Course	UDS21D05T	Course	I ECHNOLOG I LEAD	ERSHIP AND INNOVATION M	IANAGEMENT		ours		D		D	iscip	ine	Spec	ific	Elec	tive		8	L	T	P	C
Code	ć.	Name				Ca	tego	ory			10,038					F103670570	7.49070			4	0	0	4
Pre-re	equisite Courses	Nil		Co-requisite Courses	Nil					Pro	gres	sive (Cour	ses	Nil								
Course O	ffering Departme	nt	Computer Application	S	Data Book / C	odes	s/Sta	ndar	ds 1	lil													
Course Le	earning Rationale	(CLR):	The purpose of learni	ng this course is to,		Le	earni	ng				P	rogr	am L	earn	ing (Outco	omes	s (PL	.0)			
CLR-1:	0.00		ow to lead transformational technologies and innovation	l growth by developing an u ions	inderstanding	1	2	3	1	1	2	3 4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Learn how to ap industries	oply prev	alent best practices within	business organizations, sec	ctors, and				4		1	7											
CLR-3:		The state of the s	derstand, embrace, and done to not only survive but t	eploy the appropriate innovanive.	ations at scale					١													
CLR-4:			ortunities and shape the fu ational technologies.	iture of their organizations a	and industries					0		nes	-	de									
CLR-5:	Understand how and strategy ac		The state of the s	h responsibility to drive tech	ninnovation	(Bloom)	0.15			wledge	cepts	Jiscipi	26.1	Knowledg		Data		Skills	Skills			vior	
CLR-6:	TO 100 100 100 100 100 100 100 100 100 10		nies get up-to-speed on the erior solutions to clients	e latest technologies and bu	isiness	inking (roficiency	Attainment		al Kno	of Concer	Related Disciplines		Utilize Know	=		e Skills	Solving S	700	Skills		al Behavior	earning
Course L	earning Outcome	es (CLO):	At the end of this cours	e, learners will be able to:		Level of Th	Expected P	cted		Fundamental Knowledge	Application	Drocodural		들 은	Skills in Mo	Analyze, In	Investigative	Problem Sc	Communication	Analytical S	ICT Skills	Professional	Life Long L
CLO-1:	100 May 100 Ma		of how digital transformation of how digital transformation	on offers a technology-base n	ed solution to a	2	85	80	dulf.	Н	Н	н н	I	Н	Н	Н	Н	Н	Н	Н	L	Н	Н
CLO-2:			The state of the s	p with the practical application solutions in your business		3	85	80		Н	Н	н н	l F	Н	Н	Н	Н	Н	Н	Н	L	Н	Н
CLO-3:	1		ues that advance their lead um traction on your tech in	ership acumen with a focus nitiatives	on topics that	3	85	80		Н	Н	Н	H H	Н	Н	Н	Н	Н	Н	Н	L	Н	Н
CLO-4:	Understand the advances in Al	various	applications of Al in busine	ess and the opportunities be	ing created by	3	85	80		Н	Н	H F	l l	Н	Н	Н	Н	Н	Н	Н	L	Н	Н
CLO-5 :				ssfully adopted by global bra ective in your organization	ands, and	3	85	80	Ū,	Н	Н	н н	l l	Н	Н	Н	Н	Н	Н	Н	L	Н	Н
CLO-6 :			digital transformation on b industry verticals	usiness models and study t	he disruptive	3	85	80		Н	Н	Н	l l	Н	Н	Н	Н	Н	Н	Н	L	Н	Н

Note: All our curriculum, study materials, assignments, quizzes, lab works, and learning resources are personalized and dynamically generated using machine learning models based on the learner's learning ability. Users can review our learning curriculum only through our intelligent learning management platform (iLMSP), and our learning resources and lab infrastructures are available only in the digital form on our cloud infrastructures.

	ration lour)	12	12	12	12	12		
S-1	SLO-1	Unit 1: Management - General vs. Business	Issues in Technology Innovation Management	Performance Measurement, Performance Management, and Improvements	Steps of technology implementation ✓ Plan ✓ Design ✓ Implement ✓ Support	Unit 9: Technology Assessment: Technology Choice, Technology Assessment Process		
	SLO-2	Management Overview	Research Methods in Technology Innovation Management	Need of Technology Forecasting	Automation overview	Technology Assessment overview, Importance of technology assessment		
	SLO-1	Principles of Management	Customer Value Creation in Technology Firms	Technology Lifecycle	Automation and business cases	Business Benefits and challenges of technology assessment		
S-2	SLO-2	Financial Management	Management of Software Engineering Projects	Technological Roadmaps and Forecasting	Business case for automation	Various elements in technology assessment, Steps to conduct technology assessment		
S-3	SLO-1	Business Environment	Integrated Product Development	Unit 5: Technology Adoption and Diffusion	Unit 7: Technological Change and Impact of Technological Change			
3-3	SLO-2	Human Resource Management	Designing Innovation Communities	Technology Adoption and Diffusion Overview	Technology change Overview	Unit 10: Technology and Innovation Business Case Development		
S-4	SLO-1	Marketing Research	Unit 3: Program, Project, People, and Product Management	Technology Adoption Lifecycle	Process of Technology Changes	Business cases overview		
0.4	SLO-2	Communication skills	Program Management overview, Foundations of Program Management	Stages of Technology Adoption Lifecycle	Importance of Technology Changes	Data and assumptions		
	SLO-1	Leadership skills	Program Management Life Cycle and Methodologies, Program Management Skills	How a Business leverages from Technology Adoption Lifecycle	Characteristics of Technology Changes	Business cases – organizational context, Business case opportunity identification		
S-5	SLO-2	Business laws	Projects, Programs, and Portfolios, Role and Responsibilities of a Program Manager	Why Companies need to focus on Technology Adoption Lifecycle	Example of Technology Changes	Business case considerations, Effective Decision-making structures, Business case opportunities		
	SLO-1	Customer Relations Management	Leading a Program, Leading a Program vs Leading a project	How Technology Adoption works	Impacts of Technology Changes	Building a business case for introducing new technologies		
S-6	SLO-2	Computer Applications	Project Management overview, Foundations of Project Management	Business Benefits of Improving Adoption rates	Emerging Technologies	Unit 11: Evaluating Industry Trend, Market Demand, and Business Needs		
S-7	SLO-1	Operations Management	Project Management Life Cycle and Methodologies, Project	Technology Adoption Challenges	Impact on the workforce	Market Research and competitive analysis		

			Management Skills, Role of a Project Manager			
	SLO-2	Organizational Behavior	Organizational structure and culture, People Management overview, Foundations of People Management	Diffusion of Innovation	Implications for public policy	Use market research to find customers
S-8	SLO-1	Economics	People Management Life Cycle and Methodologies, People Management Skills, Getting Work Done Through Others	Companies and Technological Diffusion	Unit 8: Corporate Learning, Research, and Innovation	Find a Market advantage, Five Force analysis
	SLO-2	Business Fundamentals	Assessment and Evaluation, Building Peer Networks, Essentials of communication	Pattern of Technological Diffusion	Organizational learning	Rivalry among competitors in an industry
0.0	SLO-1	Retail Management	Managing Self, Product Management overview, Foundations of Product Management	Product Diffusion	Obstacles to organizational learning	Threat of potential new entrants, Threat of Substitutes for an Industry's Offerings
S-9	SLO-2	Understanding Industry and Markets	Product Management Life Cycle and Methodologies, Product Management Skills, Managing Innovative Product Teams	Characteristics of Technology Diffusion	Building a learning organization	Power of Suppliers to an Industry, Power of an Industry's Buyers
S- 10	SLO-1	Digital Marketing	Roles and Responsibilities of the Product Manager, Marketing Challenges and Guiding Principles, Customer Development and Crossing the Chasm	Unit 6: Implementation of New Technology, Automation, and Business Case Development	Implementing an Effective Corporate Learning Strategy	Limitations of Five Forces Analysis, Market Demand Analysis ✓ Market identification ✓ Business cycle ✓ Product niche ✓ Evaluate competition
	SLO-2	Leadership and Ethics	Unit 4: Technology Acquisition and Forecasting	Implementing New Technologies overview	Corporate research overview	Unit 12: Evaluating Industry Trend, Market Demand, and Business Needs
S-	SLO-1	Strategic Management	Acquisition Laws, Regulations, and Policies	Marketing Perspective	Importance of Corporate research	Technology Leader overview, Technology steward overview, Aspects of Technology Leadership
11	SLO-2	Unit 2: Technology and Innovation Management	Business Planning, Need and Establishing the Acquisition Team	Framework for implementation	Business Benefits of Corporate research	Assessment and forecasting ✓ Technology assessment ✓ Technology forecastin
S- 12	SLO-1	Principles of Technology Innovation Management	Planning for IT Acquisitions	Multiple internal markets	Why is corporate innovation needed	Technology management and transfer, Technology assessment techniques, Adopting Project management methodologies from different industries

SLO-2	Technology Entrepreneurship	Acquisition Strategy, Plan, and Implementation	Prom	notion vs hype	Getting started with corporate innovation	Build in time to experiment and fail, Taking the management out of project management
Learning Resources	the state of the s	plarelli O'Connor, (2010), "Encycloped on", John Wiley & Sons Ltd	agement",	Concepts of Information 4. Marc J. de Managemer Mark Dodgson, David	riedman, Desiree M. Roberts, Jonath f Technology and Innovation Manage science reference /ries, (2021), "Innovation Research in t – A Philosophical Approach", Rout Gann, Ammon Salter, (2008), "The I and Practice", Oxford University Pres	ment: Critical Research models", n Technology and Engineering ledge Management of Technological

Learning	g Assessment		174	100	A STATE OF THE PARTY OF THE PAR							
				Continuou	s Learning Ass	essment (50%	weightage)		Final Exa	amination		
	Bloom's	CLA - 1 (10%)		CLA - 2 (10%)		CLA -	3 (20%)	CLA -	4 (10%) #	(50% weightage)		
	Level of Thinking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	
Laurald	Remember	400/		400/		400/		400/	and -	400/		
Level 1	Understand	40%		40%	- 100	40%		40%		40%		
Lavel	Apply	400/		400/	1	400/		400/	1	400/		
Level 2	Analyze	40%		40%		40%	100	40%	Application of	40%		
Lavel 2	Evaluate	200/	E 1.76	200/	1777 . 75	200/	STEEL ST	200/	The same of	200/		
Level 3	Create	20%	A.Z	20%	E 44 7 1	20%	To The	20%		20%	-	
	Total	10	0 %	10	0 %	10	0 %	10	0 %	10	0 %	

CLA - 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
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