterative and recursive algorithms
				CO2	Devise and implement optimization algorithms for specific applications.
				CO3	Propose and implement randomized algorithms.
				CO4	Blueprint appropriate shared objects and concurrent objects for applications.
				CO5	Apply and apply concurrent linked lists, stacks, and queues
C108	II	CP7112	Case Study -	CO1	Investigate the performance of various configurations and

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			Network Design (Team Work)		protocols in LAN.
				CO2	Considerate the concept of RIP and OSPF
				CO3	Confirmed the concept of Network Security and Networks Traffic Flow.
				CO4	Appreciate the configuration of Firewall.
				CO5	Value the integration of EIGRP (Enhanced Interior Gateway Routing Protocol) into Existing Networks
C109	**II**	CP7201	Theoretical Foundation of Computer Science	**CO1**	Take to mean the fundamentals of set theory.
				CO2	Explain the different logic programming for the given statements.
				CO3	Judge against the different reduction methods in lambda calculus.
				CO4	Demonstrate the methods of tree and graph structures for problem solving.
				CO5	Erect a FA for the given language set.
C110	**II**	CP7202	Advanced Databases	**CO1**	Sketch out database system architectures and explain parallel and distributed databases
				CO2	Judge against object and object relational databases and experiment with OQL
				CO3	Make clear active, temporal and spatial databases
				CO4	Draw round mobile, multimedia databases and explain mining techniques
				CO5	Experimentation with XML and summarize web database and cloud storage basics
C111	**II**	CP7203	Principles of Programming Language	**CO1**	Précis syntax and semantics of a programming language
				CO2	Sketch design issues of data types, statements and expressions
				CO3	Testing with design issues for subprograms
				CO4	Sort design issues for various object oriented concepts
				CO5	Infer different multi paradigm languages
C112	**II**	CP7204	Advanced Operating	**CO1**	Discuss the various synchronization, scheduling and memory management issues

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			Systems		
				CO2	Demonstrate the Mutual exclusion, Deadlock detection and agreement protocols of Distributed operating system
				CO3	Discuss the various resource management techniques for distributed systems
				CO4	Identify the different features of real time and mobile operating systems
				CO5	Install and use available open source kernel
C113-E3	II	IF7202	Cloud Computing	CO1	Modify existing open source kernels in terms of functionality or features used
				CO2	Identify with the concept of Virtualization
				CO3	Concern different cloud programming model as per need.
				CO4	Realize the design of cloud Services.
				CO5	Discover to design the trusted cloud Computing system
C114-E4	II	CP7011	Real Time Systems	CO1	Appreciate the basics and importance of real-time systems
				CO2	Spawn a high-level design document based on analysis documentation
				CO3	Realize basic multi-task scheduling algorithms for periodic, aperiodic, and sporadic tasks as well as understand the impact of the latter two on scheduling
				CO4	Value the capabilities of at least one commercial off-the-shelf R-T kernel
				CO5	Go through RT communication with temporal data.
C115	II	CP7211,	Advance Database lab	CO1	Apply distributed database, Parallel database technique to solve a scenario
				CO2	Apply OQL to retrieve results
				CO3	Experiment with weka tool
				CO4	Make use of active and deductive database to solve a scenario
				CO5	Construct XML schema for given database
C116	II	CP7212	Case Study – Operating System	CO1	Understand the issues in designing and implementing modern operating systems
				CO2	Understand team formation, team issues, and allocating

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			Design		roles and responsibilities
				CO3	Demonstrate individual competence in building medium size operating system components
				CO4	Demonstrate ethical and professional attributes of a computer engineer.
				CO5	Prepare suitable plan with clear statements of deliverables, and track the same.
C201	III	CP7301	Software Process and Project Management	CO1	Explain software development life cycle processes
				CO2	Prepare requirements using the requirement management techniques
				CO3	Generalize about planning and tracking activities
				CO4	Operate with various test cases and testing types to ensure quality
				CO5	Explain software process definition and management
C202-E5	III	NE7012	Social Network Analysis	CO1	Identify the concept of semantic web and related applications and measure the networks performances
				CO2	Gain knowledge in the visualization of social networks and knowledge representation using ontology
				CO3	Understand human behavior in social web and related communities
				CO4	Distinguish about Systems for Expert Location In Social Networks
				CO5	Revision about Sentiment classification with clustering.
C203, E6	III	CP7024	Information Retrieval Techniques	CO1	fabricate an Information Retrieval system using the available tools
				CO2	discover and design the various models of an Information Retrieval system
				CO3	pertain machine learning techniques to query processing and clustering which is used for efficient Information Retrieval
				CO4	Analyze the clustering and various classification techniques with semantic learning
				CO5	devise an efficient search engine for multimedia and distributed environment
C204, E7	III	CP7028	Enterprise Application Integration	CO1	Identify the requirements and approaches to enterprise application integration
				CO2	Construct the integration pattern for application and middleware

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				CO3	Choose efficient model for implementation of Service Oriented Integration
				CO4	Analyze infrastructure for implementation Messaging Based Integration
				CO5	Examine the integration approaches suitable for a given problem
C205	III	CP7311	Project Work (Phase I)	CO1	Identify the problem by applying acquired knowledge
				CO2	Construct and organize executable project modules through proper Designing
				CO3	Choose efficient tools for implementation of the designed modules
				CO4	Analyze and categorize the outcomes of the implementation and Derive inferences.
				CO5	Examine the completed task and compile the project report
C206	IV	CP7411	Project Work (Phase II)	CO1	Plan and construct improved methods for an identified problem by Applying acquired knowledge
				CO2	Experiment and Develop effective solutions through proper designing
				CO3	Analyze and categorize the outcomes of the implementation and Derive inferences.
				CO4	Assess the acquired outcomes based on evaluation metrics
				CO5	Examine the completed task and compile the project report

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