

Module Descriptor

FM-EDU-003

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Module Name		▪ MANAGING RISK IN INFORMATION SYSTEMS			
Module Code		C7-MRI-23	Version no.	01	Last Modified Date: 01/06/24
Level		7	Credits	10	
Aim		This module aims to aggregate risk data essential for evaluating business risks.			
Rationale		Information technology (IT) plays a critical role in many businesses. If you own or manage a business that makes use of IT, it is important to identify risks to your IT systems and data, to reduce or manage those risks and to develop a response plan in the event of an IT crisis.			
Pre-Requisites		C6-RL1-23		Co-Requisites	None
		Campus Learning (CL)		Distance Learning (DL)	
Delivery Approach		Will be a combination of lectures, practical's, tutorials, Blackboard Activities, and assignments		Combination of independent and guided learning, full supported through the online repository of resources, blackboard(student portal) and synchronous sessions	
Notional Learning Hours	Guided Learning	50		20	
	Independent Learning	50		80	
Learning Outcomes		<ol style="list-style-type: none">1. Describe components of and approaches to effective risk management in an organization.2. Describe techniques for identifying, analyzing, and mitigating relevant threats, vulnerabilities, and exploits.3. Identify compliance laws, standards, best practices, and policies of risk management.4. Describe components of and approaches to effective risk assessments in an organization.5. Identify assets and activities to protect within an organization.6. Identify risk mitigation security controls and develop a risk mitigation plan.7. Perform a business impact analysis.			

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	8. Perform business continuity, disaster, and incident response planning.			
Assessment	Assessment Heading	Assessment Type		Contribution (%)
		CL	DL	
	Attendance	N/A	Discussion Forum	0%
	Internal Assessment	Short Test/Assignment	Assignment	40%
	End Assessment	Project	Project	60%
	Supplementary Assessment:	Project	Project	100%
Learning Resources	<p>Required reading: Managing Risk in Information Systems, 3rd Edition, by Darril Gibson, Andy Ignor Released November 2020, Publisher(s): Jones & Bartlett Learning ISBN: 9781284183726</p> <p>Reference Material: Managing Risk In Information Systems (Information Systems Security Assurance Series) By Darril Gibson</p>			
Other Resources	<p>BY Laurence Crane, Gene Gantz, Steve Isaacs, Doug Jose, Rod Sharp2 PUBLISHED BY Extension Risk Management Education and Risk Management Agency</p>			
Indicative Content	<ul style="list-style-type: none"> ▪ Risk Management Fundamentals ▪ Risk Management: Threats, Vulnerabilities & Exploits ▪ Strategies for Mitigating Risks <ul style="list-style-type: none"> ○ Defining Risk Assessment Approaches ○ Performing a Risk Assessment ○ Identifying Assets & Activities to be protected ○ Identifying & Analysing Threats, Vulnerabilities & Exploits 			

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- Identifying & Analysing Risk Mitigation Security Controls
- Turning a Risk Assessment into Risk Mitigation Plan
- Developing a Risk Management Plan
- Disaster Recovery, Incident Response Team, and Plan