

Department of Commerce and Business Management Study and Evaluation Scheme

Program: BBA

Semester: 3

S.No.			Type of	Per	Period hr/we /sem	ek		Eva Scho	luation eme		Sub.						А	ttribut	es		
	Course code	Course Title	Paper	L	Т	Р	СТ	ТА	Total	ESE	Total	Credit	Total Credits	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Sustainable Development Goal
1	BM 213	Indian Economy	Core	3	1	0	40	20	60	40	100	3:1:0	4	\checkmark	\checkmark	\checkmark		V			8,9,12
		Mercantile Law	Core	3	1	0	40	20	60	40	100	3:1:0	4	\checkmark	\checkmark	\checkmark		\checkmark			8&16
3	BM 277	Programming with Python	Core	3	0	0	40	20	60	40	100	3:0:0	3	\checkmark		\checkmark					4
4	BM 215	Cost & Management Accounting	Core	3	1	0	40	20	60	40	100	3:1:0	4	\checkmark		\checkmark					9
5	LN 201	Advance Professional Communication	Core	3	1	0	40	20	60	40	100	3:1:0	4	\checkmark	\checkmark	\checkmark		\checkmark			8
6	BM 216	Basics of	Core	3	1	0	40	20	60	40	100	3:1:0	4	V							4&12
7	BM 217	Seminar	Core	0	0	1	0	0	0	0	100	0:0:1	1								
Total				18	5	1	240	120	360	240	700		24								



Effective fr	om Session: 2	020-21			0	、	•						
Course Cod		BM 21	3	Title of the Course	I	NDIAN ECON	IOMY			L	Т	Р	С
Year		2		Semester	3	3				3	1	0	4
Pre-Requis	ite	None		Co-requisit	te N	None							
Course Obj	jectives				/ Indian eco	onomy is influe	ncing the bus	economy and its iness environme				ms to 1	make
						urse Outcomes							
CO1								e Independence.					
CO2								ess of the nation					
CO3	changing nat	ire of agri	cultura	l sector and	its contribu	ation to the eco	nomy as a wh		•	aluat	te the p	rogres	s and
CO4								act of various se					
CO5	To understar understand th				e reasons	and causes of	numerous e	conomic proble	ems prevai	ling	in the	socie	ty &
Unit No.	Title of the	Unit				Content of	Unit				ontac Hrs.	Map C	oped O
1	National Inc and Infrastru	cture T	ndian e hanges 'ertiary	conomy, na in structur	tional incor e of India nfrastructur	me of India: gro n economy (P	owth, structur rimary sector	, basic characte e, and interstate r, Secondary so ble of infrastru	variation ector and		10	C	D1
2	Planning a Economi Developm	ments of		8	C	02							
3	Agriculture Land refor	reforms,		8	C	D 3							
4	Industrial G	al policy sector		9	CO	D4							
5	Major econo problems a Foreign Tr	omic in ind In	1ajor 1flation	economic , regional i economy, I	problems: mbalances	population, .Recent trends	unemploymer in foreign t	nt, poverty, in rade of India, V GATT, FEMA	nequality, WTO and		10	C	05
Reference I	Books:	1	KII00.										
Basu, K., 7	The Oxford Co	mpanion	to Ecor	nomics in In	dia, Oxford	l University Pre	ess, New Delh	i Latest edition.					
Governme	ent of India Pla	nning Cor	nmissio	on, Latest ec	lition								
Jalan, B., 7	The Indian Eco	nomy: Pro	oblems	and Prospe	cts, Viking,	, Delhi, Latest e	edition						
		-			-			, New Delhi, La	test editior	ı			
	-				-	Delhi, Latest e		,, . , .					
e-Learnin			,		,,	,							
	0	/10010	410.4										
nttps://np	tel.ac.in/cours	ses/109104			ulation M	· · · · · · · · · · · · · · · · · · ·	a of CO - '						
PO-			C	ourse Artic	ulation Ma	urix: (wiappin	g of COs wit	h POs and PSC	J S)	1			
	PO1 PO	02 P	903	PO4	PO5	PO6	PO7	PSO1	PSO2]	PSO3	PS	SO4
CO1	1 -		1	2	-	1	-	2	2		1		1
CO2	2 -		1	2	2	1	-	2	1		1		2
CO3	1 1		2	-	1	2	2	1	2		2		-
CO4	2 2		2	2	2	2	2	3	-		2		3
CO5	2 1		2	1	2	2	2	2	2		2		3
		I						antial Correlati				-1	-



			megrare		Sity, Luci								
Effective fr	om Session: 2020-	21											
Course Cod	le	BM-214	Title of the Course	Merca	ntile Law			L	Т	Р	С		
Year		II Year	Semester	Semes	ter III								
Pre-Requis	ite	NONE	Co-requisite	NONE				3	1	0	4		
Course Obj		transactions	general introduction	n to the	e legal environn	nent that affec	ts individuals	, bus	iness	and b	isines		
Effective fr	om Session: 2020-	21											
Course Coo	le	BM-214	Title of the Course		cantile Law			L	Т	Р	С		
Year		II Year	Semester		ester III			-					
Pre-Requis	ite	NONE	Co-requisite	NON	·	1		3	1	0	4		
Course Obj	ectives	transactions	general introduction t	o the leg	gal environment	that affects indi	viduals, busine	ess ar	nd busi	_			
Unit No.	Title of the Unit	ŧ		Con	tent of Unit				Contac t Hrs.		appec CO		
	Indian Contract		Contract Act 1872: de										
1	Act	Contrac	et: offer and acceptand y of object void agree		deration, free con	isent, and capao	city of parties.		10		CO1		
		ash of	_										
2	Indian Contract Act		hance of contract and t, basic concepts of co						7		CO2		
2	Indian		Partnership Act 1932:				ts and duties		0		202		
3	Partnership Act		tner, dissolution of pa			1 1/ 0	, ,		8		CO3		
	Sale of Goods		Goods Act 1930: def		,								
4	Act		g of conditions and w		-		-		10		CO4		
	Transfer of ownership, rights of unpaid seller and other remedial measures. Dimensions of environmental problems, pollution and its kinds. The												
5	Environmental	Enviror	imental (Protection) A				trol of		10		CO5		
-	(Protection) Act		on) Act, 1974, The Ai										
Reference I	Books:												
Chawla, G	arg, and Sareen.: N	Iercantile Lav	w, Latest edition, Kal	yani,201	0								
	Emersion, Barron			-									
	S.K.: Business Law												
			Rural Development in	Indian (Contract Act Ac	ademic Founda	tion New Dell	hi Is	atest ec	ition			
	-		ersity Press, Delhi, La				uon, riew Den	,	acest ee	inion.			
	-		ersity i ress, Denni, La	utor tul									
e-Learnin	-	0105150											
nttps://npte	el.ac.in/courses/11		Course Articulation	Matriv	(Manning of C	Os with POs a	nd PSOc)						
PO-PSO													
<u>CO</u>	PO1	PO2	PO3 I	PO4	PO5	PSO1	PSO2		PSO3		PSO ₂		
CO1	1	2	1	1	2	3	2		1		3		
CO2	2	3	2	3	2	2	2		2		1		
CO3	3	2	2	-	3	1	3		2		2		
CO4	2		2	2	3	2	_		3		3		
CO5	1	1	1	1	2	3		+	1		2		
	1	1	w Correlation; 2- Mo	I		-	- rolation		1	I	Z		

Name & Sign of Program Coordinator Sign & Seal of HoD



Course Code BM277 Title of the Course Programming with Python I. T Pre-Requisite None Correguiste None 3 1 Pre-Requisite None Correguiste None To explore the concepts, theories and practice in field of python programming COI Understand bifferent the basics of R programming Course Outcomes Course Outcomes COI Understand bifferent the basic of R programming Course Outcomes Course Outcomes COI Understand bifferent theba 'swallration. Course Outcomes Contact COI Understand bifferent theba 'swallration. Contact Contact COI Title of the Unit Contact Contact Incoduction to Statistics and R Descriptive vn Inferential statistics, Inferential Statistics, Drawing Zatistics and Satistics and Satis and	Effectiv	e from S	ession: 2022	2-23											
Pre-Requisite None Course Objectives None Course Objectives Course Objectives The course atms at providing fundamental knowledge and exposure to the concepts, theories and practice it field of python programming Course Outcomes C01 Understand the basics of R programming Course Outcomes Course Outcomes C03 Understand the theorem of the python Course Outcomes Course Outcomes C04 To acquire the knowledge of python Course Outcomes Course Outcomes C04 To learn how to design and programming cability. Content of Unit Contact Unit Title of the Unit Content of Unit Contact No. The of the Unit Content of Unit Base Carphice Name 1 Introduction to Statistics and R Ubescriptive Statistics. Contact M R Working With R Working With R Working With R See Carphice Scatter Piot. 9 2 Introduction to Python Python and Anaconda Installation. Introduction to Japyref Production to data watariand and write VB Socriptive Statistics with R Working Wi		Code						ng with Pyth	on			P C			
Course Objectives The course aims at providing fundamenal knowledge and exposure to the concepts, theories and practice in field of python programming Course Outcomes Course Outcomes CO1 Understand the basics of R programming Course Outcomes CO3 Understand different method visualization. Course Outcomes CO4 To acquire the knowledge of python Contract Contract CO4 To acquire the knowledge of python Contract Contract Unif Title of the Unit Content of Unit Contact Introduction to Statistics an R Descriptive vs. Inferential statistics, Inferential Statistics, Drawing fariables Sample Statistics and Sampling Distribution. R overview and R, Installing, R Studie, Descriptive on Unity package, Introduction to Hyp package, Introduction to Hyp package, Introduction to Hyp package, Introduction to Hyp package, Introduction to Indy package, Data visualization in With R. Working with Base R Graphics (Scatter Plot, by Withes and Naconda Installation. Introduction to Jupyter Notebook Python activation and Naconda Installation. Introduction to Jupyter Notebook Python scripting basics. Numpy and Pandas . Numpy overvice - Creating and Accessing Numpy Arays, Introduction to good 9 1 Introduction to Python Filing and Indexing PMenaform and Installation. Introduction to Jupyter Notebook Python scripting basics. Numpy and Pandas . Numpy overvice - Creating and Accessing Numpy Arays, Introduction to good		•••				=	-				3 1	0 4			
Course Outcomes Course Outcomes Outcome Or Shape package, Introduction to Python architely Basics. Numpy and Panda's Shape Panda's Course Outcomes Pandas Patient statistics and Smaphic Statuse and Smaphics (Scatter Pilo, Course Outcomes) Outcomes Outcomes Outcomes Outcomes Data isstatistis and Sma					-			las and support	una ta tha aan	aanta thaaniaa	nd prostical	in the			
Course Outcomes Content to Kenvice Outcomes in Statistics wing Ampoints outcomes	Course	Objectiv	es				ientai knowieu	ige and expos	ure to the con	cepts, meones a	and practice	in the			
Col Understand different method visualization. Coll dears have to design and program. <i>Pythen</i> applications. Contact for learn have to design and program. <i>Pythen</i> applications. Contact for learn have to design and program. <i>Pythen</i> applications. Contact for learn have to design and program. <i>Pythen</i> applications. Contact for learn have to design and program. <i>Pythen</i> applications. Contact for learn have to design and program. <i>Pythen</i> applications. Contact for learn have to design and program. <i>Pythen</i> applications. Contact for the Unit Contact for learn have to design and program. <i>Pythen</i> applications. Note that the Unit Contact for learn have to design and program. <i>Pythen</i> spinse (Scatter Prot. et al. Installing R. Studio. Descriptive submits using and haveles. Contact for learn have to design and program. <i>Pythen</i> spinse (Scatter Prot. et al. Studies. Introduction to Python Python scripting basics. Narray and Pandas. Nathing data to data Python scripting basics. Narray and Pandas. Nathing Andas exponds are and any core of Descriptive stratistics using gamma, Pandas weaking with test data and date time - columns. Panda Indexing and selecting whit for the Panda-Pandas - good and type of Descriptic stratistics using gamma, Pandas Scatter Pithon scripting and Pandas. Pandas experisions and tapotts (Scatter Pithon Panda Pandas). Speci	-			r.		-	rse Outcome	S							
CO3 Understand different method visualization. Content of Uait Contact Method (sign and programming capability. Unit No. Title of the Unit Content of Unit Contact Ins. Introduction to Statistics an R Language Descriptive vs. Inferential statistics, Inferential Statistics, Controduction R overview and R, Installing R Studio, Descriptive Data analysis using R, Description of the in Data manipulation with R, Working with Base R, Graphics (Scription of the in Data visualization with R, Working with Base R, Graphics (Scription of Watson Studio) 9 1 Introduction to Python Python and Anaconda Installation, Introduction to Jupyter Nobeok Python and Anaconda Installation, Introduction to Jupyter Nobeok Python and Anaconda Installation, Introduction to Jupyter Nobeok 9 2 Python and Anaconda Installation, Introduction to Jupyter Nobeok Python scripting basics, Numpy and Pandas, Namay verice - Creating and Accessing Numpy Arrays, Introduction to Jupyter Nobeok Python scripting basics, Numpy and Pandas, Pandas Pandas 9 3 Visualization Tools in Python Filing and Indexing – Meaning and importance of filing, essential of good filing system Contalized and deternitized filing system. Meaning, need and types of indexing used in the business organization. 9 4 Advanced Visualization and Programming Using Python", Prentice Hall of India. 9 5 Project work Using Different datasets 9	CO1	Und	erstand the b	basics of R	programming										
CO3 Understand different method visualization. Content of Uait Contact Method (sign and programming capability. Unit No. Title of the Unit Content of Unit Contact Ins. Introduction to Statistics an R Language Descriptive vs. Inferential statistics, Inferential Statistics, Controduction R overview and R, Installing R Studio, Descriptive Data analysis using R, Description of the in Data manipulation with R, Working with Base R, Graphics (Scription of the in Data visualization with R, Working with Base R, Graphics (Scription of Watson Studio) 9 1 Introduction to Python Python and Anaconda Installation, Introduction to Jupyter Nobeok Python and Anaconda Installation, Introduction to Jupyter Nobeok Python and Anaconda Installation, Introduction to Jupyter Nobeok 9 2 Python and Anaconda Installation, Introduction to Jupyter Nobeok Python scripting basics, Numpy and Pandas, Namay verice - Creating and Accessing Numpy Arrays, Introduction to Jupyter Nobeok Python scripting basics, Numpy and Pandas, Pandas Pandas 9 3 Visualization Tools in Python Filing and Indexing – Meaning and importance of filing, essential of good filing system Contalized and deternitized filing system. Meaning, need and types of indexing used in the business organization. 9 4 Advanced Visualization and Programming Using Python", Prentice Hall of India. 9 5 Project work Using Different datasets 9	CO2	Тоа	cquire the k	nowledge o	f python										
COS Problem solving and programming capability. Contact of Unit Contact of Unit Contact of Unit No. Title of the Unit Content of Unit Contact of Unit Introduction to Statistics an R Language Descriptive vs Inferential statistics, Inferential Statistics, Controlution, R overview and R, Installing, R Studio, Descriptive Data analysis using R, Description of the in Data manipulation with R, Working with Base R Graphics (Scatter Plot, e. Data visualization with R, Working with Base R Graphics (Scatter Plot, e. Data visualization with R, Working with Base R Graphics (Scatter Plot, e. With geptor, Data visualization g Package, Introduction to Jupyter Notebook Python scripting basics, Numpy and Pandas, Numpy overview - Creating and Accessing Numpy Arrays, Introduction to Jupyter Notebook 9 2 Introduction to Data Python and Anaconda Installation, Introduction to Jupyter Notebook 9 3 Introduction to Data Filing and Indexing and importance of filing, essential of good filing system Cantralized and decuting cold in the basines organization. 9 4 Advanced Visualization Introduction to Computation and Programming Using Python", Prentice Hall 9 5 Project work Using Different datasets 9 5 Project work Using Different datasets 9 1.John V Guttag, "Introduction to Computation and Programming Using Python", Prentice Hall of India.		Und	erstand diffe	erent metho	d visualizatior										
Unit No. Title of the Unit Content of Unit Contact Hrs. Introduction to Statistics an R Language Descriptive vs Inferential statistics, Inferential Statistics, Drawing Variables Sample Statistics and Sampling Distribution, R overview and R, Installing, R Studio, Descriptive Data analysis wing R, Description of the Data manipulation with R Introduction to thyp (filter, select, arrange, ed data able, Introduction to to phype package, Introduction to Idyp package, p. Data visualization in Watson Studio, Adding data to data Watson Studio. 9 2 Introduction to Python Python and Anaconda Installation, Introduction to Jupyter Notebook Python scripting basics, Numpy and Pandas , Numpy overview - creating and Accessing Numpy Arrays, Introduction to papyter Notebook Python and date time columns, Pandas Indexing and selecting data,Pandas-grouphy Merge/Join datasets. 9 3 Introduction to Data Visualization Tools in Python Filing and Indexing. Meaning and importance of filing, essential of good filing system Centralized and decentralized filing system. Meaning, need and types of indexing used in the business organization. 9 4 Advanced Visualization 1 9 5 Project work Using Different datasets 9 5 Project work Using Different datasets 9 2. Introduction to Computation and Programming Using Python", Prentice Hall of India. 2 1 2. R. Nageswar							18.								
No. Introduction to Statistics an R Language Descriptive vs Inferential statistics, Inferential Statistics, Drawing ariables Sample Statistics and Sampling Distribution, R overview and R, Installing R Studio, Descriptive Data analysis using R, Description of in Data manipulation with R, Working with Base R Graphics (Scatter Plot, g with ggplot, Data visualization in Watson Studio, Adding data to data Visualization with R, Working with Base R Graphics (Scatter Plot, g with ggplot, Data visualization in Watson Studio, Adding data to data Visualization to Python Python and Anaconda Installation, Introduction to Jupy rotew or Creating and Accessing Numpy Arrays, Introduction to pandas, Pandas with text data and date time columns, Pandas Indexing and selecting data,Pandas, roumpy and Pandas, Numpy overive - Creating and Accessing Numpy Arrays, Introduction to pandas, Pandas with text data and date time columns, Pandas Indexing and selecting data,Pandas, roumpy Arrays, Introduction to pandas, Pandas with text data and date time columns, Pandas Indexing and selecting data,Pandas, roumpy Arrays, Introduction to pandas, Pandas with text data and date time columns, Pandas Indexing and selecting data,Pandas, roumpy Arrays, Introduction to pandas, Pandas indexing are Indexing ared in the business organization. 9 4 Advanced Visualization Introduction to Matplotlib, Read a CSV and Generate a line plot with matplotlib Basic plots using matplotlib. Area plot, Bar Chart, Histogram, Specialized Visualization Tools sing Matplotlib 9 5 Project work Using Different datasets 9 1 John V Guttag, "Introduction to Computation and Programming Using Python", Prentice Hall of India. 2 1		Prot	olem solving	and progra	mming capabi	ility.					0 1 1				
Language kriables Sample Statistics and Sampling Distribution, a Neverview and R, Installing R, Studio, Descriptive Data analysis using R, Description of ta in Data manipulation with R Introduction to tody reflex, eslect, arrange, data table, Introduction to tody repkage, solution to use the select and the select and the Romburg Package. Introduction to Python Python and Anaconda Installation, Introduction to Jupyter Notebook Python scripting basics, Numpy and Pandas , Numpy overview - Creating and Accessing Numpy Arrays. Introduction to pandas. Pandas working with text data and date time columns, Pandas Indexing and selecting data.Pandas roupby Merg/Diol datasets. 9 3 Visualization Tools in Python Filing and Indexing - Meaning and Importance of filing, essential of good filing system. Centralized and decentralized filing system. Meaning, need and types of indexing used in the business organization. 9 4 Advanced Visualization Introduction to Matplotib. Read a CSV and Generate a line plot with matplotib. Basic plots using matplotib. Area plot. Bar Chart, Histogram, Specialized Visualization Tools using Matplotib 9 5 Project work Using Different datasets 9 4 Advanced Python Programming'. Gramming Using Python'', Prentice Hall of India. 2. 8 5 Project work Using Different datasets 9 8 Wesley J. Chun, "Core			Title of th	ne Unit			Сог	ntent of Unit				Mapp ed CO			
b. Data visualization with R. Working with Base R Graphics (Scatter Pfot, g with egglot. Data visualization in Watson Studio, Adding data to data Vatson Studio. 2 Introduction to Python Python and Anaconda Installation, Introduction to Jupyter Notebook Python scripting basics. Numpy and Pandas, Pandas working with text data and date time columns, Pandas Indexing and selecting data.Pandas.groupby Merge/Oni datasets. 9 3 Introduction to Data Filing and IndexingMeaning and importance of filing, essential of good filing system. Meaning, need and types of indexing used in the business organization. 9 4 Advanced Visualization Introduction to Matplotlib , Read a CSV and Generate a line plot with matplotlib Basic plots using matplotlib. Area plot, Bar Chart, Histogram, Specialized Visualization Tools using Matplotlib 9 5 Project work Using Different datasets 9 1.John V Guttag. "Introduction to Computation and Programming Using Python", Prentice Hall of India. 2 9 3. Wesley J. Chun. "Core Python Programming", dreamtech 3 9 3. Wesley J. Chun. "Core Python Programming", CENGAGE Publication 9 9 7 Poid PO2 PO3 PO4 PO5 PO6 PO7 PS01 PS02 PS03 2 1 2 1 2 1 2 2 2 </td <td>1</td> <td></td> <td></td> <td>atistics an</td> <td>Variable R, Inst ta in D</td> <td>es Sample St alling R Stud ata manipulat</td> <td>atistics and S dio, Descriptivi ion with R Int</td> <td>Sampling Dis we Data analy roduction to o</td> <td>tribution, R of sis using R, I lplyr (filter, so</td> <td>Description of elect, arrange,</td> <td>9</td> <td>CO1</td>	1			atistics an	Variable R, Inst ta in D	es Sample St alling R Stud ata manipulat	atistics and S dio, Descriptivi ion with R Int	Sampling Dis we Data analy roduction to o	tribution, R of sis using R, I lplyr (filter, so	Description of elect, arrange,	9	CO1			
2 Python scripting basics, Numpy and Pandas, Numpy overview - Creating and Accessing Numpy Arrays, Introduction to pandas,Pandas read and write ex Descriptive statistics using pandas. Pandas working with text data and date time columns, Pandas Indexing and selecting data,Pandas: groupby Merge/Join datasetts. 9 3 Introduction to Data Visualization Tools in Python Filing and Indexing - Meaning and importance of filing, essential of good filing system Centralized and decentralized filing system. Meaning, need and types of indexing used in the business organization. 9 4 Advanced Visualization Introduction to Matplotlib , Read a CSV and Generate a line plot with matplotlib Basic plots using matplotlib, Area plot, Bar Chart, Histogram, Specialized Visualized Visualization Tools using Matplotlib 9 5 Project work Using Different datasets 9 1.John V Guttag, "Introduction to Computation and Programming Using Python", Prentice Hall of India. . . 2. R. Nageswara Rao, "Core Python Programming", dreamtech . . . 3. Wesley J. Chun. "Core Python Programming", CENGAGE Publication . . . 7 Course Articulation Matrix: (Mapping of COs with POs and PSOs) . . 9 Course Articulation Matrix: (Mapping of COs with POs and PSOs) . . 1.John V Guttag. "Introduction to Computation and Programs", CENGAGE Publication . <t< td=""><td></td><td colspan="14"> b. Data visualization with R, Working with Base R Graphics (Scatter Plot, g with ggplot, Data visualization in Watson Studio, Adding data to data Watson Studio Introduction to Python Python and Anaconda Installation, Introduction to Jupyter Notebook Python scripting basics, Numpy and Pandas , Numpy overview - Creating and Accessing Numpy Arrays, Introduction to pandas,Pandas </td></t<>		 b. Data visualization with R, Working with Base R Graphics (Scatter Plot, g with ggplot, Data visualization in Watson Studio, Adding data to data Watson Studio Introduction to Python Python and Anaconda Installation, Introduction to Jupyter Notebook Python scripting basics, Numpy and Pandas , Numpy overview - Creating and Accessing Numpy Arrays, Introduction to pandas,Pandas 													
3 Introduction to Data Visualization Tools in Python Filing and Indexing – Meaning and importance of filing, essential of good filing system Centralized and decentralized filing system. Meaning, need and types of indexing used in the business organization. 9 4 Advanced Visualization Introduction to Matplotib. Read a CSV and Generate a line plot with matplotib Basic plots using matplotib, Area plot, Bar Chart, Histogram, Specialized Visualization Tools using Matplotib 9 5 Project work Using Different datasets 9 1.John V Guttag. "Introduction to Computation and Programming Using Python", Prentice Hall of India. . 2. R. Nageswara Rao, "Core Python Programming", dreamtech . 3. Wesley J. Chun. "Core Python Programming - Second Edition", Prentice Hall . 4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley . 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication . PO PO2 PO3 PO4 PO5 PO6 PO7 PS01 PS02 PS03 CO1 2 1 - 2 1 2 2 2 CO2 1 2 1 - 2 1 2 2 CO3	2				Pytho Creati read a with	on scripting ling and Acce and write csv text data and	basics, Nump ssing Numpy Descriptive s date time c	y and Pand Arrays, Intro statistics usin olumns, Pand	las , Numpy oduction to pa g pandas, Par	overview - andas,Pandas idas working	9	CO2			
4 matplotib Basic plots using matplotlib, Area plot, Bar Chart, Histogram, Specialized Visualization Tools using Matplotlib 9 5 Project work Using Different datasets 9 Reference Books: 1.John V Guttag. "Introduction to Computation and Programming Using Python", Prentice Hall of India. 9 2. R. Nageswara Rao, "Core Python Programming", dreamtech 3. Wesley J. Chun. "Core Python Programming - Second Edition", Prentice Hall 4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley 5 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication 9 PO- PO1 PO2 PO3 PO4 PO5 PO6 PO7 PS01 PS02 PS03 CO1 2 1 - 2 1 2 2 CO2 1 2 1 2 2 2 1 2 CO3 2 - 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	3				n Filing	g and Indexing system Centr	g – Meaning and dec	nd importance centralized fil	ing system. N		9	CO3			
S Image: S S S Reference Books: 1.John V Guttag. "Introduction to Computation and Programming Using Python", Prentice Hall of India. 2. R. Nageswara Rao, "Core Python Programming", dreamtech 3. Wesley J. Chun. "Core Python Programming - Second Edition", Prentice Hall 4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication Course Articulation Matrix: (Mapping of COs with POs and PSOs) PO- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PS01 PS02 PS03 COUS 2 1 - 2 1 2 2 CO2 1 - 2 1 2 CO2 1 - 2 1 2 CO1 2 1 - 2 1 2 Course Articulation Matrix: (Mapping of COs with POs and PSOs) PO5 PO6 PO7 PSO1 PSO2 PSO3	4	Advan	ced Visualiz	zation	matpl	otlib Basic p	lots using ma	tplotlib, Area	plot, Bar Cha		9	CO4			
1.John V Guttag. "Introduction to Computation and Programming Using Python", Prentice Hall of India. 2. R. Nageswara Rao, "Core Python Programming", dreamtech 3. Wesley J. Chun. "Core Python Programming - Second Edition", Prentice Hall 4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication Course Articulation Matrix: (Mapping of COs with POs and PSOs) PO- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PSO1 PSO2 PSO3 CO1 2 1 - 2 1 2 2 CO2 1 2 1 - 2 1 2 CO2 1 2 1 - 2 1 2 2 CO3 2 - 1 2 2 1 2 1 2 2 1 2 2 1 2 1 2 1 2 2 1 2 2 2 1 2 2 2 1 2 2 1 2	5	Projec	t work		Usin	g Different da	tasets				9	CO5			
2. R. Nageswara Rao, "Core Python Programming", dreamtech 3. Wesley J. Chun. "Core Python Programming - Second Edition", Prentice Hall 4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication Course Articulation Matrix: (Mapping of COs with POs and PSOs) PO- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PSO1 PSO2 PSO3 CO1 2 1 - 2 1 2 2 CO2 1 2 1 - 2 1 2 CO2 1 2 1 - 1 2 2 CO3 2 - 1 2 2 1 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO4 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Referen	ice Books	5:												
3. Wesley J. Chun. "Core Python Programming - Second Edition", Prentice Hall 4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication PO- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PSO1 PSO2 PSO3 CO1 2 1 - 2 1 2 2 CO2 1 2 1 - 2 1 2 CO2 1 2 1 - 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO4 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1.John	V Guttag	. "Introducti	on to Comp	utation and Pr	ogramming U	Jsing Python",	Prentice Hall	l of India.						
4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication PO- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PSO1 PSO2 PSO3 CO1 2 1 - 2 1 1 - 2 1 2 CO2 1 2 1 - 2 1 2 2 2 CO3 2 - 1 2 2 2 1 2 2 CO3 2 - 1 2 2 1 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO4 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	2. R. Na	ageswara	Rao, "Core	Python Pro	gramming", d	reamtech									
4. Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, "Data Structures and Algorithmsin Pyhon", Wiley 5. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication PO- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PSO1 PSO2 PSO3 CO1 2 1 - 2 1 1 - 2 1 2 CO2 1 2 1 - 2 1 2 2 2 CO3 2 - 1 2 2 2 1 2 2 CO3 2 - 1 2 2 1 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO4 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	3. Wesl	ev I. Chu	n. "Core Pv	thon Progra	mming - Seco	nd Edition". I	Prentice Hall								
S. Kenneth A. Lambert, "Fundamentals of Python – First Programs", CENGAGE Publication Course Articulation Matrix: (Mapping of COs with POs and PSOs) PO- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PSO1 PSO2 PSO3 CO1 2 1 - 2 1 2 2 1 2 CO2 1 2 1 - 2 1 2 2 CO3 2 - 1 2 2 1 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO3 2 - 1 2 2 1 2 1 2 CO4 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2		•	•	0	0			unas and Alas	with main Druh	an" Wilay					
Course Articulation Matrix: (Mapping of COs with POs and PSOs) Po- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PSO1 PSO2 PSO3 CO 2 1 - 2 1 1 - 2 1 2 CO1 2 1 - 2 1 1 - 2 1 2 CO2 1 2 1 - 2 1 - 2 1 2 2 CO2 1 2 1 - 2 1 2 2 2 CO3 2 - 1 2 2 1 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2								-	munnsin Pyn	on , whey					
Po- PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PS01 PS02 PS03 CO 2 1 - 2 1 1 - 2 1 2 CO1 2 1 - 2 1 - 2 1 2 CO2 1 2 1 - 2 1 2 2 CO3 2 - 1 2 2 1 2 2 CO4 2 1 2 1 2 1 2 1 2 CO5 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1	5. Kenr	neth A. La	ambert, "Fur	ndamentals	-	-									
PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PS01 PS02 PS03 CO1 2 1 - 2 1 1 - 2 1 2 CO2 1 2 1 - 2 1 2 2 CO3 2 - 1 2 2 1 2 2 CO3 2 - 1 2 2 1 2 1 2 CO4 2 1 1 2 1 1 2 1 1	DO				Course Arti	culation Mat	rix: (Mappin	g of COs wit	h POs and PS	SOs)					
CO1 2 1 - 2 1 1 - 2 1 2 CO2 1 2 1 - 2 1 - 1 2 2 CO3 2 - 1 2 2 1 - 1 2 2 CO3 2 - 1 2 2 2 1 - 1 2 2 CO4 2 1 2 1 2 2 1 2 1 2 CO5 2 1 1 2 1 2 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 <	PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4			
CO2 1 2 1 - 2 1 - 1 2 2 1 2 2 1 2 1 2 2 1 2	1	2	1	_	2	1	1	_	2	1	2	2			
CO3 2 - 1 2 2 2 1 2 1 2 CO4 2 1 2 1 2 2 1 2 1 2 CO4 2 1 2 1 2 2 1 2 1 2 CO5 2 1 1 2 1 2 1 2 2 1 Image: Substantial Correlation; 3- Substantial Correlation	-														
CO4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 <th1< th=""> 1 <th1< th=""> <th1< th=""></th1<></th1<></th1<>												1			
CO5 2 1 1 2 1 2 1 2 2 1 I- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation												2			
1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation												2			
	CO5	2	1			-					1	2			
			Name &					, <u>-</u> - 5003tailt							



	2020 21				c5ru	I UIII	ver s	ity, i	LUCK	110 11						
from Sessior	a: 2020-21															
ode	BM215	С				AND M	ANAGI	EMENT	ACCOL	JNTING			L	Т	Р	С
	П				III								3	1	0	4
isite	NONE	C	o-requisi	te	NON	E										
bjectives	The prir	nary obje	ective of th	e course	e is to co	mprehend	the bas	ic conce	epts and 1	methods	of costing	g, cost all	ocatic	on and	l control.	
-	-	-			-			letailed	classifica	ation of c	ost.					
To acquire	better und	erstandin	g of cost a	nalysis a	and budg	etary con	trol.									
To provide	conceptua	l knowle	dge of ma	rginal co	osting, its	s applicati	on and t	echniqu	ies.							
To acquire	in-depth u	nderstand	ling of sta	ndard co	osting an	d variance	analysi	s.								
To describe	e managem	ent accou	unting in t	he light	of funds	flow and	cash flo	w stater	ment.							
Title o	f the Unit					Conter	t of Un	it				Cont	act H	rs.	Μ	apped CO
Introduction	n	di of pe ar ur	sadvantag f total cost eriod costs nd sunk navoidable	es, cost , classifi s, direct costs; cost;	control a ication o and ind controlla imputed	and cost r f cost: fix irect costs able and and hy	eduction ed, varia s, releva uncon pothetic	n; eleme able, ser ant, irrel trollable	ents of co mi variab levant co e cost:	ost, comp ole, produ osts; shut avoidabl	oonents ict, and -down, ie and		10			CO1
Cost Sheet	Cost Sheet & Budget Analysis of Cost – preparation of Cost Sheet, Estimate, Tender and Quotation; Budgetary Control: meaning, classification, types of budget. 10															CO2
Marginal C	osting	Μ	larginal C	osting:	Margina	1 Cost vs	. Marg	inal Co	sting; co	ontributio	n, P/V		8			CO3
													7			CO4
	2	ing Fu	unds flow	stateme	nt. Cash	flow state	ment (a	s per AS	\$3)				10			CO5
Books:																
ari S. N; Prin	ciples of N	lanageme	ent accoun	ting, Su	ltan Cha	nd and So	ns, Late	st editio	on.							
Lishore, Cost	and Manag	gement A	ccounting	, Taxma	n's, Late	est edition										
rewal's, Cost	& Manag	ement Ad	counting,	S. Char	nd, Lates	t edition.										
	-		-				se. Lates	st editio	n.							
	-	-			-	-										
ing Source:					1	6										
	-															
www.udemy.	.com/topic	<u>/cost-acc</u>	<u>counting/</u>													
onlinecourse	s.swayami	2.ac.in/ce	ec21_cm0	1/previe	<u>w</u>											
www.coursei	ca.org/leau	n/financ	ial-accou	nting-po	olimi											
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSC	02	PSO3	PSO4
	2	1	1	-	2	2						3	3		2	3
1	2		1			2		L				3	3		2	3
1	2	1	1	-	2	2							5			
		1	1	-	2	2						3	3		2	3
1	2											-	-			
	isite bjectives To give in- To acquire To acquire To acquire To acquire To describe Title o Introductio Introductio Cost Sheet Marginal C Standard cc variance an Manageme Books: ri S. N; Princ ishore, Cost rewal's, Cost hKhatri, Acc Jain; Manage ing Source: mlinecourse www.courset	II isite NONE bjectives The print To give in-depth know To acquire better und To acquire in-depth know To acquire in-depth u To acquire in-depth u To describe managem Title of the Unit Introduction Cost Sheet & Budget Marginal Costing Standard costing & variance analysis Management account Books: rri S. N; Principles of N ishore, Cost and Managrewal's, Cost & Management Accounting for Jain; Management Accounting for Jain; Management Accounting for Jain; Management Accounting for minecourses.nptel.ac. www.udemy.com/topic minecourses.swayam www.coursera.org/lean	BM215 C II S isite NONE C bjectives The primary obje To give in-depth knowledge of To acquire better understandin To provide conceptual knowled of To acquire in-depth understandin To acquire in-depth understandin To describe management accord Introduction In Introduction In In Op Cost Sheet & Budget A Q Marginal Costing M Management accounting Fri Books: Si rri S. N; Principles of Management Accounting, fri ishore, Cost and Management Accounting, for Manage Jain; Management Accounting for Manage Jain; Management Accounting, for Manage minecourses.nptel.ac.in/noc19 vww.udemy.com/topic/cost-accounting www.coursera.org/learn/finance	BM215 Course II Semester isite NONE Co-requisit bjectives The primary objective of th To give in-depth knowledge of cost and of To acquire better understanding of cost and of To acquire better understanding of cost and To acquire in-depth understanding of stat To describe management accounting in th Introduction Introduction Introduction Introduction Introduction Marginal Costing Marginal Costing Marginal Costing & Standard co Variance analysis Standard co Management accounting Funds flow Books: Funds flow rewal's, Cost & Management Accounting, Tata McGring Source: malagement, Accounting, Tata McGring Source: minecourses.nptel.ac.in/noc19 mg38/pr mg38/pr minecourses.swayam2.ac.in/cec21 cm0 www.coursera.org/learn/financial-accourting/	Dde BM215 Course II Semester isite NONE Co-requisite bjectives The primary objective of the course To give in-depth knowledge of cost and cost accord To acquire better understanding of cost analysis is To provide conceptual knowledge of marginal cost To acquire in-depth understanding of standard cost To describe management accounting in the light Introduction: cost is disadvantages, cost of total cost, classifi period costs, direct and sunk costs; unavoidable cost; opportunity cost; ex Cost Sheet & Budget Analysis of Cost Quotation; Budgeta Marginal Costing Marginal Costing an variance analysis Management accounting Funds flow statement Books: Standard costing, Su ishore, Cost and Management Accounting, Su ishore, Cost and Management Accounting, Su ishore, Cost and Management Accounting, Taxma rewal's, Cost & Management Accounting, Tata McGraw Hill Ing Source: maininecourses.swayam2.ac.in/cec21_cm01/preview	BM215 Course COST II Semester III isite NONE Co-requisite NONI bjectives The primary objective of the course is to co To give in-depth knowledge of cost and cost accounting, To acquire better understanding of cost analysis and budg To provide conceptual knowledge of marginal costing, its To acquire in-depth understanding of standard costing and To describe management accounting in the light of funds Title of the Unit Introduction: cost and cost disadvantages, cost control a of total cost, classification o period cost, direct and ind and sunk costs; controlla unavoidable cost; imputed opportunity cost; expired ann and sunk costs; controlla unavoidable cost; metted opportunity costing: Marginal Costing Marginal Costing Marginal Costing: Marginal ratio; break even analysis, m Standard costing & standard costing and varian variance analysis Standard costing and Varian variance analysis Management accounting Funds flow statement. Cash Books: rtis. N; Principles of Management Accounting, S. Chand, Lates hKhatri, Accounting for Management Accounting, S. Chand, Lates hKhatri, Accounting for Management, McGraw Hill publishi ain; Management Accounting, Tata McGraw Hill publishi minecourses.swayam2.ac.in/ccc21_cm01/preview	BM215 Course COST AND M. II Semester III isite NONE Co-requisite NONE bjectives The primary objective of the course is to comprehend Course To give in-depth knowledge of cost and cost accounting, its element To acquire better understanding of cost analysis and budgetary con To provide conceptual knowledge of marginal costing, its applicati To acquire in-depth understanding of standard costing and variance To describe management accounting in the light of funds flow and Introduction: cost and cost accountind isadvantages, cost control and cost ro of total cost, classification of cost: fix, period costs, direct and indirect costs and sunk costs; controllable and unavoidable cost; imputed and hy opportunity cost; expired and unexpired costs, direct and indirect costs and such costing: Marginal Costing Marginal Costing Marginal Costing and Variance analysis Marginal Costing & standard costing and Variance analysis Standard costing and Variance analysis Management accounting Funds flow statement. Cash flow state Books: ratio, ibnore, Cost & Management Accounting, S. Chand, Latest edition. nkhatri, Accounting for Management Accounting, S. Chand, Latest edition. nkhatri, Accounting for Management, McGraw Hill publishing house, ing Source: inlinecourses.nptel.ac.in/noc19	BM215 Course COST AND MANAGE II Semester III isite NONE Co-requisite NONE bjectives The primary objective of the course is to comprehend the bas Course Out To give in-depth knowledge of cost and cost accounting, its elements and cost acquire better understanding of cost analysis and budgetary control. To acquire in-depth understanding of standard costing and variance analysis To describe management accounting in the light of funds flow and cash flo Title of the Unit Content of Un Introduction Introduction: cost and cost accounting, sco disadvantages, cost control and cost reduction of total cost, classification of cost: fixed, varia period costs, direct and indirect costs, releva and sunk costs; controllable and uncon unavoidable cost; imputed and hypothetic opportunity cost; expired and unexpired cost. Cost Sheet & Budget Analysis of Cost – preparation of Cost Quotation; Budgetary Control: meaning, class Marginal Costing Marginal costing and Variance analysis; mater Management accounting Funds flow statement. Cash flow statement (a Books: Standard costing for Management accounting, Sultan Chand and Sons, Late dishore, Cost and Management Accounting, Taxman's, Latest edition. rewal's, Cost & Management Accounting, Taxman's, Latest edition. hkhatri, Accounting for	BM215 Course COST AND MANAGEMENT II Semester III isite NONE Co-requisite NONE bjectives The primary objective of the course is to comprehend the basic concernation of provide conceptual knowledge of cost and cost accounting, its elements and detailed To acquire better understanding of cost analysis and budgetary control. To provide conceptual knowledge of marginal costing, its application and technique To acquire in-depth understanding of standard costing and variance analysis. To describe management accounting in the light of funds flow and cash flow stated Title of the Unit Content of Unit Introduction: cost and cost accounting, scope, obj disadvantages, cost control and cost reduction; eleme of total cost, classification of cost: fixed, variable, se period cost, controllable and uncontrollable unavoidable cost; imputed and hypothetical cos opportunity cost; expired and unexpired cost. Cost Sheet & Budget Analysis of Cost – preparation of Cost Sheet, Quotation; Budgetary Control: meaning, classification Marginal Costing Marginal Costing: Marginal Cost vs. Marginal Cost vs. Marginal Cost radies, break even analysis, margin of Safety, applicati sihore, Cost and Management Accounting, Suttan Chand and Sons, Latest editio ishore, Cost and Management Accounting, Taxman's, Latest edition. Management Accounting, Tata McGraw Hill publishing house, Latest edition. Management Accounting, Tata McGraw Hill publi	Dife BM215 Course COSTAND MANAGEMENT ACCOUNT II Semester III isite NONE Co-requisite NONE bjectives The primary objective of the course is to comprehend the basic concepts and integration of the course counting is the course of the course of the course courol and	bite BM215 Course COST AND MANAGEMENT ACCOUNTING II Semester III isite NONE Co-requisite NONE bjectives The primary objective of the course is to comprehend the basic concepts and methods of a course better understanding of cost analysis and budgetary control. To give in-depth knowledge of cost analysis and budgetary control. To provide conceptual knowledge of marginal costing, its application and techniques. To acquire in-depth understanding of standard costing and variance analysis. To describe management accounting in the light of funds flow and cash flow statement. Title of the Unit Content of Unit Introduction: cost and cost accounting, scope, objectives, advantag disadvantages, cost control and cost reduction; elements of cost, com of total cost, classification of cost: fixed, variable, seni variable, produ period cost; direct and indirect costs; relevant, irrelevant costs; shut and sunk costs; controllable and uncontrollable cost; avoidabl unavoidable cost; imputed and hypothetical cost; out of pocke opportunity cost; expired and unexpired cost. Cost Sheet & Budget Analysis of Cost – preparation of Cost Sheet, Estimate, Tend Quotation; Budgetary Cortrol: meaning, classification of marginal costing; arian costing and Variance analysis; material variances, labour vari ration cash gas and and costing and Variance analysis: material variances, labour vari ration cash flow statement (as per AS3) Books: Tin s N; Principles of Management Accounting, Taxman	International and the sense of the	Infer Gourse COST AND MANAGEMENT ACCOUNTING II Semester III isite NONE Co-requisite NONE bjectives The primary objective of the course is to comprehend the basic concepts and methods of costing, cost all Course Outcomes Course Outcomes To give in-depth knowledge of cost and cost accounting, its elements and detailed classification of cost. To acquire better understanding of cost analysis and budgetary control. To acquire in-depth understanding of standard costing and variance analysis. To describe management accounting in the light of funds flow and cash flow statement. Title of the Unit Content of Unit Cont Introduction: cost and cost: fixed and soften of cost; especial variance analysis. To describe management accounting in the light of funds flow and cash flow statement. Introduction Introduction: cost and cost accounting, scope, objectives, advantages and period cost; direct and indirect costs; relevant, irrelevant isolbe, semi variable, mountariable, semi variable, mountariable, semi variable, product, and period cost;	Int Course COUST AND MARAGEMENT ACCOUNTING L If Semester III 3 isite NONE Co-requisite NONE 3 bjectives The primary objective of the course is to comprehend the basic concepts and methods of costing, cost allocatic Course Outcomes 3 To give in-depth knowledge of cost analysis and budgetary control. To acquire hetter understanding of cost analysis and budgetary control. To acquire in-depth understanding of standard costing and variance analysis. To acquire in-depth understanding of standard costing and variance analysis. To describe management accounting in the light of funds flow and cash flow statement. Contact H Title of the Unit Contact of cost accounting, scope, objectives, advantages and disadvantages, cost control and cost requetion; elements of cost, components of total cost, classification of cost. fixed, variable, semi variable, product, and period costs, climetid and hypothetical cost; cut of pocket cost, opportunity cost; expired and uncontrollable cost; avoidable and unavoidable cost, imputed and hypothetical cost; cut of pocket cost, opportunity cost; expired and uncaptical cost; questification of PV ratios: Budgetary Control: meaning, classification of pocket cost, cost, analysis of cost – preparation of Cost Sheet, Estimate, Tender and Quotation; Budgetary Control: meaning, classification of marginal costing. 7 Marginal Costing Marginal Costing and Variance analysis; margin of safety, application of marginal cos	bde BM215 Course COSI AND MANAGEMENT ACCOUNTING 1 1 isite NONE 3 1 isite NONE Co-requisite NONE 3 1 isite NONE Co-requisite NONE 1 3 1 isite NONE Co-requisite NONE 1 3 1 isite NONE Co-requisite NONE 1 1 3 1 isite NONE Co-requisite NONE 1	bde EM215 Course COST AND MANAGEMENT ACCOUNTING L <thl< th=""> L L <thl< th=""></thl<></thl<>

Sign & Seal of HoD



	ve fron	n Sessi				(T) ()	0.13	<u></u>		A 1	1.5	<u> </u>	10	<u> </u>			-			
Course	e Code			LN201 2 nd			of the	Cours			ced Pro	ofessiona	al Com	munic	ation		L	T	P	0
Year	• • • •			_		Seme				$\frac{3rd}{5}$	1. 11	C					5	1	0	6
Pre-Re Course	-			10+2	•1		equisite				ed in U		•	. 1	11					
Course		uves		the prog	gram, stu	idents o	levelop	and in	itegrat sual co	e know ommur	ledge, on the second se	creativity	, ethical	l pract	ice, an	commun d skills. St nd intercu	tudents a	also exa	mine a	ind
<u>co1</u>	Ctud	anta m	:11 ha	intro da	und hou	n to in		Dead			comes	Irill the		Vnou	the r	arious tec	hniana	to im		thain
CO1	lister	ning sk	ills. T	hey wi		to app	oly vari	ous te	chniqu							en speedy				
CO2	writi		be ab													importan arn how t				
CO3	Stud how	ents wi to perf	ill dev form a													n idea of S low about				
CO4	The		ive of tion, t													nd what basic and				
CO5	The	last un	it of 1													given top n skills.	ics to d	emons	rate	
Unit No.																		Conta t Hrs.		lapp I CO
1															es of	12	С	0-1		
2	Writ	Writing SkillC V & Resume writing, Job Application letter/Covering letter, Precis making.: Principles of condensation, Rules for writing précis Paragraph writing, Development of the paragraph,12CO-2																		
3	Grou	Title of the unit: Group Discussion and Interview SkillsGroup Discussion: Meaning & Significance, How to prepare & practice for GD, Common Pitfalls in a GD, Seminars: Definition & Conventions of a Seminar, Interview: Definition, Skills & Techniques, Preparation, Negative Interview Factors & Interview Tips12CO-3																		
4	Pres	entatio	n Skill									ocale, O e dynam		ng co	ntents.	Audio-V	isual	12	С	0-4
5	Proje	ect Wo	rk	I	Project V	Vork												12	C	0-5
Refere	nce Bo	oks:																		
2- Efj 3- The 4- The	fective (e Art of e Scienc air, Johr	Commi Comm se of E <u>f</u> a : Effe	<i>unicati</i> unicat fective ctive (on Skil ing, Au e Comn Commu	<i>ls: How</i> uthor: The <i>nunicatio</i> unication	<i>to Enj</i> hich N <i>on</i> : <i>I</i> n. Lond	oy A hat Han Author: lon : Pa le to su	uthor: h, Ori Ian T n Mac ccess I	Keith ginall uhovs millar Lower	Colen y publi ky, Or 1 Ltd., Hutt,	han, Or shed: 1 ginally Newzea	3 Augus publishe	publish at 2013 ed: 20 I	ed: 10 Decen blicati	Octol iber 20	017 992.		as a sec	ond	
6- Ga 7- Lal langua 8- Sho e-Lea 1- <u>htt</u>	litha Ra age. Ca erman J trning S tp://psystem	makris mbridg : Esser Source dilab.u	hnan. ge Uni tial w : niver.l	Busine vesity 1 riting s	ss Comi 1, 1965. kills for v.ua/reso	interm	ediate s	studen /softsk	ts, oxf ills/ch	ford : c	oxford U	Universit	y Press	., 199	4. IJSI	U	inglish a			
6- Ga 7- Lal langua 8- Sha e-Lea 1- <u>htt</u> 2- <u>htt</u>	litha Ra age. Ca erman J trning S tp://psystem	makris mbridg : Esser Source dilab.u	hnan. ge Uni tial w : niver.l	Busine vesity 1 riting s	ss Comi 1, 1965. kills for v.ua/reso	interm	ediate s ucheba	studen /softsk 06/261 culatic	ts, oxf <u>ills/ch</u> <u>10758</u>	Ford : c apter% 3/Grou	205.pc p-Discu	Jniversit	y Press	., 199 nes.pd	4. IJSI <u>f</u>	U				
6- Ga 7- Lal langua 8- Sho e-Lea 1- <u>htt</u>	litha Ra age. Ca erman J tring t tp://psy- tps://dri PO1	makris mbridg : Esser Source dilab.u nevpyil	hnan. ge Unitial w iniver.l chjv3.o PO 3	Busine vesity 1 riting s charkov cloudfr PO4	ss Comi , 1965. kills for v.ua/resc ont.net/s	interm ources/ sites/77 Cou PO 6	ediate s ucheba //2019/(rse Arti PO7	studen /softsk D6/261 culatio PO 8	ts, oxf <u>ills/ch</u> <u>10758</u>	Ford : c apter% 3/Grou	oxford U 6205.pc p-Discu	Universit	y Press	., 199 <u>les.pd</u> s and l	4. IJSI <u>f</u>	PSO4	PSO	5 P	SO6	PS O7
6- Ga 7- Lal langu: 8- Sho e-Lea 1- <u>htt</u> 2- <u>htt</u> PO- PSO	litha Ra age. Ca erman J rning s tp://psy. tps://dr PO1 3	makris mbridg : Esser Source dilab.u ncvpyik PO 2 3	hnan. ge Uni ttial w : niver.l chjv3.a PO 3 3	Busine vesity 1 riting s charkov cloudfr PO4 2	ss Comi , 1965. kills for v.ua/resc ont.net/s PO5 3	interm burces/ sites/77 Cou PO 6 3	ediate s ucheba /2019/(rse Arti PO7 3	studen /softsk D6/261 culatic PO 8 3	ts, oxf ills/ch 10758 on Mat PO	Ford : contractions for the second se	205.pc p-Discu apping PO1	Jniversit	echniqu vith PO	., 199 <u>les.pd</u> s and l	4. IJSI <u>f</u> P SO s) PSO	PSO4 3	PSO 2	5 P	3	07 3
6- Ga 7- Lal langua 8- She e-Lea 1- <u>htt</u> 2- <u>htt</u> PO- PSO CO	litha Ra age. Ca erman J rrning S tp://psyd tps://drr PO1 3 3	makris mbridg : Esser Source dilab.u hcvpyil PO 2 3 3 3	hnan. te Uni tial w i niver.l chjv3.c PO 3 3 3	Busine vesity I riting s charkov cloudfr PO4 2 3	ss Comi I, 1965. kills for v.ua/resc ont.net/s PO5 3 3	interm ources/ sites/77 Cou PO 6 3 2	ediate s ucheba (/2019/(rse Arti PO7 3 2	studen /softsk 06/261 culatic PO 8 3 3 3	ts, oxf ills/ch 10758 on Mat PO	Ford : contractions for the second se	205.pc p-Discu apping PO1	Jniversit	echniqu vith PO	., 199 <u>les.pd</u> s and l	4. IJSI <u>f</u> P SO s) PSO	PSO4 3 2	PSO 2 3	5 P	3 2	07 3 3
6- Ga 7- Lal langua 8- Sho e-Lea 1- <u>htt</u> 2- <u>htt</u> PO- PSO CO CO1	litha Ra age. Ca erman J rning S tp://psy- tps://drr PO1 3 3 3 3	makris mbridg : Esser Source dilab.u hcvpyik PO 2 3 3 2	hnan. te Univer.let iniver.let i	Busine vesity 1 riting s charkov cloudfr PO4 2 3 2	ss Comi 1, 1965. kills for v.ua/reso ont.net/s PO5 3 3 2	interm purces/ sites/77 Cou PO 6 3 2 3	ediate s ucheba. /2019/(rse Arti PO7 3 2 3	studen /softsk D6/261 culatic PO 8 3 3 3 3	ts, oxf ills/ch 10758 on Mat PO	Ford : contractions for the second se	205.pc p-Discu apping PO1	Jniversit	echniqu vith PO	., 199 <u>les.pd</u> s and l	4. IJSI <u>f</u> P SO s) PSO	PSO4 3 2 3	PSO 2 3 3	5 P	3 2 3	07 3 3 2
6- Ga 7- Lal langua 8- Sho e-Lea 1- htt 2- htt PO- PSO CO CO CO1	litha Ra age. Ca erman J rrning S tp://psyd tps://drr PO1 3 3	makris mbridg : Esser Source dilab.u hcvpyil PO 2 3 3 3	hnan. te Uni tial w i niver.l chjv3.c PO 3 3 3	Busine vesity I riting s charkov cloudfr PO4 2 3	ss Comi I, 1965. kills for v.ua/resc ont.net/s PO5 3 3	interm ources/ sites/77 Cou PO 6 3 2	ediate s ucheba (/2019/(rse Arti PO7 3 2	studen /softsk 06/261 culatic PO 8 3 3 3	ts, oxf ills/ch 10758 on Mat PO	Ford : contractions for the second se	205.pc p-Discu apping PO1	Jniversit	echniqu vith PO	., 199 <u>les.pd</u> s and l	4. IJSI <u>f</u> P SO s) PSO	PSO4 3 2	PSO 2 3	5 P	3 2	07 3 3



Dr. (H.M. ARIF NADVI)

Sign & Seal of HoD- Languages

Name & Sign of Program Coordinator

Dr. (Aareena Nazneen)

Name & Sign

Assistant Professor



Effective from	om Sessio	on: 2022-23		8		iversity, i									
Course Cod	e		BM216	Title of the	e Course	Basics of Produc	tion and Operat	tions Manageme		Т	P C				
Year			Second	Semester		Third			3	1	0 4				
Pre-Requisi			None To develop	Co-requisi		None	taabmigssess	ano du oti			at.				
Course Obj	ectives		10 develop	Dasic understa	nuing of cond	cepts, theories and	i techniques of j	production proce	ess and operation	manageme	πι.				
	1				Cou	urse Outcomes									
CO1	Under	stand the role of	operations in b	oth manufactur	ing and servi	ce organizations a	nd the significa	nce of operatior	is strategy in the	overall bus	iness.				
CO2	Identif	y the goals and c	bjectives of inv	ventory manage	ement and un	iderstand the vario	ous selective inv	ventory control to	echniques and its	s application	18.				
CO3		different quality quality.	tools and the t	ools of statistic	cal process c	ontrol for analyzi	ng a process in	terms of quality	y and also devel	op an unde	rstanding of si				
CO4		stand the importaudy the problems				whole supply chain	n in globalized	operations and	learn the tools re	elating to fa	cilities locatio				
CO5	Under	stand the latest co	oncept of techn	ology manager	ment and its r	elevance to Produ	ction and Opera	ations managem	ent.						
Unit No.	1	fitle of the Unit				Content o	f Unit			Conta ct Hrs.	Mapped Co				
1	Introd	uction	qualita	tive Technique	s in Forecast					7	CO1				
2		ng Line & ory Management				g system, four wa is, Inventory mod		ls along with app	plication:	10	CO2				
3	& Stat	Quality Management TQM, quality specification, design quality, quality at Source, zero defects, cost of quality, continuous improvement, bench-marking, Poka – Yokes, quality awards; statistical quality control: Control acceptance sampling, AQL & LTPD, P-Chart, X & R Chart. Facility Location and Issue in facility location, plant location methods, factor rating, centre of gravity methods, analytic Delphi method paint location methods, factor rating, centre of gravity methods, analytic													
4		Facility Location and Layout Issue in facility location, plant location methods, factor rating, centre of gravity methods, analytic Delphi method, four basic lay out formats, assembly line balancing, splitting tasks, problems in facility layout. 10 CO Latest Concepts of POM Latest concepts: A brief introduction to JIT, TQM and ISO quality 10 CO													
5	Latest	Concepts of PC	Product Life	8	CO5										
Reference B	ooks:														
Aswathappa	K., Shrid	haraBhat K., Pro	duction and op	erations Manag	gement, Hima	alaya Publishing ,	Latest edition.								
Haleem A- I	roduction	n and Operations	Management (Galgotia books	, 2004)										
BediKanishl	a - Produ	ction & Operatio	ons Managemer	nt (Oxford Univ	versity Press,	Latest edition.)									
Adam JrEve	retl E. R .	J – Production an	d Operations N	lanagement (Pr	rentice-Hall,	2000,Latest editio	n)								
R.V.Badi& 1	N.V. Bad	- Production &	Operation Man	agement (Vrind	da Publicatio	ns Latest edition.)									
e-Learnin	g Source	:													
Production	and Ope	rations Managen	ent- UDEMY												
Production	and Ope	ration Manageme	ent, Prof. Rajat	Agrawal, IIT R	oorkee - SW	AYAM									
Operations	Manage	ment, Mahadevar	n B, IITM Bang	galore- SWAY	AM										
Project and	l Product	ion Management	Prof. Arun Ka	nda, IIT Delhi-	NPTEL										
D.O.				Course Art	ticulation M	atrix: (Mapping	of COs with P	Os and PSOs)							
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4				
CO1	1	1	1	1	1	1	-	2	2	1	1				
CO2	2	2	1	1	2	-	1	1	1	1	1				
CO3	1	2	2	1	-	1	-	1	1	-	1				
CO4	2	1	1	2	1	-	2	1	-	-	1				
CO5	1	1	1	1	1	1	1	1	1	1	2				

Name & Sign of Program Coordinator	Sign & Seal of HoD



Effective from Session: 2020)-21						
Course Code BM 217 Title of the Course Seminar Year II Semester IV Pre-Requisite NONE Co-requisite NONE This paper is intended to be focused on developing the communica The specific topics of general and topical interest are to be allocate	Seminar	L	Т	Р	С		
Year	II	Semester	IV	0	0	4	2
Pre-Requisite	NONE	Co-requisite	NONE				
Course Objectives	The specific the entire gr	topics of general and oup. The class presen		nake a	n presei	ntation	

	Course Outcomes											
CO1												
CO2												
CO3												
CO4												
CO5												

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
Referen	ce Books:			
e-Lear	rning Source:			

						Cou	ırse Ar	ticulat	ion Ma	trix: (M	apping	of COs w	ith POs a	and PSOs	5)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO																		
CO1																		
CO2																		
CO3																		
CO4																		
CO5																		

Name & Sign of Program Coordinator	Sign & Seal of HoD



Department of Commerce and Business Management Study and Evaluation Scheme

Program: BBA

Semester: 4

S.No.				o								(c				a		o	Type of Paper		Period Per week/S m	Se		Eva Sch	luation eme		Sub. Total	Credit					A	ttribut	es		
	Course code			L	Т	Р	СТ	ТА	Total	ESE	Total		Total Credits	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Sustainable Development Goal																	
1		Essentials of Research Methodology	Core	3	1	0	40	20	60	40	100	3:1:0	4	V	V	N			N		4,8 &9																	
2	BM 219	Principles of Financial Management	Core	3	1	0	40	20	60	40	100	3:1:0	4	V	V	V					4,8,9&1 7																	
3	BM 220	Consumer Behavior & Decisions	Core	3	1	0	40	20	60	40	100	3:1:0	4		V			V			12																	
4		Commercial Law	Core	3	1	0	40	20	60	40	100	3:1:0	4	V	V	V	V				4,5 &9																	
5	BM 222	Quality Management	Core	3	1	0	40	20	60	40	100	3:1:0	4	V	V	V			V		4,6&12																	
6		Foundation in Predictive Analytics using IBM SPSS	Core	3	0	1	40	20	60	40	100	3:0:1	4	V		V					4																	
	Т	18	5	1	240	120	360	240	600		24																											



Effective from Session: 2015-10	5												
Course Code	BM 218	Title of the Course	Essentials of Research Methodology	L	Т	Р	С						
Year	Second	Semester	Fourth	3	1	0	4						
Pre-Requisite	None	one Co-requisite None											
Course Objectives	5	he objective of this paper is to understand the various aspects of research, identify the various tools available to a researcher. Research an help the marketing manager in decision making.											

	Course Outcomes
CO1	To describe the meaning and role of Research Methodology.
CO2	To formulate the research problem and understanding the major research designs.
CO3	To demonstrate the understanding of attitude, its measurement and its scaling.
CO4	To understand various sampling techniques and develop understanding of data collection and fieldwork, and determine data sources and learn the art of
	designing a questionnaire.
CO5	To enable students to analyze data using various techniques and to learn how to communicate the results and follow up.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO		
1	Introduction of Research	Define research, aims and objectives. Formulating the research problem, choice of research design, types of research design, and sources of experimental errors.	10	1		
2	Sample and Sampling Design	Some basic terms, advantages and limitation of sampling, sampling process, types of sampling, types of sample designs, testing of hypothesis, determining the sample size, sampling distribution of the mean.	10	2		
3	Scaling Techniques	The concept of attitude, difficulty of attitude measurement, types of scales, criteria for good test, use of scaling in marketing research.	5	3		
4	Data Collection: Methods	Secondary data, sources of secondary data, primary data, collection of primary data observation, Questionnaire, designing of questionnaire, interviewing. Data Processing and Tabulation: Editing coding, problems in editing, tabulation.	10	4		
5	Data Analysis & Report Writing	a Analysis & Measurement of central tendency, dispersion, Tests of significance based on t, f and z distribution and chi-square test. Cross tabulation. Interpretation and Report Writing: Interpretation types of research				
Reference	e Books:					
Beri, G.C	C.; Marketing Research, Tat	a McGraw Hill, New Delhi, India, 2003				
Gupta, S.	L., Marketing Research, E	xcel Books, India, 2004.				

Tull& Hawkins; Marketing Research, Prentice Hall of India, New Delhi, India, 2000

Kothari, C.R. Research Methodology - Methods and Techniques , New Age: New Delhi, 2004

e-Learning Source:

https://onlinecourses.nptel.ac.in/noc22_ge08/preview

https://www.udemy.com/course/research-methods/

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
			-								-						
3	2	2	1	1	3	-	-	-	-	-	-	3	3	1	3	-	-
3	3	1	1	1	3	-	-	-	-	-	-	3	3	1	3	-	-
3	3	1	2	1	3	-	-	-	-	-	-	3	3	2	3	-	-
3	3	2	3	1	3	-	-	-	-	-	-	3	3	2	3	-	-
3	3	3	3	1	1	-	-	-	-	-	-	3	3	2	3	-	-
	3 3 3 3	3 2 3 3 3 3 3 3 3 3	3 2 2 3 3 1 3 3 1 3 3 2	3 2 2 1 3 3 1 1 3 3 1 2 3 3 2 3	3 2 2 1 3 3 1 1 3 3 1 2 3 3 2 3	3 2 2 1 1 3 3 3 1 1 1 3 3 3 1 2 1 3 3 3 1 2 1 3 3 3 2 3 1 3	PO1 PO2 PO3 PO4 PO5 PO6 PO7 3 2 2 1 1 3 - 3 3 1 1 1 3 - 3 3 1 2 1 3 - 3 3 1 2 1 3 - 3 3 1 2 1 3 - 3 3 2 3 1 3 -	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 3 2 2 1 1 3 - - 3 3 1 1 1 3 - - 3 3 1 2 1 3 - - 3 3 1 2 1 3 - - 3 3 2 3 1 3 - - 3 3 2 3 1 3 - - 3 3 2 3 1 3 - - 3 3 2 3 1 3 - -	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 3 2 2 1 1 3 - - - 3 3 1 1 1 3 - - - 3 3 1 2 1 3 - - - 3 3 1 2 1 3 - - - 3 3 1 2 1 3 - - - 3 3 2 3 1 3 - - - 3 3 2 3 1 3 - - - 3 3 2 3 1 3 - - -	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 3 2 2 1 1 3 - - - - - 3 3 1 1 1 3 - - - - - 3 3 1 2 1 3 - - - - 3 3 1 2 1 3 - - - - 3 3 2 3 1 3 - - - - 3 3 2 3 1 3 - - - - 3 3 2 3 1 3 - - - - 2 2 3 1 1 1 - - - -	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 3 2 2 1 1 3 - <th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 3 2 2 1 1 3 - <</th> <th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 3 2 2 1 1 3 - - - - - 3 3 1 1 1 3 - - - - 3 3 1 1 1 3 - - - - - 3 3 1 1 1 3 - - - - - 3 3 1 1 1 3 - - - - - 3 3 3 1 1 3 - - - - - 3 3 3 1 2 1 3 - - - - - 3 3 3 1 3 - - - - 3 3 3 3 2 <t< th=""><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 3 2 2 1 1 3 - - - - - 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 3 3 1 2 1 3 - - - - - 3 3 3 3 3 3 - - - - - 3 3 3 3 3 3 3 3 3 3 3</th><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 3 2 2 1 1 3 - - - - - 3 3 1 1 3 - - - - 3 3 1 1 3 - - - - - 3 3 1 3 3 1 1 3 - - - - - - 3 3 1 3 3 1 2 1 3 - - - - - 3 3 1 3 2 - - - - - 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</th><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04 3 2 2 1 1 3 - - - - 3 3 1 3 3 - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - 3 3 2 3 3 3 3 3<</th><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04 PS05 3 2 2 1 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 2 3 3 3 2 3</th></t<></th>	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 3 2 2 1 1 3 - <	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 3 2 2 1 1 3 - - - - - 3 3 1 1 1 3 - - - - 3 3 1 1 1 3 - - - - - 3 3 1 1 1 3 - - - - - 3 3 1 1 1 3 - - - - - 3 3 3 1 1 3 - - - - - 3 3 3 1 2 1 3 - - - - - 3 3 3 1 3 - - - - 3 3 3 3 2 <t< th=""><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 3 2 2 1 1 3 - - - - - 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 3 3 1 2 1 3 - - - - - 3 3 3 3 3 3 - - - - - 3 3 3 3 3 3 3 3 3 3 3</th><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 3 2 2 1 1 3 - - - - - 3 3 1 1 3 - - - - 3 3 1 1 3 - - - - - 3 3 1 3 3 1 1 3 - - - - - - 3 3 1 3 3 1 2 1 3 - - - - - 3 3 1 3 2 - - - - - 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</th><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04 3 2 2 1 1 3 - - - - 3 3 1 3 3 - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - 3 3 2 3 3 3 3 3<</th><th>PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04 PS05 3 2 2 1 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 2 3 3 3 2 3</th></t<>	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 3 2 2 1 1 3 - - - - - 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 1 1 1 3 - - - - - 3 3 3 3 3 3 3 1 2 1 3 - - - - - 3 3 3 3 3 3 - - - - - 3 3 3 3 3 3 3 3 3 3 3	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 3 2 2 1 1 3 - - - - - 3 3 1 1 3 - - - - 3 3 1 1 3 - - - - - 3 3 1 3 3 1 1 3 - - - - - - 3 3 1 3 3 1 2 1 3 - - - - - 3 3 1 3 2 - - - - - 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04 3 2 2 1 1 3 - - - - 3 3 1 3 3 - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - - 3 3 1 3 3 - - - - - 3 3 2 3 3 3 3 3<	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04 PS05 3 2 2 1 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 2 3 3 3 2 3

Name & Sign of Program Coordinator	Sign & Seal of HoD



Effective from Session: 2020-21 **Course Code** BM 219 Title of the Course PRINCIPLES OF FINANCIAL MANAGEMENT Р L Т C 2 4 3 1 0 4 Year Semester **Pre-Requisite** NONE **Co-requisite** NONE The primary objective of the course is to familiarize the students with the basic accounting principles and techniques of preparing and presenting the accounts for user of accounting information. **Course Objectives**

	Course Outcomes									
CO1	To comprehend the meaning, scope ad objective of financial management and to evaluate various source of finance.									
CO2	To provides basic understanding of valuation of securities and impact of time on potential earning capacity of money.									
CO3	To describe the concept, classification and determinant of cost of capital and capital structure of a company.									
CO4	To explain alternative sources of finance and investment decisions and their feasibility.									
CO5	To pronounce the determinants of divided decision in relation to various models of dividend policy									

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO					
1	Financial Management	Meaning, Scope, objectives of Financial Management –Profit Vs. Wealth Maximization, Liquidity Vs Profitability, Methods of Financial Management .Sources of Financing: Classification of Sources of Finance, Security Financing, Loan Financing, Project Financing, Loan Syndication- Book Building, New Financial Institutions and Instruments (in brief)viz. Depositories, Factoring, Venture Capital, Credit Rating, Commercial Paper, Certificate of Deposit, Stock Invest, Global Depository Receipts.	10	CO 1					
2	Concept in Valuation	Time Value of Money, Valuation Concepts, Valuation of Securities viz., Debentures, Preference shares and Equity Shares.	8	CO 2					
3	Structure Theories: NI approach , NOI approach , MM approach, Traditional Approach Leverages Concept, Types of leverages and their significance.								
4	Capital Budgeting	Concept, Importance and Appraisal Methods: Payback period, Post payback period, net present value, internal rate of return, Accounting rate of return	10	CO 4					
5	Dividend Policy	Dividend Policy, Relevance and Irrelevance Concepts of Dividend, Corporate Dividend Practices in India.	7	CO 5					
Referen	ce Books:								
Maheshw	vari S.N., "Financial Manag	gement", Principles and Practice, 9th Edition, Sultan Chand&Sons,							
Khan M.	Y, Jain P.K., "Financial Ma	anagement", , 3 rd Edition, Tata McGraw Hill,							
Pandey I	. M., "Financial Manageme	ent", Revised Ed., Vikas Publishing House							
Anil Kun	nar Dhagat , Financial Mar	nagement. Dreamtech Press, 2011							
Stanley E	Block, Geoffrey Hirt and B	artley Danielsen, Foundations of Financial Management, McGraw Hill, 2017							
e-Lear	rning Source:								
Finan	cial Management By C	A AmitaBissa Jai NarainVyas University, Jodhpur, <u>https://youtu.be/DY33eIdwEmU</u>							
Funda	amentals of Financial N	Aanagement, By Dr.RupaliSheth SavitribaiPhule Pune University, Pune, https://youtu.t	e/zmiYXxL	xM2Y					

Financial Management For Managers. By Prof. Anil K. Sharma | IIT Roorkee<u>https://youtu.be/TgF2XvjquUU</u>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5
CO																
CO1	2	1	2	2	1	3							1	2	1	1
CO2	2	2	2	2	1	2							1	2	2	3
CO3	1	3	2	1	2	2							1	1	1	2
CO4	3	1	1	1	1	2							3	1	2	2
CO5	3	2	1	2	1	2							2	3	1	1
					1 1								<u> </u>	I	l	I

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name	& Sign	of Program	Coordinator
		or og	0001 0111000

Sign & Seal of HoD



Effective from Session: 2021-22	2											
Course Code	BM220	Title of the Course	CONSUMERBEHAVIOUR&DECISIONS	L	Т	Р	С					
Year	2	Semester	4	3	1	0	4					
Pre-Requisite	None	Co-requisite	None									
Course Objectives		TofamiliarizeandacquaintthestudentwithanoverviewoftheIndianconsumerbehaviourpracticesandpreferencesTheaimis toprovideknowledgeaboutchangingtrendsinthefieldofconsumerbehaviour.										

	Course Outcomes											
CO1	To know about the concept and the importance of consumer behavior. It will help them to know the different models											
	Associated with the consumers.											
CO2	To understand the fundamentals of the individuals the consumer. It will help them to know the influence of the motivation and personality.											
CO3	Todescribe the individual consumer knowledge. It will help them to understand the concepts of consumer learning and personality of the consumers											
CO4	Tolearn abouttheconceptoftheconsumerbehaviorintermsofattitudeandgroup.											
CO5	Toprovideinsightsintotheinfluenceofsocialandculturalsettingoverconsumerin thepresentbusinessworld.											

Unit No.		Ti	tle of tl	he Unit	t					(Conter	t of Unit				-	ontact Hrs.	Mapped CO
1			ction t ner Be		r	Consu consu	umer merres	as an earch.	indiv	idual,	consu	imer de	cision n	naking n	viour, Roles nodels, ba	asic	10	1
2	C	Consum	ner as a	n Indiv	idual	of ne		erarchy d							pes &syste/ Freudian,1		10	2
3			ational		vior								differentia ve learning		old. Learni	ng:	10	3
4			ner Be Influei		ır &	cultur	al setti		ence G						ner in social groups,soci		7	4
5			ner in al Setti		&	Cultu innov		culture:D	efiniti	on&infl	uence.	Introducti	iontoopini	onleadersł	nip&consun	ner	8	5
Referen	Reference Books:																	
Consu	ıme	r Beha	viour:	Schiffn	nan & I	Kanuk,	Pearso	nEducatio	on7/e).	2012								
Consu	ıme	r Beha	viour:	concep	t & app	lication	n Loud	on,David	Bitta,E	ElbertEc	lition),	2010						
Consu	ıme	rBehav	viour:H	awkins	,Best,C	Coney,2	2016											
Consu	ıme	rBehav	viour:H	loyerD	Wyne,N	Maclair	sJ,DEI	Borah,sena	agelea	rning.20	010							
e-Lea	rni	ng Sou	irce:	-	-				-									
https:	://w	ww.yo	utube.	com/w	atch?v	=ZfTZ	bQ7fF	dg										
https: nep/3			udocu.	com/in	/docun	nent/ne	ew-hor	zon-insti	tute-o	f-techn	ology-	and-man	agement/	principles	-of-market	ing/mod	ule-2-fu	ll-notes-
https:	://w	ww.yo	utube.	com/w	atch?v	=7Afo	x-66Ftl	ζ.										
-						=Y_m												
									lation	Matrix:	(Mapp	oing of CO	s with POs	and PSOs)			
PO- PSO CO	P 0 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO1 0	PO 11	PO12	PSO1	PSO2	PSO3	PSO4	PSO	6 PSO7
C01	3	1	2	-	1	1	2						2	2	1	2		
CO2	2	2	3	1	_	3	1						2	_	_	1		
CO3	1	-	2	3	1	1	-						1	2	1	2		
CO4	2	3	1-	2	2	-	2						1-	-	2	3		
CO5	-	1		3	2	2	1							1	1	-		
			i	i		ow Co	rolatio	v 2. Mode	rate C	orrelati	n. 3. 6	Substantia	Correlati	n				•

Name & Sign of Program Coordinator	Sign & Seal of HoD



Effective from Session: 2020-21											
Course Code	BM221	Title of the Course	Commercial Law	L	Т	Р	С				
Year	Π	Semester	IV	3	1	0	4				
Pre-Requisite	None Co-requisite None										
Course Objectives To understand basic legal terms and concepts used in law pertaining to a business. To comprehend the applicability of legal principles to situations in the business world by referring to a few decided leading cases.											

	Course Outcomes
CO1	To provide conceptual knowledge about various legal aspects of negotiable instruments.
CO2	To acquire a basic understanding of the law of insurance including life and general insurance
CO3	To provide comprehensive knowledge of various provisions regarding the formation of a company in India
CO4	To describe various provisions regarding the issue of shares and general management of a company in India
CO5	To demonstrate various provisions relating to meeting and winding up of a company under the companies act 2013.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO		
1	Negotiable Instruments Act 1881	Definition, Features, and Kinds of Negotiable Instruments, Bills of Exchange, Promissory Note &Cheques. Endorsement, Presentment, and Discharge of Parties, Liabilities of Banker and Dishonor	8	CO1		
2	Law of Insurance	Definition and elements of an insurance contract, premium, and reinsurance. Basic idea about life, fire, and marine insurance. Law of carriage: Basic features of law relating to land, air, and sea carriers	10	CO2		
3	3 Companies Act 2013 - I Meaning and Essential Features of Company, Types of Companies, and Formation of company Memorandum and Articles of Association, Prospectus Company in Art Share Capital, Types of shares, Allotment, and Transfer and Purchase by a company of its					
4	Companies Act 2103 –II	10	CO4			
5	Meetings	Statutory Meetings, Basic knowledge of various types of resolutions. Winding up by court and voluntary winding up.	7	CO5		
Referen	ce Books:					
Ratan	Nolakha, Company Law	and Practice, Vikas Publishing House, Noida, 2015				
J. Seth	i& N. Bhatia, Elements	of Banking and Insurance, PHI Learning Pvt. Ltd., New Delhi, 2012				
C. B. M	Mamoria, S. Mamoria&	P. SubbaRao, Dynamics of Industrial Relations in India, Himalaya Publishing House, 2022				
S.S. G	ulshan, G.K. Kapoor, B	usiness Law Including Company Law, New Age Publication, 2022.				
Shukla	a, M.C. Mercantile Law,	S. Chand, New Delhi, 2017.				
e-Lear	rning Source:					
https:/	//www.classcentral.com	n/course/youtube-company-law-91428/classroom				
https:/	//onlinecourses.swayan	n2.ac.in/cec23_lw05/preview_				

https://onlinecourses.swayam2.ac.in/cec23_lw05/preview

			Course An	ticulation	Matrix: (N	lapping of	COs with I	POs and PSC)s)		
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
C01	2	1	1	2	2	-	1	2	1	2	2
CO2	2	-	1	2	2	1	3	2	1	2	1
CO3	2	-	1	3	1	-	3	3	2	1	2
CO4	2	-	1	3	2	-	2	3	2	2	2
CO5	1	1	1	1	1	-	3	3	2	2	2

Name & Sign of Program Coordinator	Sign & Seal of HoD



Fffact	ivo f	rom C	ocion					Inte	0	• /									
Cours		rom Se	ession:		BM222		Title	ftha	'ourse	OU	LITY	MANAG	EMENT			т	Т	Р	
Year	eco	ue			<u>3</u> M222	,	Semes		Course	IV	JLIII .	MANAU	LIVIEIN I			L 3	<u>T</u>	P 0	<u>C</u>
		aita			NONE					NON	JE					3	1	U	4
Pre-R	equi	site				. <u>,</u>	Co-re	-					1 1/	C (1)	1.			1	1 .11
Com															lity manager s. The Cours				
Cours	eOr	ojectivo	es										ict and sei		s. The Cours	se also m	akes stu	dents i	earn
				i i	арргоас	mes foi	mple	mentin	g and n		e Outcor		ict and ser	vices.					
<u>CO1</u>	Т	Zvoluot	a tha m	ringinla	a of au	olity m	000000	ont on	d to av				oon ha or	mliad with	nin quality m		ont		
CO1 CO2												and fram		phea with	ini quanty n	lanagenn	ent.		
CO2 CO3														avelonmen	its, and to de	avice and	evaluat	e quali	tv
COS				n plans		ic issue	/s iii qu	antym	anagen	iiciit, iit	iuuing c	untent 188	ues and u	velopmen	its, and to ut		i c valuat	c quan	ty.
CO4						e quali	tv impr	oveme	nt cycl	e and to	select a	nd use an	propriate t	ools and te	echniques fo	or contro	lling, im	proving	g and
		neasuri				quan	.yp.	0.01110	iii e j ei	e une vo	sereet a	ia ase app	si opriato t	cois und t	eeninques re		g,	p10,111	5
CO5					and th	e phase	es of a	Ouality	systen	n Certifi	cation p	rocess.							
Unit	-					e price	00 01 4	Quanty	ojoten							C	ontact	Mar	oped
No.		Title	of the	Unit						Co	ontent o	f Unit					Hrs.	C	
1100		_			Defi	nitions	– OM	framey	vork, b	enefits.	awarene	ess and of	ostacles.	Duality – v	vision, missi				0
			ductio												inslating nee		10	~	~
1			uality												uality. Cost		10	CO	51
		Mar	ageme	ent		ty. 10						1		1	•				
	Τ		ciples a												i technique				
2		Philo	sophie	s of								erance de	sign, Con	cepts of	Quality circ	cle,	10	C(D2
2			uality		Japa	introduction, loss function, parameter and tolerance design, Concepts of Quality circle, Japanese 5S principles and 8D methodology										10		92	
		Mar	ageme	ent															
															f control cha				
		Statisti													neasuremen				
3			trol a			Six sigma concepts of process capability. Reliability concepts – definitions, reliability i											10	CO	D3
]	Process	s Capa	bility		series and parallel, product life characteristics curve. Total productive maintenance (TMP) Business process re- engineering (BPR).										P),			
		Tools and Quality functions development (QFD) – Benefits, Voice of customer, information																	
			niques			organization, House of quality (HOQ), building a HOQ, QFD process. Failure mode effe analysis (FMEA) – requirements of reliability, failure rate, FMEA stages, design, proce											~-	GO (~ .
4			uality														07 CC)4
			ageme							(statisti	ical) too	ols. Sever	n new ma	anagement	t tools. Ber	nch			
	_		-				1 POK						• •	1. 0	C				
5			ty Syst												performar		00	C	25
5			nizing									tion and r		anty cour	ncil, employ	yee	08		D5
			menta	uon	mvo	vemen	t, mouv	ation,	empow	erment,	Tecogin		ewalu.					I	
Refere	ence	Books	:																
Dale H	I. Be	sterfiel	d ,Tota	al Quali	ty Mar	nageme	nt (Old	Editio	n) 201	1									
Pearso	on Pu	blicatio	ons D.I	R. Kira	1 ,Tota	l Qualit	y Man	agemer	nt,2016										
						-	-	-			ses Pane	erback 20	03						
				Quality									~~						
	U					0						-							
Routle	edgel	Besterfi	eld Da	le H., 7	otal Q	uality N	Manage	ment (TQM)	by Pears	son .201	8							
		ng Sou	rce:																
e-Le	arni	0		com/w	atch?.	-5nM	WmU	81fT &,1	ict-DI	DiSalt	vyDoLU	Ilwnnyi	vq41yJZa	fOF ₇ MI					
		WWW WA	arave.						ist-f L	i joqi i	, Deut	- Uwully N	γq τ ⊥yJZ(AVELINI					
https	s://w					=aBN2	ZPhn(1.	0.			1.000					
https	s://w	ww.yo ww.yo	utube.	com/w	atch?v				culation	n Matrix	: (Mappi	ng of COs	with POs	and PSOs)					
http: http:	s://w s://w		utube.	com/w	atch?v			rse Arti	cunation										
http: http: PO-	s://w s://w P	ww.yo					Cou				DO11	DO12	DCO1	DEOD	DEC 2	DCO/	DCC	5 7	2504
http: http: PO- PSO	s://w s://w P O		utube. PO3	com/w PO4	PO5	PO6		rse Arti PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSC	05 I	PSO6
http: http: PO- PSO CO	s://w s://w P O 1	PO2	PO3		PO5		Cou				PO11	PO12				PSO4	PSC	05 I	PSO6
http: http: PO- PSO CO CO1	s://w s://w P O 1 2	PO2 2	PO3		PO5		Cou				PO11	PO12	2	PSO2	3	PSO4	PSC	05 H	2SO6
http: http: PO- PSO CO	s://w s://w P O 1	PO2	PO3		PO5		Cou				PO11	PO12				PSO4	PSC	05 H	PSO6
http: http: PO- PSO CO CO1	s://w s://w P O 1 2	PO2 2	PO3		PO5		Cou				PO11	PO12	2	1	3	PSO4	PSC	05 I	2SO6
http: http: PO- PSO CO CO CO CO CO 2 CO 2	s://w s://w P O 1 2 2 1	PO2 2 3 3	PO3 2 3 1		PO5 3 2 4		Cou				PO11	PO12	2 3 3	1 1 2	3 3 4	PSO4	PSC	05 H	2806
http: http: PO- PSO CO CO1 CO1 CO2 CO3	s://w s://w P O 1 2	PO2 2 3	PO3 2 3		PO5 3 2		Cou				PO11	PO12	2 3	1	3 3	PSO4	PSC 2	05 I	2806

Name & Sign of Program Coordinator Sign & Seal of HoD



Effective from Session: 2021-22												
Course Code	BM278 Title of the Course Foundation in Predictive Analytics using IBM SPSS L T P											
Year	ear Second Semester Fourth					0	4					
Pre-Requisite	None	Co-requisite	None									
Course Objectives	The course aims at providing fundamental knowledge and exposure to the concepts, theories and practice in the field of											

	Course Outcomes								
CO1	To provide an overview of an exciting field of Predictive Analytics.								
CO2	Review and explore data to look at data distributions and to identify data problems, including missing values.								
CO3	To enable students to have skills that will help them to solve complex real-world problems in decision support.								
CO4	Understand the Watson studio.								
CO5	Understand the data.								

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO		
1	Introduction Of Analytics & Data Mining	Introduction Of Business Analytics With Real Time Examples, Predictive Analytics: Transforming Data Into Future Insights, Analytics Trends: Past, Present & Future, Towards A Predictive Enterprise. Introduction To Data Preparation, Process Of Data Mining -CRISP-DM, Use Case Study On Data Mining Project, File Format For Analysis, Working On Nodes And Streams Using IBM SPSS Modeler.	9	CO1		
2	Global Node, Transforming Continuous Fields, Binning Fields, Working With Sequence Data, Exporting Data Files- Introduction, Using A Data File Or Streams In Modeling, Types Of Exported Files, Exporting Flat Files, Exporting To Databases.					
3	Predictive Modeling Using Ibm Spss ModelerPreparing Data For Modeling- Cleaning Data, Balancing Data, Numeric Data Transformations, Binning Data Values, Data Partitioning, Anomaly Detection, Feature Selection For Models.					
4	Advanced Data Preparation With Ibm Spss Modeler	Functions To Enrich Data, Method To Transform Data, Cross-Record Functions, Sampling, Partitioning And Sampling Data, Improving Efficiency.	9	Co4		
5	Predictive Analytics With Ibm Watson Studio	Ibm Watson Studio, Watson Studio Components, Data Preparation, Watson Machine Learning, Data Refinery, Watson Studio Neural Network Modeler, Ibm Watson Studio Jobs, Use Case With Autoai, Hands On Real Case Studies Using Ibm Spss Modeler & Ibm Watson.	9	Co5		
Referen	ce Books:					
Predictiv	ve Analytics: The Power	to Predict Who Will Click, Buy, Lie, or Die.				
Predictiv	ve Analytics Mesmerizing	g & fascinating by ERIC SIEGEL				
IBM Co	urseware					
e-Lear	ning Source:					
https://	/www.ibm.com/docs/en/s	pss-modeler/18.2.1?topic=spss-modeler-tutorial				
https://	/developer.ibm.com/comp	oonents/spss-modeler/tutorials/				

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)										
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2	1	-	2	1	1	-	2	1	2	2
CO2	1	2	1	-	2	1	-	1	2	2	1
CO3	2	-	1	2	2	2	1	2	1	2	2
CO4	2	1	2	1	2	2	1	2	1	2	2
CO5	2	1	1	2	1	2	1	2	2	1	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name	&	Sign	of Program	Coordinator
------	---	------	------------	-------------

1