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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
2017 REGULATION-COURSE OUTCOMES

SEMESTER	COURSE CODE	COURSE NAME	COURSE ID	COURSE OUTCOME
III	MA8351	DISCRETE MATHEMATICS	CO1	APPLY KNOWLEDGE OF THE CONCEPTS NEEDED TO TEST THE LOGIC OF A PROGRAM.
			CO2	UNDERSTANDING IN IDENTIFYING STRUCTURES ON MANY LEVELS.
			CO3	AWARE OF A CLASS OF FUNCTIONS WHICH TRANSFORM A FINITE SET INTO ANOTHER FINITE SET WHICH RELATES TO INPUT AND OUTPUT FUNCTIONS IN COMPUTER SCIENCE.
			CO4	AWARE OF THE COUNTING PRINCIPLES.
			CO5	EXPOSED TO CONCEPTS AND PROPERTIES OF ALGEBRAIC STRUCTURES SUCH AS GROUPS, RINGS AND FIELDS.
III	CS8351	DIGITAL PRINCIPLES AND SYSTEM DESIGN	CO1	SIMPLIFY BOOLEAN FUNCTIONS USING KMAP
			CO2	DESIGN AND ANALYZE COMBINATIONAL AND SEQUENTIAL CIRCUITS
			CO3	IMPLEMENT DESIGNS USING PROGRAMMABLE LOGIC DEVICES
			CO4	WRITE HDL CODE FOR COMBINATIONAL AND SEQUENTIAL CIRCUITS
III	CS8391	DATA STRUCTURES	CO1	IMPLEMENT ABSTRACT DATA TYPES FOR LINEAR DATA STRUCTURES.
			CO2	APPLY THE DIFFERENT LINEAR AND NON-LINEAR DATA STRUCTURES TO PROBLEM SOLUTIONS.
			CO3	CRITICALLY ANALYZE THE VARIOUS SORTING ALGORITHMS.
III	CS8392	OBJECT ORIENTED PROGRAMMING	CO1	DEVELOP JAVA PROGRAMS USING OOP PRINCIPLES
			CO2	DEVELOP JAVA PROGRAMS WITH THE CONCEPTS INHERITANCE AND INTERFACES

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			CO3	BUILD JAVA APPLICATIONS USING EXCEPTIONS AND I/O STREAMS
			CO4	DEVELOP JAVA APPLICATIONS WITH THREADS AND GENERICS CLASSES
			CO5	DEVELOP INTERACTIVE JAVA PROGRAMS USING SWINGS
III	EC8395	- COMMUNICATION ENGINEERING	**CO1**	ABILITY TO COMPREHEND AND APPRECIATE THE SIGNIFICANCE AND ROLE OF THIS COURSE IN THE PRESENT CONTEMPORARY WORLD
			CO2	APPLY ANALOG AND DIGITAL COMMUNICATION TECHNIQUES.
			CO3	USE DATA AND PULSE COMMUNICATION TECHNIQUES.
			CO4	DEVELOP JAVA APPLICATIONS WITH THREADS AND GENERICS CLASSES ANALYSE SOURCE AND ERROR CONTROL CODING.
III	CS8381	DATA STRUCTURES LABORATORY	**CO1**	WRITE FUNCTIONS TO IMPLEMENT LINEAR AND NON-LINEAR DATA STRUCTURE OPERATIONS
			CO2	SUGGEST APPROPRIATE LINEAR / NON-LINEAR DATA STRUCTURE OPERATIONS FOR SOLVING A GIVEN PROBLEM
			CO3	APPROPRIATELY USE THE LINEAR / NON-LINEAR DATA STRUCTURE OPERATIONS FOR A GIVEN PROBLEM
			CO4	APPLY APPROPRIATE HASH FUNCTIONS THAT RESULT IN A COLLISION FREE SCENARIO FOR DATA STORAGE AND RETRIEVAL
III	CS8383	OBJECT ORIENTED PROGRAMMING LABORATORY	**CO1**	DEVELOP AND IMPLEMENT JAVA PROGRAMS FOR SIMPLE APPLICATIONS THAT MAKE USE OF CLASSES, PACKAGES AND INTERFACES.
			CO2	DEVELOP AND IMPLEMENT JAVA PROGRAMS WITH ARRAY LIST, EXCEPTION HANDLING AND MULTITHREADING.
			CO3	DESIGN APPLICATIONS USING FILE PROCESSING, GENERIC PROGRAMMING AND EVENT HANDLING.

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III	CS8382	DIGITAL SYSTEMS LABORATORY	**CO1**	IMPLEMENT SIMPLIFIED COMBINATIONAL CIRCUITS USING BASIC LOGIC GATES
			CO2	IMPLEMENT COMBINATIONAL CIRCUITS USING MSI DEVICES
			CO3	IMPLEMENT SEQUENTIAL CIRCUITS LIKE REGISTERS AND COUNTERS
			CO4	SIMULATE COMBINATIONAL AND SEQUENTIAL CIRCUITS USING HDL
III	HS8381	INTERPERSONAL SKILLS/LISTENING &SPEAKING	CO 1	LISTEN AND RESPOND APPROPRIATELY.
			CO 2	PARTICIPATE IN GROUP DISCUSSIONS
			CO 3	MAKE EFFECTIVE PRESENTATIONS
			CO 4	PARTICIPATE CONFIDENTLY AND APPROPRIATELY IN CONVERSATIONS BOTH FORMAL AND INFORMAL
IV	MA8402	PROBABILITY AND QUEUING THEORY	**CO1**	UNDERSTAND THE FUNDAMENTAL KNOWLEDGE OF THE CONCEPTS OF PROBABILITY AND HAVE KNOWLEDGE OF STANDARD DISTRIBUTIONS WHICH CAN DESCRIBE REAL LIFE PHENOMENON.
			CO2	UNDERSTAND THE BASIC CONCEPTS OF ONE AND TWO DIMENSIONAL RANDOM VARIABLES AND APPLY IN ENGINEERING APPLICATIONS.
			CO3	APPLY THE CONCEPT OF RANDOM PROCESSES IN ENGINEERING DISCIPLINES
			CO4	ACQUIRE SKILLS IN ANALYZING QUEUEING MODELS

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			CO5	UNDERSTAND AND CHARACTERIZE PHENOMENON WHICH EVOLVE WITH RESPECT TO TIME IN A PROBABILISTIC MANNER
IV	CS8491	COMPUTER ARCHITECTURE	CO1	UNDERSTAND THE BASICS STRUCTURE OF COMPUTERS, OPERATIONS AND INSTRUCTIONS.
			CO2	DESIGN ARITHMETIC AND LOGIC UNIT.
			CO3	UNDERSTAND PIPELINED EXECUTION AND DESIGN CONTROL UNIT.
			CO4	UNDERSTAND PARALLEL PROCESSING ARCHITECTURES.
			CO5	UNDERSTAND THE VARIOUS MEMORY SYSTEMS AND I/O COMMUNICATION.
IV	CS8492	DATABASE MANAGEMENT SYSTEMS	CO1	CLASSIFY THE MODERN AND FUTURISTIC DATABASE APPLICATIONS BASED ON SIZE AND COMPLEXITY
			CO2	MAP ER MODEL TO RELATIONAL MODEL TO PERFORM DATABASE DESIGN EFFECTIVELY
			CO3	WRITE QUERIES USING NORMALIZATION CRITERIA AND OPTIMIZE QUERIES
			CO4	COMPARE AND CONTRAST VARIOUS INDEXING STRATEGIES IN DIFFERENT DATABASE SYSTEMS
			CO5	APPRAISE HOW ADVANCED DATABASES DIFFER FROM TRADITIONAL DATABASES
IV	CS8451	DESIGN AND ANALYSIS OF ALGORITHMS	CO1	DESIGN ALGORITHMS FOR VARIOUS COMPUTING PROBLEMS.
			CO2	ANALYZE THE TIME AND SPACE COMPLEXITY OF ALGORITHMS.
			CO3	CRITICALLY ANALYZE THE DIFFERENT ALGORITHM DESIGN TECHNIQUES FOR A GIVEN PROBLEM.
			CO4	MODIFY EXISTING ALGORITHMS TO IMPROVE EFFICIENCY.
	CS8493	OPERATING SYSTEMS	CO1	ANALYZE VARIOUS SCHEDULING ALGORITHMS.

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IV			CO2	UNDERSTAND DEADLOCK, PREVENTION AND AVOIDANCE ALGORITHMS.
			CO3	COMPARE AND CONTRAST VARIOUS MEMORY MANAGEMENT SCHEMES.
			CO4	UNDERSTAND THE FUNCTIONALITY OF FILE SYSTEMS.
			CO5	PERFORM ADMINISTRATIVE TASKS ON LINUX SERVERS.
			CO6	COMPARE IOS AND ANDROID OPERATING SYSTEMS.
IV	CS8494	SOFTWARE ENGINEERING	CO1	IDENTIFY THE KEY ACTIVITIES IN MANAGING A SOFTWARE PROJECT
			CO2	COMPARE DIFFERENT PROCESS MODELS
			CO3	CONCEPTS OF REQUIREMENTS ENGINEERING AND ANALYSIS MODELING
			CO4	APPLY SYSTEMATIC PROCEDURE FOR SOFTWARE DESIGN AND DEPLOYMENT
			CO5	COMPARE AND CONTRAST THE VARIOUS TESTING AND MAINTENANCE
			CO6	MANAGE PROJECT SCHEDULE, ESTIMATE PROJECT COST AND EFFORT REQUIRED.
IV	CS8481	DATABASE MANAGEMENT SYSTEMS LABORATORY	CO1	USE TYPICAL DATA DEFINITIONS AND MANIPULATION COMMANDS.
			CO2	DESIGN APPLICATIONS TO TEST NESTED AND JOIN QUERIES
			CO3	IMPLEMENT SIMPLE APPLICATIONS THAT USE VIEWS
			CO4	IMPLEMENT APPLICATIONS THAT REQUIRE A FRONT-END TOOL
			CO5	CRITICALLY ANALYZE THE USE OF TABLES, VIEWS, FUNCTIONS AND PROCEDURES
IV	CS8461	OPERATING SYSTEMS LABORATORY	CO1	COMPARE THE PERFORMANCE OF VARIOUS CPU SCHEDULING ALGORITHMS
			CO2	IMPLEMENT DEADLOCK AVOIDANCE AND DETECTION ALGORITHMS
			CO3	IMPLEMENT SEMAPHORES

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			CO4	CREATE PROCESSES AND IMPLEMENT IPC
			CO5	ANALYZE THE PERFORMANCE OF THE VARIOUS PAGE REPLACEMENT ALGORITHMS
			CO6	IMPLEMENT FILE ORGANIZATION AND FILE ALLOCATION STRATEGIES
IV	HS8461	ADVANCED READING AND WRITING	CO 1	WRITE DIFFERENT TYPES OF ESSAYS.
			CO 2	WRITE WINNING JOB APPLICATIONS.
			CO 3	READ AND EVALUATE TEXTS CRITICALLY.
			CO 4	DISPLAY CRITICAL THINKING IN VARIOUS PROFESSIONAL CONTEXTS.
V	MA8551	ALGEBRA AND NUMBER THEORY	CO1	APPLY THE BASIC NOTIONS OF GROUPS, RINGS, FIELDS WHICH WILL THEN BE USED TO SOLVE RELATED PROBLEMS.
			CO2	EXPLAIN THE FUNDAMENTAL CONCEPTS OF ADVANCED ALGEBRA AND THEIR ROLE IN MODERN MATHEMATICS AND APPLIED CONTEXTS.
			CO3	DEMONSTRATE ACCURATE AND EFFICIENT USE OF ADVANCED ALGEBRAIC TECHNIQUES.
			CO4	DEMONSTRATE THEIR MASTERY BY SOLVING NON - TRIVIAL PROBLEMS RELATED TO THE CONCEPTS, AND BY PROVING SIMPLE THEOREMS ABOUT THE, STATEMENTS PROVEN BY THE TEXT.
			CO5	APPLY INTEGRATED APPROACH TO NUMBER THEORY AND ABSTRACT ALGEBRA, AND PROVIDE A FIRM BASIS FOR FURTHER READING AND STUDY IN THE SUBJECT.
V	CS8591	COMPUTER NETWORKS	CO1	UNDERSTAND THE BASIC LAYERS AND ITS FUNCTIONS IN COMPUTER NETWORKS.
			CO2	EVALUATE THE PERFORMANCE OF A NETWORK.
			CO3	UNDERSTAND THE BASICS OF HOW DATA FLOWS FROM ONE NODE TO ANOTHER.
			CO4	ANALYZE AND DESIGN ROUTING ALGORITHMS.

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			CO5	DESIGN PROTOCOLS FOR VARIOUS FUNCTIONS IN THE NETWORK.
			CO6	UNDERSTAND THE WORKING OF VARIOUS APPLICATION LAYER PROTOCOLS
V	EC8691	MICROPROCESSORS AND MICROCONTROLLERS	**CO1**	UNDERSTAND AND EXECUTE PROGRAMS BASED ON 8086 MICROPROCESSOR.
			CO2	DESIGN MEMORY INTERFACING CIRCUITS.
			CO3	DESIGN AND INTERFACE I/O CIRCUITS.
			CO4	DESIGN AND IMPLEMENT 8051 MICROCONTROLLER BASED SYSTEMS.
V	CS8501	- THEORY OF COMPUTATION	**CO1**	CONSTRUCT AUTOMATA, REGULAR EXPRESSION FOR ANY PATTERN.
			CO2	WRITE CONTEXT FREE GRAMMAR FOR ANY CONSTRUCT.
			CO3	DESIGN TURING MACHINES FOR ANY LANGUAGE
			CO4	PROPOSE COMPUTATION SOLUTIONS USING TURING MACHINES
			CO5	DERIVE WHETHER A PROBLEM IS DECIDABLE OR NOT.
V	CS8592	- OBJECT ORIENTED ANALYSIS AND DESIGN	**CO1**	EXPRESS SOFTWARE DESIGN WITH UML DIAGRAMS.
			CO2	DESIGN SOFTWARE APPLICATIONS USING OO CONCEPTS
			CO3	IDENTIFY VARIOUS SCENARIOS BASED ON SOFTWARE REQUIREMENTS
			CO4	TRANSFORM UML BASED SOFTWARE DESIGN INTO PATTERN BASED DESIGN USING DESIGN PATTERNS
			CO5	UNDERSTAND THE VARIOUS TESTING METHODOLOGIES FOR OO SOFTWARE
V		TOTAL QUALITY MANAGEMENT	CO 1	THE STUDENT WOULD BE ABLE TO APPLY THE TOOLS AND TECHNIQUES OF QUALITY MANAGEMENT TO MANUFACTURING AND SERVICES PROCESSES.

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V	EC8681	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	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
V	CS8581	NETWORKS LABORATORY	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.
V	CS8582	OBJECT ORIENTED ANALYSIS AND DESIGN LABORATORY	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.
VI	CS8651	INTERNET PROGRAMMING	CO1	CONSTRUCT A BASIC WEBSITE USING HTML AND CASCADING STYLE SHEETS
			CO2	BUILD DYNAMIC WEB PAGE WITH VALIDATION USING JAVA SCRIPT OBJECTS AND BY APPLYING DIFFERENT EVENT HANDLING MECHANISMS

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			CO3	DEVELOP SERVER SIDE PROGRAMS USING SERVLETS AND JSP.
			CO4	CONSTRUCT SIMPLE WEB PAGES IN PHP AND TO REPRESENT DATA IN XML FORMAT.
			CO5	USE AJAX AND WEB SERVICES TO DEVELOP INTERACTIVE WEB APPLICATIONS
VI	CS8691	ARTIFICIAL INTELLIGENCE	CO1	USE APPROPRIATE SEARCH ALGORITHMS FOR ANY AI PROBLEM
			CO2	REPRESENT A PROBLEM USING FIRST ORDER AND PREDICATE LOGIC
			CO3	PROVIDE THE APT AGENT STRATEGY TO SOLVE A GIVEN PROBLEM
			CO4	DESIGN SOFTWARE AGENTS TO SOLVE A PROBLEM
			CO5	DESIGN APPLICATIONS FOR NLP THAT USE ARTIFICIAL INTELLIGENCE.
VI	CS8601	- MOBILE COMPUTING	CO1	EXPLAIN THE BASICS OF MOBILE TELECOMMUNICATION SYSTEMS
			CO2	ILLUSTRATE THE GENERATIONS OF TELECOMMUNICATION SYSTEMS IN WIRELESS NETWORKS
			CO3	DETERMINE THE FUNCTIONALITY OF MAC, NETWORK LAYER AND IDENTIFY A ROUTING PROTOCOL FOR A GIVEN AD HOC NETWORK
			CO4	EXPLAIN THE FUNCTIONALITY OF TRANSPORT AND APPLICATION LAYERS
			CO5	DEVELOP A MOBILE APPLICATION USING ANDROID/BLACKBERRY/IOS/WINDOWS SDK
VI	CS8602	- COMPILER DESIGN	CO1	UNDERSTAND THE DIFFERENT PHASES OF COMPILER
			CO2	DESIGN A LEXICAL ANALYZER FOR A SAMPLE LANGUAGE.
			CO3	APPLY DIFFERENT PARSING ALGORITHMS TO DEVELOP THE PARSERS FOR A GIVEN GRAMMAR
			CO4	UNDERSTAND SYNTAX-DIRECTED TRANSLATION AND RUN-TIME ENVIRONMENT
			CO5	LEARN TO IMPLEMENT CODE OPTIMIZATION TECHNIQUES AND A SIMPLE CODE GENERATOR

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			CO6	DESIGN AND IMPLEMENT A SCANNER AND A PARSER USING LEX AND YACC TOOLS
VI	CS8603	- DISTRIBUTED SYSTEMS	CO1	ELUCIDATE THE FOUNDATIONS AND ISSUES OF DISTRIBUTED SYSTEMS
			CO2	UNDERSTAND THE VARIOUS SYNCHRONIZATION ISSUES AND GLOBAL STATE FOR DISTRIBUTED SYSTEMS.
			CO3	UNDERSTAND THE MUTUAL EXCLUSION AND DEADLOCK DETECTION ALGORITHMS IN DISTRIBUTED SYSTEMS
			CO4	DESCRIBE THE AGREEMENT PROTOCOLS AND FAULT TOLERANCE MECHANISMS IN DISTRIBUTED SYSTEMS.
			CO5	DESCRIBE THE FEATURES OF PEER-TO-PEER AND DISTRIBUTED SHARED MEMORY SYSTEMS
VI	IT8076	SOFTWARE TESTING	CO1	DESIGN TEST CASES SUITABLE FOR A 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.
VI	CS8662	MOBILE APPLICATION DEVELOPMENT LABORATORY	CO1	DEVELOP MOBILE APPLICATIONS USING GUI AND LAYOUTS.
			CO2	DEVELOP MOBILE APPLICATIONS USING EVENT LISTENER.
			CO3	DEVELOP MOBILE APPLICATIONS USING DATABASES.
			CO4	DEVELOP MOBILE APPLICATIONS USING RSS FEED, INTERNAL/EXTERNAL STORAGE, SMS, MULTI- THREADING AND GPS.
			CO5	ANALYZE AND DISCOVER OWN MOBILE APP FOR SIMPLE NEEDS.

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VI	CS8661	- INTERNET PROGRAMMING LABORATORY	**CO1**	CONSTRUCT WEB PAGES USING HTML/XML AND STYLE SHEETS.
			CO2	BUILD DYNAMIC WEB PAGES WITH VALIDATION USING JAVA SCRIPT OBJECTS AND BY APPLYING DIFFERENT EVENT HANDLING MECHANISMS.
			CO3	DEVELOP DYNAMIC WEB PAGES USING SERVER SIDE SCRIPTING
			CO4	USE PHP PROGRAMMING TO DEVELOP WEB APPLICATIONS
			CO5	CONSTRUCT WEB APPLICATIONS USING AJAX AND WEB SERVICES.
VI	IT8611	MINI PROJECT	CO1	ON COMPLETION OF THE PROJECT WORK STUDENTS WILL BE IN A POSITION TO TAKE UP ANY CHALLENGING PRACTICAL PROBLEMS AND FIND SOLUTION BY FORMULATING PROPER METHODOLOGY.
VI	HS8581	- PROFESSIONAL COMMUNICATION	**CO1**	MAKE EFFECTIVE PRESENTATIONS
			CO2	PARTICIPATE CONFIDENTLY IN GROUP DISCUSSIONS
			CO3	ATTEND JOB INTERVIEWS AND BE SUCCESSFUL IN THEM
			CO4	DEVELOP ADEQUATE SOFT SKILLS REQUIRED FOR THE WORKPLACE
VII	MG8591	PRINCIPLES OF MANAGEMENT	CO1	UPON COMPLETION OF THE COURSE, STUDENTS WILL BE ABLE TO HAVE CLEAR UNDERSTANDING OF MANAGERIAL FUNCTIONS LIKE PLANNING, ORGANIZING, STAFFING, LEADING & CONTROLLING AND HAVE SAME BASIC KNOWLEDGE ON INTERNATIONAL ASPECT OF MANAGEMENT
VII	CS8792	CRYPTOGRAPHY AND NETWORK SECURITY	**CO1**	UNDERSTAND THE FUNDAMENTALS OF NETWORKS SECURITY, SECURITY ARCHITECTURE, THREATS AND VULNERABILITIES
			CO2	APPLY THE DIFFERENT CRYPTOGRAPHIC OPERATIONS OF SYMMETRIC CRYPTOGRAPHIC ALGORITHMS

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			CO3	APPLY THE DIFFERENT CRYPTOGRAPHIC OPERATIONS OF PUBLIC KEY CRYPTOGRAPHY
			CO4	APPLY THE VARIOUS AUTHENTICATION SCHEMES TO SIMULATE DIFFERENT APPLICATIONS.
			CO5	UNDERSTAND VARIOUS SECURITY PRACTICES AND SYSTEM SECURITY STANDARDS
VII	CS8791	CLOUD COMPUTING	CO1	ARTICULATE THE MAIN CONCEPTS, KEY TECHNOLOGIES, STRENGTHS AND LIMITATIONS OF CLOUD COMPUTING.
			CO2	LEARN THE KEY AND ENABLING TECHNOLOGIES THAT HELP IN THE DEVELOPMENT OF CLOUD.
			CO3	DEVELOP THE ABILITY TO UNDERSTAND AND USE THE ARCHITECTURE OF COMPUTE AND STORAGE CLOUD, SERVICE AND DELIVERY MODELS.
			CO4	EXPLAIN THE CORE ISSUES OF CLOUD COMPUTING SUCH AS RESOURCE MANAGEMENT AND SECURITY.
			CO5	BE ABLE TO INSTALL AND USE CURRENT CLOUD TECHNOLOGIES.
			CO6	EVALUATE AND CHOOSE THE APPROPRIATE TECHNOLOGIES, ALGORITHMS AND APPROACHES FOR IMPLEMENTATION AND USE OF CLOUD.
VII	OME753	– SYSTEMS ENGINEERING	CO1	THE STUDENT MUST BE ABLE TO APPLY SYSTEMS ENGINEERING PRINCIPLES TO MAKE DECISION FOR OPTIMIZATION.
			CO2	HENCE AN UNDERSTANDING OF THE SYSTEMS ENGINEERING DISCIPLINE AND BE ABLE TO USE THE CORE PRINCIPLES AND PROCESSES FOR DESIGNING EFFECTIVE SYSTEM.
VII	IT8075	– SOFTWARE PROJECT MANAGEMENT	CO1	UNDERSTAND PROJECT MANAGEMENT PRINCIPLES WHILE DEVELOPING SOFTWARE.
			CO2	GAIN EXTENSIVE KNOWLEDGE ABOUT THE BASIC PROJECT MANAGEMENT CONCEPTS, FRAMEWORK AND THE PROCESS MODELS.
			CO3	OBTAIN ADEQUATE KNOWLEDGE ABOUT SOFTWARE PROCESS MODELS AND SOFTWARE EFFORT ESTIMATION TECHNIQUES.
			CO4	ESTIMATE THE RISKS INVOLVED IN VARIOUS PROJECT ACTIVITIES

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			CO5	DEFINE THE CHECKPOINTS, PROJECT REPORTING STRUCTURE, PROJECT PROGRESS AND TRACKING MECHANISMS USING PROJECT MANAGEMENT PRINCIPLES.
			CO6	LEARN STAFF SELECTION PROCESS AND THE ISSUES RELATED TO PEOPLE MANAGEMENT
VII	CS8073	– C # AND .NET PROGRAMMING	CO1	WRITE VARIOUS APPLICATIONS USING C# LANGUAGE IN THE .NET FRAMEWORK.
			CO2	DEVELOP DISTRIBUTED APPLICATIONS USING .NET FRAMEWORK.
			CO3	CREATE MOBILE APPLICATIONS USING .NET COMPACT FRAMEWORK.
VII	IT8711	FOSS AND CLOUD COMPUTING LABORATORY	CO1	CONFIGURE VARIOUS VIRTUALIZATION TOOLS SUCH AS VIRTUAL BOX, VMWARE WORKSTATION.
			CO2	DESIGN AND DEPLOY A WEB APPLICATION IN A PAAS ENVIRONMENT.
			CO3	LEARN HOW TO SIMULATE A CLOUD ENVIRONMENT TO IMPLEMENT NEW SCHEDULERS.
			CO4	INSTALL AND USE A GENERIC CLOUD ENVIRONMENT THAT CAN BE USED AS A PRIVATE CLOUD.
			CO5	MANIPULATE LARGE DATA SETS IN A PARALLEL ENVIRONMENT.
VII	IT8761	SECURITY LABORATORY	CO1	DEVELOP CODE FOR CLASSICAL ENCRYPTION TECHNIQUES TO SOLVE THE PROBLEMS.
			CO2	BUILD CRYPTOSYSTEMS BY APPLYING SYMMETRIC AND PUBLIC KEY ENCRYPTION ALGORITHMS.
			CO3	CONSTRUCT CODE FOR AUTHENTICATION ALGORITHMS.
			CO4	DEVELOP A SIGNATURE SCHEME USING DIGITAL SIGNATURE STANDARD.
			CO5	DEMONSTRATE THE NETWORK SECURITY SYSTEM USING OPEN SOURCE TOOLS

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
2017 REGULATION-COURSE OUTCOMES

VIII	CS8080	INFORMATION RETRIEVAL TECHNIQUES	CO1	USE AN OPEN SOURCE SEARCH ENGINE FRAMEWORK AND EXPLORE ITS CAPABILITIES
			CO2	APPLY APPROPRIATE METHOD OF CLASSIFICATION OR CLUSTERING.
			CO3	DESIGN AND IMPLEMENT INNOVATIVE FEATURES IN A SEARCH ENGINE.
			CO4	DESIGN AND IMPLEMENT A RECOMMENDER SYSTEM.
VIII	CS8811	-PROJECT WORK	CO1	ON COMPLETION OF THE PROJECT WORK STUDENTS WILL BE IN A POSITION TO TAKE UP ANY CHALLENGING PRACTICAL PROBLEMS AND FIND SOLUTION BY FORMULATING PROPER METHODOLOGY.