Proposal for New Course				
Course Number	:	MB523		
Course Name	:	Introduction to AI and Automation		
Credits	:	2-0-0-2 (L-T-P-C)		
Prerequisites	:	None		
Intended for	:	MBA		
Distribution	:	Compulsory		
Semester	:	Even		

Preamble

Objective •

Course Modules with Quantitative lecture hours				
Module 1	Introduction to AI and Automation	(4)		
Digitization and digitalization; Automation: traditional automation and intelligent automation; Identifying tasks and their characteristics suitable for automation, Automation payoffs; Defining AI, Types of AI: artificial narrow intelligence (ANI), artificial general intelligence (AGI) and artificial super intelligence (ASI), AI and machine learning, AI classification as per business capabilities- Process Automation, Cognitive Insights and Cognitive Engagement.				
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Module 2	Traditional Automation- No human Intervention	(4)		
Scopes and techniques of automation, Business processes, Process Standardization, Reengineering and deconstruction, Identification of repetition, replication ans redundancy elements in business				

Module 3	AI for Automation	(6)
Combination	decisions, human and machine capabilities for automation, Right Hum ; Automating through Adaptive Business Processes, AI for automating orative Automation (Human and Machine Collaboration).	
Module 4	AI and Humans- Optimal Collaboration	(4)
	e Automation through activities by humans and machines to complem -in-the-loop systems, Humans for machine capability extension and	
roles, human Human train AI augment Embodiment	i-in-the-loop systems, Humans for machine capability extension and ers, explainers and sustainers for AI system development. ing human capabilities, Types of augmentation- Amplification, t.	l amplification
roles, human Human train AI augment	i-in-the-loop systems, Humans for machine capability extension and ers, explainers and sustainers for AI system development. ing human capabilities, Types of augmentation- Amplification,	l amplification
roles, human Human train AI augment Embodiment Module 5 Proper mind	i-in-the-loop systems, Humans for machine capability extension and ers, explainers and sustainers for AI system development. ing human capabilities, Types of augmentation- Amplification, t.	Interaction and (6)
roles, human Human train AI augment Embodiment Module 5 Proper mind	 in-the-loop systems, Humans for machine capability extension and ers, explainers and sustainers for AI system development. ing human capabilities, Types of augmentation- Amplification, t. Reimagining Business Processes set to reimagining processes, Experimentation, Leadership challenges 	Interaction and (6)

Reference Book:		
1	Paul R. Daugherty and H. James Wilson, Human+ Machine: Reimagining Work in the Age of AI, Harvard Business Review Press, Boston, 2018.	
2	Tom Taulli, Artificial Intelligence Basics: A Non-technical Introduction, Apress, 2019.	
3	Thomas H. Davenport, The AI Advantage: How to Put the Artificial Intelligence Revolution to Work, The MIT Press, 2018	

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4	by Ravin Jesuthasan and John W. Boudreau, Reinventing jobs:a 4-step approach for applying automation to work, Harvard Business Review Press, Boston, 2018.
5	Melanie Mitchell, Artificial Intelligence: A Guide for Thinking Humans, Pelican Books, Penguin Random House, 2019.
6	Tomas Chamorro-Premuzic, I, Human: AI, Automation, and the Quest to Reclaim What Makes Us Unique, Harvard Business Review Press, Boston, 2023.
7	Ian Barkin, Jochen Wirtz, and Pascal Bornet, Intelligent Automation: Learn how to harness Artificial Intelligence to boost business & make our world more human, Independently Published, 2020.
8	Ian Barkin, Jochen Wirtz, and Pascal Bornet, Intelligent Automation: Learn how to harness Artificial Intelligence to boost business & make our world more human, Independently Published, 2020.
9	Byron Reese, The Fourth Age: Smart Robots, Conscious Computers, and the Future of Humanity, Atria International, 2018.
10	Deepak Karwal, The Automated Enterprise: Digital Reinvention through Intelligent Automation, Publisher: Deepak Karwal, 2020.
11	Matt Calkins, Neil Ward-Dutton, George Westerman et al., Hyperautomation, BookBaby, 2020.
12	Bhasker Ghosh, Gayathri Pallail and Rajendra Prasad, The Automation Advantage: Embrace the Future of Productivity and Improve Speed, Quality, and Customer Experience Through AI, McGraw-Hill Education, 2022.