TECNIA INSTITUTE OF ADVANCED STUDIES

GRADE 'A' INSTITUTE

Department of Management Sciences

COURSE PLAN

ACADEMIC SESSION 2024-25 (w.e.f. 1st August, 2024)

As per Scheme of Examination & Syllabus of Masters of Business Administration for First Semester (w.e.f. 2021-22 Academic Session Onwards) Guru Gobind Singh Indraprastha University, New Delhi.

PROGRAMME CODE:	039	PROGRAMME:	Masters of Business Administration	SHIFT:	1st		L	3	T/P	0	CREDITS:	3
OURSE CODE:	MS-109	COURSE NAME:	Information Technology Management	SECTION:	A							
		COURSE TYPE:	Core/ Open Elective	FACULTY:	Mr. Abhishek Upadhay	ya .						
OBJECTIVE:		understanding on relevant ecision making in organiza	ice & need of quantitative method	ds for making business de	ecisions, to have a soun	d knowledge of fundame	entals of statistics and st	atistical techniques, be	able to read and interpre	et statistical information	, be able to perform sta	tistical analysis for
					COURSE OUTCOM	E & MAPPING, COU	RSE ARTICULATION					
				Demonstrate an understanding of management concepts, principles and theories, and apply them in the context of organizational work practices.	Apply analytical and critical thinking skills to analyze the dynamic business environment and identify entrepreneurial and business opportunities and risks.	Prepare business strategies, develop concomitant functional and operational strategies and implement them in an integrated manner to efficiently and effectively achieve the functional goals and the business objectives.	Demonstrate an understanding of decision making processes at various levels of the organization with respect to resources mobilization and their efficient deployment and use to achieve the set goals.	Demonstrate the ability to analyze management problems, to identify and collect relevant data and to apply a creative problem-solving approach.	Identify and recommend the information technology-based interventions to achieve organizational goals.	Benchmark organizational and managerial practices against the principles of good governance, ethical conduct, corporate social responsibility and the imperatives of long-term societal welfare.	Demonstrate effective communication and interpersonal skills as well as the ability to work with and lead teams.	Develop a lifelo learning approa manifested in their attitude to learn, unlearn air relearn and in their pursuit of excellence in professional, personal and social life.
CO - PO MAPPING				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	Recall the components of an Information Technology based system		1	1	1	1	1	1	1	0	1	
CO2	Identify th	tify the challenges in storage and retrieval of data		1	1		2	2	3	1	2	2
CO3	Classify the software into various types on the basis of different criteria		1	1	1	2	2	1	1	1	1	
CO4	Create and analyze the database using SQL and spreadsheet tools		2	1	1	2	1	1	2	1	1	
COS		Build an appropriate computer network as per the organizational needs		2	2	3	2	1	1	1	1	1
CO6	Develop web pages using HTML		1	2	2	1	1	1	1	1	1 .	
CO7	Contrast the information systems for managerial decision making		3	2.	2	1	1	1	2	1	1	
CO8	Understar	nd the new and eme	ging technologies	1	1	. 1	2	1	1	. 1	1	1
	1											

ecture No.	Unit No.	Topic	Sessional Outcome	Experiential Learning	Participative Learning	Problem Solving Methodologies	ICT Tools & E-Resources Utilization	Mapping with CO	Class Material (PPT Faculty+ Students)	Additional Material (Links/ Journals/ Articles)	Mode of Assessment	Bloom's Taxonom
	-	Information Technology	Lecture Contents	Understand basic concepts of computer and its characterstics	-	Demonstration	https://www.youtube.co m/watch?v=MXZmQOOC		PPT by Teachers	https://www.youtube.co m/watch?v=AUtGSd3uuM	QA Session	Level1,2
		Components of IT systems Characteristics and Classification of computers	d	Understand the characterstics of Computer	Group Discussion		https://www.bdu.ac.in/cd e/SLM/SLM_FULL/B.Com %20C.A%20III%20Year%2	d CO1	Group Discussion(CIA)	https://www.youtube.co m/watch?v=AUtGSd3uuM	Viva	Level1,3
		Computer Memory: Types o Memory		Define the Classifications of Computers	Group Discussion		Youtube	CO1	PPT	https://www.youtube.co m/watch?v=z1lsbOurqO4	QA Session	Level1,2
		Storage Systems	s Classifications of Computers: Micro, Mini, Mainframe and super computers.	Classify the Block Diagram of Computer and its Acrhitecture		Presentations by Students	https://www.youtube.co m/watch?v=L9X7XXfHYdU &list=PLxCzCOWd7aiHMo	CO1	PPT by Students	&t=31s https://www.cs.umd.edu/ ~meesh/411/CA-	QA Session	Level1,3
		Concept of Cloud Computing		Identify Hardware Units of computer	Tutoring		Demonstration	CO1		online/chapter/computer- https://www.researchgat e.net/publication/351955	Viva	Level 4,5
		challenges	Input-output devices, Description of Computer Input Units, Output Units, CPU.	State Memory Hierarchy		Group Discussion	Youtube	CO1		758_A_Bibliometric_Analy https://www.youtube.co m/watch?v=1JB86jsvvRE	QA Session	Level 2,3
2 . 9	11	Computer Software	Computer Memory: Memory Hierarchy	Classify how many types of memory			Youtube	CO1	Debate (CIA)	https://www.youtube.co m/watch?v=sWAsRA-	MCQ	Level 2,3
	"	Types of Software	Types of memory :Primary Memory – RAM and its types, ROM and its types,	Classify the Hard Disk and its work	Brainstorming		Youtube	CO1		9DgQ&t=379s https://www.youtube.co m/watch?v=wnBvCRHdfiY	Viva	Level 2,4
	II	System Software: Introduction to Operating System	Secondary Storage Devices - Hard Disk, Compact Disk,	State Cloud Computing			https://www.researchgat e.net/publication/352477 780_Research_Paper_on_	CO1		https://www.tutorialspoi nt.com/cloud_computing/	Assignment	Level1,2
	"	Need, Functions and Types of Operating systems	Concept of Cloud Computing			Group Discussion	700_Nesearth_Paper_on_	CO1	Group Discussion (CIA)	cloud_computing_overvie	Viva	Level1,3
	"	Introduction to GUI	Tutorial	Explain the concept of Data Centers			https://www.youtube.co m/watch?v=4ZEVeswhw	CO1	Viva-Vose (CIA)	https://go4hosting.in/blo g/6-key-challenges-faced-	Quiz	Level1,2
	11.	Compiler, Interpreter and Assembler	Data Centers & their challenges	Explain the basic concept of Software and its types			Youtube	CO1		by-data-centers-in-india/ https://www.youtube.co m/watch?v=ZV46RFIXN8U	исо	Level 4,5,6
			Interaction with Computers: Computer Software	Classify about system software			Youtube	CO1		https://www.youtube.co m/watch?v=e0fir6to58k	Quiz	Level 2,3
		Application Software and their uses	System software:	Demonstrate the concept of an Operating System				CO1			tuiz	Level 2,3
		and emerging trends in software development	operating system	Classify the Translaters		Group Discussion	Youtube	CO1,CO2	Group Discussion (CIA)	https://www.youtube.co m/watch?v=Ij71sDmmKpc	1CQ	Level 2,3
		Spreadsheet and Presentation Software. Data Analysis using Excel	Introduction to GUI, compiler Interpreter and Assembler	Understand about the type of Computer Languages			Youtube	CO1,CO2	- 1	V	iva	Level 2,4
		DBMS: Traditional File Concepts and Database Environment	Types of Computer Programming Languages		rainstorming		Youtube (CO1,CO3		https://www.youtube.co m/watch?v=ifo76VyrBYo	uiz I	Level1,2
ll l			Application Software and their uses	Explain the use of spreadsheet			PPT	CO1,CO3	Debate		cq ı	Level1,3
11	1	Types of Data Models, ER S Modeling		Understand about Excel B and DBMS	rainstorming		/outube (01	PPT	https://www.youtube.co m/watch?v=yLVij0WEavw	cq L	evel1,2
II.		ntegrity Constraints, SQL C jueries.	Data Analysis Using Excel,Intro to DBMS, Tarditional file concept	Understand DBMS D Environment	emonstration		PPT C	01	* * * * * * * * * * * * * * * * * * * *	https://www.youtube.co Q/ m/watch?v=U2T_LCdO14	A Session L	evel 4,5
111		Data Communication and D detworks		Understand about the type of Data Models			C	01,002	PPT by students	Viv	ra Li	evel 2,3
III			ypes of Data Models , ER Modelling	Define Intergirty Constant		P	PT C	01,002	Viva-Vose (CIA)	https://www.youtube.co As: n/watch?v=V2Exczh3Row	signment Le	evel1,2
111		ypes of Data- In ommunication Networks	ntegrity Constatnt		3-2-1	Y	outube C	01		nttps://www.youtube.co Qu n/watch?v=nhdQpXMldx	iz Le	evel1,3
111		ommunications Media Ti	utorial	Use of SQL Commands		Υ	outube C	01,002	PPT h	ettps://www.youtube.co QA n/watch?v=rXaxmKFvfmY	Session Le	rvel1,2

	"	Concepts of Computer Networks	er SQL Queires	Demonstrate the concept of DCN	Tutoring			CO1,CO2			MCQ	Level 4,5
5 -	III	Primary Network Topologies	k Data Communication & Networks	Demonstrate the concept Data and its Network	Tutoring		Youtube	CO1,CO3	PPT	https://www.youtube.co m/watch?v=_yog7h4Bok0		Level 2,3
7	III	Network Architectures-The OSI Model	e Concept of DCN	Demonstrate the types of DCN	Tutoring		Youtbe	CO1,CO2	PPT by Students	https://www.youtube.co m/watch?v=JFF2vJaNOCw &list=PLxCzCOWd7aiGFBI	1 1 1 1 1 1 1	Level1,2
	III	Inter-Networking devices	Types of Data Communication Networks	Understand the concept of Communication media	Presentation by Teachers		Youtbe	CO1,CO2	PPT	https://www.youtube.co m/watch?v=GflvQiamXFU		Level1,3
	Ш	The Internet, Intranet and Extranets	Communication media	Understand th concept of Computer Networks		Grpup Discussion	Youtbe	CO1,CO2	PPT by Students	https://www.youtube.co m/watch?v=rll8Djfx1fc	Viva	Level1,2
	Ш	Internet Services	Concept of Computer Networks	Explain the Different Topologies		Grpup Discussion					MCQ	Level 4,5
	111	World Wide Web	Primary Network Topologies	Define the concept of OSI Model			Youtbe	CO1,CO2	PPT	https://www.youtube.co m/watch?v=Tn9MxBdViZ4		Level 2,3
	Ш	HTML,	Network Architecture -The OSI Model	Understand networking device			https://www.researchgat e.net/publication/317101 504_Computer_Networki		PPT by Students		MCQ	Level1,2
	IV	Functional and Enterprise Systems	Inner Networking Devices	Understand the Basic concept of Intranet and Extranet		Grpup Discussion	https://ieeexplore.ieee.or g/abstract/document/700 3481		PPT		QA Session	Level1,3
	IV	Data, Information and Knowledge Concepts	Internet, Intranet & Extranet	Understand the Concept of WWW		Grpup Discussion					QA Session	Level1,2
	IV		Internet Services & Wrold Wide Web	Use of Creating Web Pages		Grpup Discussion	https://www.youtube.co m/watch?v=Ilk7UXzV_Qc	CO1,CO2	PPT	https://citeseerx.ist.psu.e du/viewdoc/download?d	Viva	Level 4,5
	IV	Concept and Classification of Information Systems	Creating web pages using HTML	Describe the concempt of Functional system	Brainstorming		Youtube	CO1,CO2	PPT	oi=10.1.1.874.1968&rep=r	QA Session	Level 2,3
	IV	Concept and Classification of Information Systems	Functional & Enterprise System	Explain the concept of LAN,WAN & MAN		Group Discussion	Youtube	CO1,CO4	PPT		MCQ	Level 2,3
	IV	Security Issues in Information Technology		Define the concept Decision Making		Group Discussion					MCQ	Level1,2
	IV	Emerging Trends in Information Technology		Describe the concept Information system	3		E-Books	CO1,CO4	PPT	https://www.13stream.co m/books/	Quiz	Level1,3
	IV		Concept and Classification of Information System	Discuss the security Issues			E-Books	CO1,CO4	PPT		Quiz	Level1,2
	IV	Artificial Intelligence, Machine Learning	Security issues in Information System	Discuss about IT			E-Books	CO1,CO4	PPT		QA Session	Level 4,5
	IV			Explain the concept of Blockchain							Quiz	Level 2,3
	IV	Revision		Understand Artificial Intlligence			Presentation by students	CO1,CO4	PPT	https://www.youtube.co m/watch?v=n0iaPtsnmxQ	QA Session	Level 2,3
	IV	Revision ·		Understand the concept of Machine Learning			Presentation by students	CO1,CO4	PPT	https://www.youtube.co m/watch?v=kl0zbaNTMf0	QA Session	Level6
		Previous Years Question 1 Paper Discussion		Understand and use of Applications of Al			https://open.umn.edu/op entextbooks/textbooks/1	CO1,CO4	Student ppt		QA Session	Level 6

Suggested Readings : (Latest Editions)

- 1. ITL Education Solutions: Introduction to Information Technology, 2/e, Pearson Education.
- 2. Turban, Rainer and Potter. Introduction to Information Technology, John Wiley and Sons.
- 3. Behl R. Information Technology for Management, McGrawHill Education.
- 4. Joseph A. Brady and Ellen F Monk. Problem Solving Cases in Microsoft and Excel, homson Learning.
- 5. Mukta Sharma and Surabhi Shankar. Computer Applications, Galgotia Publishing Company.
- 6. Saini A.K. and Mukta Sharma, Web Technologies, Galgotia Publishng Company.

Name of Faculty:

- 1. Journal of Information Technology
- 2. Journal of Strategic Information Systems
- 3. Journal of Computer Information Systems
- 4. International Journal of Information Management
- 5. International Journal of IT/Business Alignment and Governance