

21CYS09	DISASTER RECOVERY	L	T	P	C
		3	0	0	3
Course Objectives					
<ul style="list-style-type: none"> To impart knowledge on concepts related to disaster, disaster risk reduction, disaster management To acquaint with the skills for planning and organizing disaster response 					
UNIT I	DISASTER RECOVERY AND RISK MANAGEMENT BASICS	9 Hours			
Overview - definition-Components of business-The cost of planning versus the cost of failure-Types of disasters-Electronic data threats- Business continuity and disaster recovery planning – basics – Risk Management Basics-Principle, process, Technology and Infrastructure in Risk Management-IT specific Risk Management-Risk assessment Components-Information gathering methods-Natural and environmental threats-human threats-Infrastructure threats-Threat checklist-Threat Assessment Methodology-Vulnerability assessment.					
UNIT II	BUSINESS IMPACT ANALYSIS AND MITIGATION STRATEGY DEVELOPMENT	9 Hours			
Introduction- Business Impact Analysis Overview-Understanding Impact Critically-Identifying business functions-Marketing and sales-Operations-Research and development-Warehouse-Gathering data for the Business Impact Analysis-Determining the Impact- Business Impact Analysis data points-Preparing the Business Impact Analysis report - Mitigation strategy development-Introduction-Types of Risk Mitigation strategies-The Risk Mitigation process - Developing your Risk Mitigation Strategy-People, mitigation and infrastructure-IT Risk mitigation-Backup and recovery consideration.					
UNIT III	DISASTER RECOVERY	9 Hours			
Introduction-Data Disasters-Virus Disasters-Communication System Disaster-Software Disasters-Data centre Disasters-IT Staff Disasters-IT Vendor Disasters-IT Project Failures-Information Security-Disaster Recovery Tools-Introduction to Non-IT Disasters-Disaster Recovery At Home.					
UNIT IV	PLAN DEVELOPMENT	9 Hours			
Introduction-Phase of the Business continuity and disaster recovery-Defining BC/DR teams and key personnel-Defining task and assigning resources-Communication Plans-Event logs,, change controls and appendices-Emergency response and recovery-Introduction-Emergency management overview response plan Crisis Management-Disaster Recovery-IT Recovery tasks.					
UNIT V	TRAINING, TESTING AND AUDITING AND BC/DR PLAN MAINTENANCE	9 Hours			
Introduction-Training for Business continuity and disaster recovery-Testing the BC/DR plan-Performing IT System and Security audits-BC/DR Plan Maintenance-Introduction-BC/DR Plan Change Man					
UNIT VI	CASE STUDIES				
Case studies on Disaster Management and Recovery					
TOTAL PERIODS: 45					

Course Outcomes:

At the end of the course, Students can able to

- Gain knowledge on concepts related to disaster, disaster risk reduction, disaster management
- Acquaint with the skills for planning and organizing disaster response

Text books:

1. Disaster Recovery and Business Continuity Second Edition, B S Thejendra.

Reference Books:

1. Guide to Disaster Recovery, Michael Erbschloe, (March 10, 2003)
2. Disaster Recovery and Business Continuity IT Planning, Implementation, Management and Testing of Solutions and Services Workbook Gerard Blokdijk Jackie Brewster, Ivanka 2008.