



**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**

**2015-16**

**DEPARTMENT OF CSE**

**IV DEGREE COURSE**

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## ACADEMIC YEAR: 2015-16

S.NO	WEEKS	DATE	
		FROM	TO
1	WEEK 1	18.01.16	23.01.16
2	WEEK 2	25.01.16	30.01.16
3	WEEK 3	01.02.16	06.02.16
4	WEEK 4	08.02.16	13.02.16
5	WEEK 5	15.02.16	20.02.16
6	WEEK 6	22.02.16	27.02.16
7	WEEK 7	29.02.16	05.03.16
8	WEEK 8	07.03.16	12.03.16
9	WEEK 9	16.03.16	20.03.16
10	WEEK 10	22.03.16	26.03.16
11	WEEK 11	27.03.16	02.04.16
12	WEEK 12	03.04.16	09.04.16
13	WEEK 13	11.04.16	16.04.16
14	WEEK 14	18.04.16	23.04.16
15	WEEK 15	25.04.16	30.04.16

## CONTENTS

<b>THEORY</b>		
<b>Sl.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

### **TEST / EXAM SCHEDULE**

<b>SL.NO</b>	<b>SUBJECT CODE</b>	<b>SUBJECT NAME</b>	<b>UNIT TEST I</b>	<b>UNIT TEST II</b>	<b>PRE MODEL EXAM</b>	<b>MODEL EXAM</b>
1	IT2042	Information Security	01.02.16	15.02.16	29.02.06	01.04.16
2	IT2403	Software Project Management	02.02.16	16.02.16	01.03.16	04.04.16

# **IT2042                    INFORMATION SECURITY**

## **UNIT I INTRODUCTION**

### **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 SECURITY INVESTIGATION**

### **WEEK2&3:**

Need for Security, Business Needs, Threats,

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

Attacks, Legal, Ethical and Professional Issues

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

## **UNIT III SECURITY ANALYSIS**

### **WEEK 6:**

Risk Management:

### **WEEK 7:**

Identifying and Assessing Risk

### **WEEK 8:**

Assessing and Controlling Risk

### **WEEK 9: PRE MODEL EXAM**

## **UNIT IV LOGICAL DESIGN**

### **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 PHYSICAL DESIGN**

### **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 INTRODUCTION TO SOFTWARE PROJECT MANAGEMENT**

**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 PROJECT EVALUATION**

**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 ACTIVITY PLANNING**

**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: PRE MODEL EXAM**

**UNIT IV MONITORING AND CONTROL**

**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 MANAGING PEOPLE AND ORGANIZING TEAMS**

**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, Mikecotterell, “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 Manangement in Practive”, Pearson Education, 2002.