



# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

## Department Of Information Technology

### List of Course Outcomes

Batch: 2013(R13)

Year & Sem	Subject Code	Course Code	Course Name	At The End of The Course, The Student Will Be Able To
IV-I	RT41051	C4101	Cryptography and Network Security	CO1: Able to individually reason about software security problems and protection techniques on both an abstract and a more technically advanced level.
				CO2: Able to individually explain how software exploitation techniques, used by adversaries, function and how to protect against them
				CO3: Analyze various public key cryptographies.
				CO4: Examine hash function and digital signature.
				CO5: Illustrate Security at application and transport layer
				CO6: Describe IP Security & Intrusion Detection Systems
IV-I	RT41052	C4102	UML & Design Patterns	CO1: Identify the purpose and methods of use of common object-oriented design patterns
				CO2: Select and apply these patterns in their own designs for simple programs
				CO3: Represent the data dependencies of a simple program using UML
				CO4: Represent user and programmatic interactions using UML
				CO5: Create design documentation outlining the testable and complete design of a simple program
				CO6: produce and present documents for the purpose of capturing software requirements and specification
IV-I	RT41053	C4103	Mobile Computing	CO1: Able to think and develop new mobile application
				CO2: Able to take any new technical issue related to this new paradigm and come up with a solution(s).
				CO3: Able to develop new ad hoc network applications and/or algorithms/protocols.
				CO4: Able to understand & develop any existing or new protocol related to mobile environment
				CO5: Able to know communication and its protocols
				CO6: Able to understand different routing techniques
IV-I	RT41056	C4104	Information Retrieval Systems	CO1: Identify basic theories in information retrieval systems
				CO2: Understand the difficulty of representing and retrieving documents
				CO3: Understand the latest technologies for linking, describing and searching the web.
				CO4: Evaluate information retrieval algorithms, and give an account of the difficulties of evaluation



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				CO5: Appreciate the limitations of different information retrieval techniques
				CO6: Solve complex problems in groups and develop group work.
IV-I	RT4105B	C4105	Hadoop and Big Data	CO1: Preparing for data summarization, query, and analysis
				CO2: Applying data modelling techniques to large data sets
				CO3: How to know map reduce frame works
				CO4: Working of Hadoop, I/O functions.
				CO5: Building a complete business data analytic solution
				CO6: Able to Structure to Hadoop Data with Hive
IV-II	RT42053A	C4201	Human Computer Interaction	CO1: Explain the capabilities of both humans and computers from the viewpoint of human information processing.
				CO2: Describe typical human-computer interaction (HCI) models, styles, and various historic HCI paradigms.
				CO3: Apply an interactive design process and universal design principles to designing HCI systems.
				CO4: Describe and use HCI design principles, standards and guidelines.
				CO5: Analyze and identify user models, user support, socio-organizational issues, and stakeholder requirements of HCI systems.
				CO6: Discuss tasks and dialogs of relevant HCI systems based on task analysis and dialog design.
IV-II	RT42051	C4202	Distributed Systems	CO1: Develop a familiarity with distributed file systems
				CO2: Gaining practical experience of inter-process communication in a distributed environment
				CO3: Describe important characteristics of distributed systems and the salient architectural features of such systems.
				CO4: Describe the features and applications of important standard protocols which are used in distributed systems.
				CO5: To know about File Service Architecture
				CO6: Able to know Control in Distributed Transactions
IV-II	RT42121	C4203	Mathematical Opimization	CO1: Concept of mathematical modelling and development of a model.
				CO2: Use of graphical solution in solving LPP.
				CO3: Determining minimum transportation costs.
				CO4: Processing of jobs through different number of machines
				CO5: Inventory management and management decision making
				CO6: Project management and simulation techniques



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IV-II	RT42052	C4204	Management Science	CO1: Basic concepts of management
				CO2: Able to Principles and Types of Management
				CO3: To learn Functions of management and marketing
				CO4: Development of Network and projects
				CO5: Describe the Steps in Strategy Formulation and Implementation.
				CO6: Concepts of MIS, MRP, Justin Time (JIT) system.
IV-II	RT42122	C4205	Project	Design Engineering solutions to complex problems in systematic manner.