Aadhvikha Ventures - Course Outline

1.	Course Name:	Certified contemporary Management	
	Course Code:	MGT1800	
	Course Classification:	Professional Development	
2.	Synopsis:	This course equips managers and professionals with a foundational understanding of emerging technologies, focusing on artificial intelligence (AI) & big data, blockchain, and cybersecurity. Participants will explore practical applications, strategic decision-making insights, and risk mitigation techniques, enabling them to leverage these technologies effectively in management roles.	
3.	Name(s) of Academic Staff:	Syed Helmy bin Syed Abu Bakar	
4.	Semester and Year Offered:	Year Offered: 2024, 2025	
		Semester: Non-applicable	
		Remarks: Course is offered throughout the academic year.	
5.	Credit Value:	9	
6.	Pre-requisite/ co-requisite (if any):	Basic knowledge or work experience in management.	
7.	Course Learning Outcome (CLO):	By the end of the course, participants will be able to:	
		CLO1	Understand and articulate the fundamentals of AI & big data, blockchain, and cybersecurity in a managerial context.
		CLO2	Analyze the role of emerging technologies in decision-making and strategic planning.
		CLO3	Develop and implement strategies for data-driven innovation and cybersecurity management.
		CLO4	Assess risks and ethical considerations associated with adopting new technologies.
		CLO5	Implementation of collaboration between technical teams and managerial staff to drive organizational success.

8.	Program Learning Outcome (PLO):	**Program 1: Artificial Intelligence & Big Data in Management**	
		PLO1	Introduction to AI: Fundamentals and applications in business.
		PLO2	Ethics of AI: Balancing innovation with ethical considerations.
		PLO3	Overview of Big Data: Key concepts, trends, and applications.
		PLO4	Data Analytics for Managers: Tools and techniques for business intelligence.
		Program 2: Blockchain for Managers	
		PLO5	Understanding Blockchain Technology: Basics and applications in business.
		PLO6	Blockchain in Supply Chain and Operations: Enhancing transparency and efficiency.
		PLO7	Smart Contracts: Automating processes with blockchain-enabled agreements.
		PLO8	Blockchain and Cybersecurity: Strengthening data security using distributed ledgers.
		Program 3: Cybersecurity for Managers	
		PLO9	Introduction to Cybersecurity: Key threats and challenges for organizations.
		PLO10	Cybersecurity Frameworks: Policies and best practices for businesses.
		PLO11	Risk Assessment and Mitigation: Identifying and addressing vulnerabilities.
		PLO12	Crisis Management: Responding to and recovering from cyber incidents.

10. Distribution of Student Learning Time (SLT):								
Course Content Outline and Subtopics		CLO*	Learning and Teaching Activities**					Total SLT
			Online/ Technology-mediated (Synchronous)				Independent Learning (Asynchronous)	
			L	T	P	O		
1.	Explain the fundamental concepts of AI & big data and its implications for managerial practices.	CLO1	2				2	4
2.	Utilize data analytics techniques to extract actionable insights.	CLO2	2				2	4
3.	Address challenges and ethical considerations in implementing AI solutions.	CLO4	2				2	4
4.	Understand blockchain concepts and their potential applications in business.	CLO1	2				2	4
5.	Implement blockchain solutions to enhance operational transparency and efficiency.	CLO2	2				2	4
6.	Evaluate the role of smart contracts in automating and securing business processes.	CLO3	2				2	4
7.	Describe the essential principles of cybersecurity in a business context.	CLO1	2				2	4
8.	Conduct risk assessments to identify and mitigate potential cyber threats.	CLO4	2				2	4
9.	Formulate response plans to ensure business continuity during cyber incidents.	CLO5	2				2	4
							Sub-Total SLT	**36**
Continuous Learning		%	Online/ Technology-mediated (Synchronous)				Independent Learning (Asynchronous)	
1.	Assignment	100	1				3	4
							Sub-Total SLT	**4**
							GRAND TOTAL SLT	**40**

11.	Identify special requirement or resources to deliver the course (e.g., software, nursery, computer lab, simulation room etc)	1. Learning Management System - Moodle 2. Online library - Perlego 3. Student management system - OpenEduCat
12.	Transferable Skills (If applicable) (Skills learned in the course of study which can be utilized in other settings)	1. Cognitive Skills 2. Communication Skills 3. Ethical Considerations 4. Risk Assessment
13.	References (include required and further readings, and should be the most current)	- Shaikh, F. A., & Siponen, M. (2022). Information security risk assessments following cybersecurity breaches: The mediating role of top management attention to cybersecurity. *Computers & Security*, *124* - Sundström, A. (2024). AI in management control: Emergent forms, practices, and infrastructures. *Critical Perspectives on Accounting*, *99* - Adhiatma, A. (2022). Blockchain-based human resources management practices to support performance efficiency: A literature survey. *Human Resources Management and Services*, *4*(1) - Dehbi, S., Lamrani, H. C., Belgnaoui, T., & Lafou, T. (2022). Big Data Analytics and Management control. *Procedia Computer Science*
14.	Other additional information (If applicable)	Independent Learning (Asynchronous) of SLT is merely a suggestion. Students are not required to fulfil the recommended learning time, yet they are encouraged to.