MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE
(Approved by AICTE, Affiliated to JNTUK)
(An ISO9001:2008 Certified Institution)
Pulladigunta (Village), Vatticherukuru (Mandal),
Guntur-522017, Andhra Pradesh, India
Department of Computer Science and Engineering

	COURSE CODE		R16 COURSE OUTCOMES
1	C401 CRYPTOGRAPHY & NETWORK SECURITY	C401.1	Apply the Mathematics of Cryptography and Cryptographic attacks to find message.
		C401.2	Apply the algorithms of cryptography, including encryption/decryption and hash functions efficiently.
		C401.3	Use of different authentication, digital signature schemes and key management for security of data.
		C401.4	Analyze the network, transport and application layers and outline appropriate security protocols for security issues
		C401.5	Identify various intrusion detection systems and be able to achieve highest system security.
		C401.6	Apply the various security algorithms for network.
2	C402 SOFTWARE ARCHITECTURE & DESIGN PATTERNS	C402.1	Apply the basic concepts of architecture structures and designing software architecture.
		C402.2	Analyzing the software architectures
		C402.3	Study of pattern oriented approach for real world problems
		C402.4	Study of Creational,Behavioral and Structural Patterns for real world problems
		C402.5	Implementation of architecture structures and design problems.
3	C403 WEB TECHNOLOGIES	C403.1	Designing of static web pages by using HTML and separate design from content using Cascading Style sheet
		C403.2	Designing dynamic web pages and Constructs to perform Client side validation by using JavaScript.
		C403.3	Design XML schema and XML schema validations ,and integration of PHP with AJAX
		C403.4	Develop server side web applications By using PHP.
		C403.5	Programming design of arrays, hashes, files, regular expressions, classes and web applications by using PERL and RUBY.
4	C404 MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS	C404.1	Knowledge Managerial Economics& different types of demand
		C404.2	Comprehension Types of Production functions &Cost Concepts
		C404.3	Knowledge Recall the nature of Markets and different Pricing methods
		C404.4	Knowledge Different forms of Business phases & Cycles
		C404.5	Analysis Financial position of a company by using different techniques
		C404.6	Application Different Investment proposals of Capital budgeting
5	C405 BIG DATA ANALYTICS	C405.1	Data summarization, query and analysis and Use of Data Collection objects for Data operations.
		C405.2	Applying data modelling techniques to large data sets.
		C405.3	Creating applications for Big Data analytics for analyzing the data.
		C405.4	Building a complete business data analytic solution.
		C405.5	Knowledge of Writing PIG & HIVE Scripts for under standing the data analysis.
		C405.6	Understanding of Big Data and Hadoop Eco System.

6	C406 CLOUD COMPUTING	C406.1	Explain the basic principles of cloud computing
		C406.2	Analyze the cloud architecture , various deployment and service models
		C406.3	Examine the different virtualization techniques
		C406.4	Determine the real world cloud service model and their data centers
		C406.5	Determining the techniques of cloud resource scheduling mechanisms
7	C407 SADP LAB	C407.1	Design the use case view and logical view of weather mapping system
		C407.2	Design of the implementation, process, and deployment views for the Weather Mapping System.
		C407.3	Implement component and inter process communication design
		C407.4	Design creational patterns using uml
		C407.5	Design structural patterns and behavioural patterns
8	C408 WEB TECHNOLOGY LAB	C408.1	Develop static web pages using HTML and CSS
		C408.2	Develop dynamic web pages for client side validations using java script.
		C408.3	Implement XML and XSLT for web applications
		C408.4	Write program for arrays , hashes, classes, integrated with database by using RUBY and PERL.
		C408.5	Develop dynamic web pages for server side validations and connect to the different databases by using PHP.
9	C409 DISTRIBUTED SYSTEMS	C409.1	Analyze important characteristics and the salient architectural features for construction of distributed systems.
		C409.2	Develop using Java API for interprocess communication in the Internet to provides both datagram and stream communication.
		C409.3	Analyse the concepts of RMI to communicate between distributed objects.
		C409.4	Construct processes and threads to examine the design and implementation of multithreaded processing and communication facilities in distributed environment.
		C409.5	Analyse the File system architecture, peer-to-peer systems, multicast communication, transaction recovery and replications for how processes coordinate their actions and agree on shared values in distributed systems.
10	C410 MANAGEMENT SCIENCE	C410.1	Apply the concept of Management, Motivational theories, and designing different organizational structures in business organizations.
		C410.2	Examine the quality of products using SQC and also
		C410.3	Analyze different functions of an organization and strategies of product lifecycles and channels of distribution
		C410.4	Designing project schedules with the help of network
		C410.5	Differentiating Vision,Mission,and Goals of an organization and formulating strategies.
11	C411 MACHINE LEARNING	C411.1	Apply the ingredients of machine learning techniques to solve real world problems
		C411.2	Analyze machine learning techniques for classification,
		C411.3	Analyze the Tree models and Rule models to develop solutions to real world problems
		C411.4	Analyze the Linear models ,Distance-based models and Probabilistic models to develop solutions to real world problems.
		C411.5	Extend the machine learning concept to construct, transform and select features of different models.
		C411.6	Apply Dimensionality Reduction(PCA) to reduce the number of features in the large dataset, Artificial Neural Networks(ANNs)as a machine learning tool to solve real world problems
12	C412 ARTIFICIAL NEURAL NETWORKS	C412.1	Apply Mathematical Concepts Matrix Algebra, Calculus, With a Basic Knowledge of Optimization in Neural Networks
		C412.2	Model Neuron and Neural Network, and to Analyze ANN learning, and its applications.
		C412.3	Perform Pattern Recognition, Linear classification.
		C412.4	Develop different single layer/multiple layer Perception learning algorithms
		C412.5	Design of another class of layered networks Radial Basis Functions and Support Vector Machines.

Signature Of Head Of The Department