



**VEL TECH MULTI TECH  
Dr RANGARAJAN Dr.SAKUNTHALA  
ENGINEERING COLLEGE**

(An ISO 9001: 2008 Certified Institution)  
(Owned by 'VEL Shree R. Rangarajan  
Dr. Sakunthala Rangarajan Educational Academy)  
(Approved by AICTE, New Delhi &  
Govt. of Tamil Nadu and affiliated to Anna University)



**SYLLABUS**

**WEEKLY SCHEDULE**

**VIII SEMESTER**

**2014 - 2015**

**DEPARTMENT OF CSE**

**IV DEGREE COURSE**

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## ACADEMIC YEAR: 2014– 2015

S.NO	WEEKS	DATE	
		FROM	TO
1	WEEK 1	02.01.15	09.01.15
2	WEEK 2	12.01.15	16.01.15
3	WEEK 3	19.01.15	23.01.15
4	WEEK 4	27.01.15	30.01.15
5	WEEK 5	02.02.15	06.02.15
6	WEEK 6	09.02.15	13.02.15
7	WEEK 7	16.02.15	20.02.15
8	WEEK 8	23.02.15	27.02.15
9	WEEK 9	02.03.15	06.03.15
10	WEEK 10	09.03.15	13.03.15
11	WEEK 11	16.03.15	20.03.15
12	WEEK 12	23.03.15	27.03.15
13	WEEK 13	30.03.15	01.04.15
14	WEEK 14	06.04.15	10.04.15
15	WEEK 15	13.04.15	17.04.15
16	WEEK 16	20.04.15	24.04.15

## CONTENTS

<b>THEORY</b>		
<b>SI.NO</b>	<b>SUB.CODE</b>	<b>SUBJECT</b>
1	IT2042	Information Security
2	IT2403	Software Project Management
<b>PROJECT</b>		
3	CS2451	Project Work

## UNIT TEST SCHEDULE

### UNIT TEST I

Sl.NO	DATE	SUB. CODE	SUBJECT
1	22.01.15	IT2042	Information Security
2	23.01.15	IT2403	Software Project Management

### UNIT TEST II

Sl.NO	DATE	SUB. CODE	SUBJECT
1	11.02.15	IT2042	Information Security
2	12.02.15	IT2403	Software Project Management

### UNIT TEST III

Sl.NO	DATE	SUB. CODE	SUBJECT
1	03.03.15	IT2042	Information Security
2	04.03.15	IT2403	Software Project Management

### UNIT TEST IV

Sl.NO	DATE	SUB. CODE	SUBJECT
1	23.03.15	IT2042	Information Security
2	24.03.15	IT2403	Software Project Management

## UNIT TEST V

<b>Sl.NO</b>	<b>DATE</b>	<b>SUB. CODE</b>	<b>SUBJECT</b>
1	13.04.15	IT2042	Information Security
2	15.04.15	IT2403	Software Project Management

## MODEL EXAM

<b>Sl.NO</b>	<b>DATE</b>	<b>SUB. CODE</b>	<b>SUBJECT</b>
1	20.04.2015	IT2042	Information Security
2	21.04.2015	IT2403	Software Project Management

# **IT2042            INFORMATION SECURITY**

## **UNIT I**

### **WEEK 1:**

History, What is Information Security?, Critical Characteristics of Information, NSTISSC Security Model, Components of an Information System- Securing the Components, Balancing Security and Access, The SDLC, The Security SDLC

### **WEEK 2:UNIT TEST-1**

## **UNIT II**

### **WEEK2&3:**

Need for Security, Business Needs, Threats,

### **WEEK-4&5:**

Attacks, Legal, Ethical and Professional Issues

### **WEEK 6:UNIT TEST-2**

## **UNIT III**

### **WEEK 6:**

Risk Management:

### **WEEK 7:**

Identifying and Assessing Risk

### **WEEK 8 :**

Assessing and Controlling Risk

### **WEEK 9: UNIT TEST –3**

## **UNIT IV**

### **WEEK 10:**

Blueprint for Security, Information Security Policy, Standards and Practices, ISO 17799/BS 7799, NIST Models

### **WEEK 11:**

VISA International Security Model, Design of Security Architecture, Planning for Continuity.

### **WEEK 11:UNIT TEST-4**

## **UNIT V**

### **WEEK 12:**

Security Technology, IDS, Scanning and Analysis Tools

### **WEEK 13:**

Cryptography, Access Control Devices- Physical Security, Security and Personnel

### **WEEK 14:UNIT TEST-5**

### **WEEK 15: MODEL EXAM**

### **TEXT BOOK:**

1. Michael E Whitman and Herbert J Mattord, “Principles of Information Security”, Vikas Publishing House, New Delhi, 2003

### **REFERENCES:**

1. Micki Krause, Harold F. Tipton, “ Handbook of Information Security Management”, Vol 1-3 CRC Press LLC, 2004.

2. Stuart Mc Clure, Joel Scrambray, George Kurtz, “Hacking Exposed”, Tata McGraw- Hill, 2003



# **IT2403 SOFTWARE PROJECT MANAGEMENT**

## **UNIT I**

### **WEEK1:**

Project Definition – Contract Management – Activities Covered By Software Project Management- Overview of Project Planning – Stepwise Project Planning

### **WEEK 2:UNIT TEST-1**

## **UNIT II**

### **WEEK-2 & 3 :**

Strategic Assessment – Technical Assessment

### **WEEK 4 & 5:**

Cost Benefit Analysis –Cash Flow Forecasting Cost Benefit Evaluation Techniques – Risk Evaluation.

### **WEEK 6:UNIT TEST-2**

## **UNIT III**

### **WEEK 6 :**

Objectives – Project Schedule – Sequencing and Scheduling Activities –

### **WEEK 7 :**

Network Planning Models – Forward Pass – Backward Pass – Activity Float

### **WEEK 8:**

Shortening Project Duration – Activity on Arrow Networks – Risk Management Nature Of Risk – Types Of Risk – Managing Risk – Hazard Identification – Hazard Analysis – Risk Planning And Control.

## **WEEK 9:UNIT TEST-3**

### **UNIT IV**

#### **WEEK-10:**

Creating Framework – Collecting The Data – Visualizing Progress – Cost Monitoring – Earned Value – Prioritizing Monitoring

#### **WEEK 11 :**

Getting Project Back To Target – Change Control – Managing Contracts – Introduction – Types Of Contract – Stages In Contract Placement – Typical Terms Of A Contract – Contract Management – Acceptance.

## **WEEK 11: UNIT TEST –IV**

### **UNIT V**

#### **WEEK 12:**

Introduction – Understanding Behavior – Organizational Behavior: A Background – Selecting The Right Person For The Job – Instruction In The Best Methods

#### **WEEK-13 :**

Motivation– The Oldman – Hackman Job Characteristics Model – Working In Groups – Becoming A Team –Decision Making – Leadership – Organizational Structures – Stress –Health And Safety – Case Studies.

## **WEEK 14:UNIT TEST-5**

## **WEEK 15: MODEL EXAM**

### **TEXT BOOK:**

1. Bob Hughes, Mikecoterrell, “Software Project Management”, Third Edition, Tata McGraw Hill, 2004.

## **REFERENCES:**

1. Ramesh, Gopaldaswamy, "Managing Global Projects", Tata McGraw Hill, 2001.
2. Royce, "Software Project Management", Pearson Education, 1999.
3. Jalote, "Software Project Management in Practice", Pearson Education, 2002.