

Affiliated to

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH, LUCKNOW



**Evaluation Scheme & Syllabus** 

For

# Masters of Business Administration MBA

Second Year

(Effective from the Session: 2023-24)

# **Masters of Business Administration**

# MBA <u>EVALUATION SCHEME</u> SEMESTER-III

S.	Subject Code	Subject Name		Periods		Evaluation Scheme			End Semester			<b>a n</b>	
No				Т	Р	СТ	TA	Total	PS	TE	PE	Total	Credit
1	AMBA0301	Strategic Management		0	0	30	20	50	0	100	0	150	3
2	AMBA0302	Corporate Governance, Values & Ethics 3		0	0	30	20	50	0	100	0	150	3
3		Specialization Group -1 Elective -1	3	1	0	30	20	50	0	100	0	150	4
4		Specialization Group -1 Elective- 2		1	0	30	20	50	0	100	0	150	4
5		Specialization Group -1 Elective- 3	3	1	0	30	20	50	0	100	0	150	4
6		Specialization Group -2 Elective- 1	3	1	0	30	20	50	0	100	0	150	4
7		Specialization Group -2 Elective -2	3	1	0	30	20	50	0	100	0	150	4
8	AMBA0359	Summer Internship Project Report		0	4				50		100	150	2
			GI	RAN	DT	OTAI						1200	28

Abbreviation Used:-

L: Lecture, T: Tutorial, P: Practical, CT: Class Test, TA: Teacher Assessment, PS: Practical Sessional, TE: Theory End Semester Exam., PE: Practical End Semester Exam.

<b>S.No</b> 1 2 1 1	Subject CodeAMBA0301AMBA0302AMBA0359	Semester Con III SEM III SEM	Subject name re Subjects III Semester Strategic Management					
2	AMBA0302	III SEM	Strategic Management					
2	AMBA0302							
		III SEM						
1	AMBA0359		Corporate Governance, Values and Ethics					
1	AMBA0359	PROJECT						
1		III SEM	Summer Internship Project					
		E	LECTIVE SUBJECTS					
Finance Specialization								
1 A	1 AMBAFM0311 III SEM Security Analysis and Portfolio Management							
2 A	AMBAFM0312	III SEM	Corporate Tax Planning					
3 A	AMBAFM0313	III SEM	Indian Financial Market and Services					
			HR Specialization					
1 A	AMBAHR0311	III SEM	HR Analytics					
2 A	AMBAHR0312	III SEM	Employee Relations and Labor Law					
3 A	AMBAHR0313	III SEM	Performance and Reward Management					
		Μ	arketing Specialization					
1 A	AMBAMK0311	III SEM	Digital and Social Media Marketing					
2 A	AMBAMK0312	III SEM	Product and Brand Management					
3 A	AMBAMK0313	III SEM	Consumer Behavior and Advertising Management					
		BI (Busin	ess Intelligence) Specialization					
1 A	AMBABI0311	III SEM	ERP Modules					
2 A	AMBABI0312	III SEM	Machine Learning & Artificial Intelligence					
3 A	AMBABI0313	III SEM	Cloud and Big Data					
	<u> </u>	cs and Supp	bly Chain Management Specialisation					
	AMBALS0312	III SEM	Supply chain Planning and Demand Forecasting					
	AMBALS0311	III SEM	Procurement and Vendor Development					
3 4	AMBALS0313	III SEM	Warehouse and Distribution Management					
			ss Analytics Specialisation					
	AMBABA0312	III SEM	Introduction to Data Science					
	AMBABA0311	III SEM	Business Intelligence and Data Warehousing					
3 A	AMBABA0313	III SEM	Predictive Analytics					

#### **MBA III SEMESTER**

# **Masters of Business Administration**

# MBA <u>evaluation scheme</u> semester-iv

S.	Subject Code	Subject Name	Periods		E	valua	ntion Sch	eme	End Semester		<b>T</b> ( )	<b>a n</b>	
No	U	5	L	Т	P	СТ	TA	Total	PS	TE	PE	Total	Credit
1	AMBA0401	Project Management	3	0	0	30	20	50	0	100	0	150	3
2		Specialization Group -1 Elective -4	3	1	0	30	20	50	0	100	0	150	4
3		Specialization Group -1 Elective -5	3	1	0	30	20	50	0	100	0	150	4
4		Specialization Group -1 Elective -6	3	1	0	30	20	50	0	100	0	150	4
5		Specialization Group -2 Elective- 3	3	1	0	30	20	50	0	100	0	150	4
6		Specialization Group -2 Elective- 4	3	1	0	30	20	50	0	100	0	150	4
7	AMBA0459	Research Project Report*	0	0	6				100		100	200	3
		GRANI	о тот	AL								1100	26

\* Satisfactory completion of minimum 1 'Research Publication' in a listed Journal is mandatory for award of degree.

Abbreviation Used:-

L: Lecture, T: Tutorial, P: Practical, CT: Class Test, TA: Teacher Assessment, PS: Practical Sessional, TE: Theory End Semester Exam., PE: Practical End Semester Exam.

	MIBA IV SEMIESTEK							
S.No	Subject Code	Semester	Subject name					
			Core Subjects IV Semester					
1	AMBA0401	IV SEM	Project Management					
			PROJECT					
1	AMBA0459	IV SEM	Research Project Report					
			ELECTIVE SUBJECTS					
	Finance Specialization							
1	1 AMBAFM0411 IV SEM Financial Modeling							
2	AMBAFM0412	IV SEM	Working Capital Management					
3	AMBAFM0413	IV SEM	Financial Derivatives & Risk Management					
			HR Specialization					
1	AMBAHR0411	IV SEM	Talent Management					
2	AMBAHR0412	IV SEM	Strategic Human Resource Management					
3	3 AMBAHR0413 IV SEM Diversity of Work Force (IHRM)							
			Marketing Specialization					
1	AMBAMK0411	IV SEM	Sales & Retail Management					
2	AMBAMK0412	IV SEM	Marketing Analytics					
3	AMBAMK0413	IV SEM	Marketing of Services					
		BI (Bu	siness Intelligence) Specialization					
1	AMBABI0411	IV SEM	Cyber Security					
2	AMBABI0412	IV SEM	Data Base Technology					
3	AMBABI0413	IV SEM	System Analysis & Design					
	0		upply Chain Management Specialisation					
1	AMBALS0412	IV SEM	Information Systems in Logistics and Supply Chain					
2	AMBALS0411	IV SEM	Global Business Management for Logistics and Supply Chain					
3	AMBALS0413	IV SEM	Supply Chain Analytics					
			iness Analytics Specialisation					
1	AMBABA0412	IV SEM	Machine Learning and Artificial Intelligence					
2	AMBABA0411	IV SEM	Data Visualisation					
3	AMBABA0413	IV SEM	Social Media Analytics					

**MBA IV SEMESTER** 

		MBA SECONI	) YEAR			
Course (	Code	AMBA0301	L	Т	Р	Credit
Course 7	<b>Fitle</b>	Strategic Management	3	0	0	3
Course (	objectiv	e: Objective of this course is to:	Du	ration:	36 H	ours
1	-	understanding of the key concepts and	principles of strate	gic man	ageme	ent.
2	A set of strateg	f useful analytical skills, tools and technically.	niques for analyzin	g a com	pany	
3	-	vide a basic understanding of the nature ation and implementation processes.	and dynamics of t	ne strate	gy	
4	To end	ourage students to think critically and st	trategically.			
5	The al	ility to identify strategic issues and desi	gn appropriate cou	ses of a	ction.	
Pre-regi		Business Environment	8. appropriate com			
		Course Contents /	' Svllabus			
UNIT-I		Introduction to Business Policy and S	•			6 Hours
through '	Vision a dy rela	se of Business, Difference between Go ad Mission Statements, Core Competence ed to Goals and objectives of business	cies of Business, le	vels of s		0
		Environmental Scanning				8 Hours
Analyziı	ng	Company's External Env		nvironm		8 Hours appraisal
Analyzin Scenario (ETOP),J Analyzin Entry & I Analyzin sources of Framewor character comparat	ng plann PESTEI ng Indu Exit Bar ng Com of comp ork, com ristics of tive ana	Company's External Environment ing - Preparing an Environment analysis, EFE Matrix stry Environment: Industry Analysis riers, Strategic Group analysis. pany's Internal Environment: Resound etitive advantage, analyzing Company's petitive advantage, competitive parity & f core competencies, Distinctive com- ysis.	ental Threat a - Porter's Five Fource based view of s Resources and of competitive disact	nd C orces M f a firn Competi Ivantag	Opportu odel o n, mea tive P e, Core	appraisal anity Profile of competition, ming, types & osition, VRIO e Competence,
Analyzin Scenario (ETOP),J Analyzin Entry & I Analyzin sources of Framewo character comparat Case Stu UNIT-II	ng plann PESTEI ng Indu Exit Bar ng Com of comp ork, com ristics of tive ana idy on I I	Company'sExternalEnvironmenting-Preparingan Environmentanalysis, EFE Matrixstry Environment:Industry Analysisriers, Strategic Group analysis.pany's Internal Environment:Resourceetitive advantage, analyzing Company'spetitive advantage, competitive parity &f core competencies, Distinctive comysis.Invironmental scanningStrategy Formulation and Strategic A	ental Threat a - Porter's Five Fource based view o s Resources and 0 & competitive disaction petitiveness, Beno	nd C orces M f a firn Competi lvantag chmarki	Opportu odel o n, mea tive P e, Core ng as	appraisal unity Profile of competition, uning, types & osition, VRIO e Competence, a method of 8 Hours
Analyzin Scenario (ETOP),J Analyzin Entry & I Analyzin sources o Framewo character comparat Case Stu UNIT-II Generic Focus – v Grand Mergers, Divestme Structura strategic	ng plann PESTEI ng Indu Exit Ban ng Com of comp ork, com ristics of tive anal itive anal itive anal dy on I Compe when to Strateg Acqui ent, Liqu analys	Company's External Environment ing - Preparing an Environment analysis, EFE Matrix stry Environment: Industry Analysis riers, Strategic Group analysis. pany's Internal Environment: Resource etitive advantage, analyzing Company' petitive advantage, competitive parity & f core competencies, Distinctive com ysis. Environmental scanning	ental Threat a - Porter's Five Fource based view of s Resources and 0 & competitive disact petitiveness, Bend malysis ompetitive strategies n Strategies, Ver egic Alliances), I gic analysis and cl	and Corces M f a firm Competi Ivantage chmarki es, Low tical In Retrench	Opportu odel o n, mea tive P e, Core ng as cost, I tegrati ment– riteria	appraisal unity Profile of competition, uning, types & osition, VRIO e Competence, a method of <b>8 Hours</b> Differentiation, on Strategies, - Turnaround, for evaluating
Analyzin Scenario (ETOP),J Analyzin Entry & I Analyzin sources of Framewo character comparat Case Stu UNIT-II Generic Focus – v Grand Mergers, Divestme Structura strategic grid.	ng plann PESTEI ng Indu Exit Ban ng Com of comp ork, com ristics of tive ana idy on I I Compe when to Strateg Acqui ent, Liqu alternat	Company'sExternalEnvironmenting-Preparingan Environmentanalysis, EFE Matrixstry Environment:Industry Analysisstry Environment:Industry Analysiscitices, Strategic Group analysis.pany's Internal Environment:Resourceetitive advantage, analyzing Company'spetitive advantage, competitive parity &f core competencies, Distinctive comysis.Invironmental scanningStrategy Formulation and Strategic Aitive Strategies:Meaning of generic couse which strategy.es:Stability, Growth (Diversificationsition & Takeover Strategies, Strategies, Strategies, is of competitive environment, Strategies	ental Threat a - Porter's Five Fource based view of s Resources and 0 & competitive disact petitiveness, Bend malysis ompetitive strategies n Strategies, Ver egic Alliances), I gic analysis and cl	and Corces M f a firm Competi Ivantage chmarki es, Low tical In Retrench	Opportu odel o n, mea tive P e, Core ng as cost, I tegrati ment– riteria	appraisal unity Profile of competition, uning, types & osition, VRIO e Competence, a method of <b>8 Hours</b> Differentiation, on Strategies, - Turnaround, for evaluating

Components of a strategic plan, barriers to implementation of strategy, Mintzberg's 5 Ps, 7 S framework, Leadership and corporate culture, functional plans to implement strategy, Ethics and social responsibility.

Strategic evaluation and control, Strategic control and operational control, techniques of strategic evaluation.

# Case Study on strategy implementation

UNIT-V	Contemporary issues	6 Hours					
Balance score card, Porter five forces model, Red ocean and blue ocean strategy. Strategies for situation							
like competing in eme	rging industries, maturing or declining industries, fragmented indu	stries.					
Case Study							

## Course outcome: At the end of course, the student will be able to:

CO 1	Formulate organizational vision, mission, goals and values	Apply (K3)						
CO 2	Develop strategies and action plans to achieve an organization vision, mission and goals	Create (K6)						
CO 3	Develop powers of managerial judgment, how to assess business risk and improve ability to make sound decisions and achieve effective outcomes	Create (K6)						
CO 4	Evaluate and revise programs and procedures in order to achieve org goals	Evaluate (K5)						
CO 5	Consider the ethical dimension of the strategic mgt process	Analyze(K4)						
Text bo	oks							
	ice Books							
<ol> <li>Business Policy and Strategic Management by P. Subba Rao</li> <li>Crafting and Executing Strategy- The Quest for Competitive Advantage by Thompson, Strickland, Gamble &amp; Jain,</li> </ol>								

- Tata McGraw-Hill
- 3. Business Strategy formulation by Anthony Ulwick

			MBA SECOND YEAR						
Course	Code	AM	BA0302	L	Т	Р	Credit		
Course	e Title	Cor	porate Governance, Values & Ethics	3	0	0	3		
Course	objectiv	e: Ob	jective of this course is to:	Dura	ation:	36 Hoi	ırs		
1	Introduce	e the co	oncept and importance of corporate governance in business						
2	Make stu	idents a	ware of corporate governance frame work in India.						
3									
4	Discuss	s the e	thical values and that drive the modern businesses						
5	Develo	p the	understanding of modern challenges and issues in co	orporat	e Gove	ernance	e.		
Pre-req	uisites: ]	Princi	ples & Practice of Management, Organizational Beh	aviour	•				
			Course Contents / Syllabus						
UNIT-I			Corporate Governance				Hours: 7		
Meaning	g, Defini	tion, I	Nature, Issues, need of corporate governance code, G	Code c	of Corp	orate I	Practices,		
Corpora	te Social	l Resp	oonsibility, Corporate Social Reporting, Corporate G	Govern	nance a	and the	e Role of		
Board (	(BOD),	Corp	orate Governance System Worldwide, Corporate	e Dise	closure	and	Investor		
Protectio	on in Ind	lia.							
UNIT-I	I		Corporate Governance Framework in India			Hours: 8			
Corpora	te Board	ls and	Its Powers, Responsibilities and Disqualifications;	Board	Comm	ittees	and their		
Function	ns- Remu	unerat	ion Committee, Nomination Committee, Compliand	ce Cor	nmitte	e, Sha	reholders		
Grievan	ce Com	mittee	, Investors Relation Committee, Investment Com	nmitte	e, Ris	k Mar	nagement		
Commit	tee, and	Audi	t Committee; Regulatory Framework of Corporate	Gover	mance	in Ind	ia; SEBI		
Guidelin	es and	Clau	se 49; Reforms in The Companies Act, 2013;	; Cha	llenges	in C	Corporate		
Governa	ince								
UNIT-I	II		Values in Modern Business				Hours: 7		
through	Human	Value	pes and Formation of Values, Values of Indian Man s; Spiritual Values. Modern Business Ethics and Dil- ganizational goals.	-		-			
UNIT-I			Business Ethics				Hours: 7		
Meaning	g, Defin	ition,	Nature, Importance. Ethical Dilemma - Ethical	Deci	sion M	laking	, Ethical		
-	•		ues, Ethics Management – Key roles and responsibi			-			
	-		Code of ethics, Guidelines for developing code of e						
of Ethics	s – Excei	rpts fr	om scriptures, Socialization.						
UNIT-V	7		Ethics in Organization				Hours: 7		
and volu	intary ac	tions.	thics, Traditional view, Contractual theory, Stake-h Ethics and HRM, Ethics and Marketing, Ethics in H plogy. Ethics and Information Technology						
Course	outcome	e:	At the end of course, the student will be able to						
CO 1	Have in	sights	into various concepts & cases related to Corporate Governance	•		Unders	stand (K2)		

CO 2	Gain a deeper understanding of the about the Corporate Governance framework.	Apply (K 3)
CO 3	Develop the ability to practice various aspects, factors related value in business.	Analyzing ( K 4)
CO 4	Work and discharge responsibilities in an ethical way in the organization	Applying (K 3)
CO 5	CO 5 Understand modern practices of Corporate Governance in various areas of business.	
Text boo	ks	
1	. Fernando A C – Business Ethics & Corporate Governance, 2e, Pearson	
2	. Kumar T N Satheesh- Corporate Governance, Oxford University Press	
3	. Mandal S K – Ethics in business and corporate governance, 2e, McGraw-Hill	
Reference	e Books	
1	. Hartman Laura P & Chatterjee Abha - Business Ethics, Tata McGraw Hill	
2	. Mohapatra, Sreejesh- Case Studies in Business Ethics & Corporate Governance, 1e, Pear	son

	MBA SECOND YEAR										
Course	Code	AMBA0359	L	Т	Р	Credit					
Course '	Title	Summer Internship Project	0	0	4	2					
Course	objective	e: Objective of this project is to:	Co	Contact Hours: 10							
1 Assess interest and abilities in their field of Study.											
2	2 Develop work habits and attitudes necessary for job success.										
3	Demon	strate an understanding of professional and ethical practic	e.								
4	Develo	p analytical skills including the ability to understand ir	formatio	on and							
	interpre	et data.									
5	Develo	p interpersonal skills which will enable them to	ouild pi	ofessio	onal						
	relationships, work within a team structure and to manage conflict in the										
	workpla	ace.									
Guidelir	nes:										

1. At the end of second semester examination, it is mandatory for every student of MBA to undergo on-thejob practical training in any manufacturing, service or financial organization. The training will be of 6 to 8 weeks duration. The student is expected to undergo a compulsory training for the mentioned period.

2. During the training, the student is expected to learn about the organization and analyze and suggest solutions of a live problem. The objective is to equip the student with the knowledge of actual functioning of the organization and problems faced by them for exploring feasible suggestions.

3. During the course of training, the organization (where the student is undergoing training) will assign a problem/project to the student.

4. The student, after the completion of training will submit a report to the College/Institute which will form part of third semester examination.

5. The report (based on training/the problem/project studied) prepared by the student will be known as Summer Internship Project. The report should ordinarily be based on primary data. It should reflect in depth study of micro problem, ordinarily assigned by the organization where student undergoes training. Relevant tables and bibliography should support it. One comprehensive chapter must be included about the organization where the student has undergone training. This should deal with brief history of the organization, its structure, performance products/services and problem faced. This chapter will form part 1 of the report. Part 2 of the report will contain the study of micro research problem. The average size of report ordinarily will be of minimum 40-60 pages in standard font size (12) and double spacing. Two neatly typed and soft bound (paperback) copies of the report will be submitted to the College/Institute. The report will be typed in A-4 size paper.

6. The report will have two certificates. One by the Head of the Department and the other by the Reporting Officer of the organization where the student has undergone training. These two certificates should be attached in the beginning of the report.

7. The Summer Internship Project Report will carry 100 marks and will be evaluated by two examiners (external and internal). The evaluation will consist of (1) Project Report evaluation (2) Project Presentation and Viva. The Project Report evaluation will comprise of 50 marks and would be evaluated by internal project guide. The Presentation and Viva Voce would comprise of 100 marks and would be evaluated by two examiners (1 external and 1 internal). Only such person will evaluate the project report who has minimum three years of experience of teaching MBA classes in a College/University. Experience of teaching MBA

classes as guest faculty shall not be counted.

8. It is mandatory that the student will make presentation in the presence of teachers and students. The student is expected to answer to the queries and questions raised in such a meeting.

9. The student shall prepare the Summer Internship Project Report as per the format given in the Summer Training Manual as prescribed by the Institute.

10. Students must publish their research paper in national / international journal or can present their research paper in national / international conference or conference proceedings.

Project	Report	<b>Evaluation:</b>	(Internal)
- <b>J</b>	· · · ·		()

Relevance of Objectives with Topic (10)			nce of Research hodology (20)	Interpretation and Analysis (20)	Total (50)					
Presentati	Presentation and Viva Voce Presentation: (External)									
Relevance of ObjectivesRelevance of Research Methodology (20)Interpretation and Analysis (30)(10)(10)(10)					Presentation and Communication Skills (30)			Total (100)		
Course ou	tcom	ne: At	the end of	f course, the studen	t will be able to:					
CO1	Ider	ntify and a	nalyze bus	iness problem in an	organization through rese	earch.	Und (K2)	erstanding		
CO2	Dev	elop the a	bility to id	entify the various fu	inctions of the organization	on.	Ana	yze (K4)		
CO3 Identify causes and effects of the problem.							Eval (K5)	uating		
CO4	CO4 Develop ability to interpret data and draw conclusions						Crea	ting (K6)		
CO5 Develop Multi-Disciplinary Approach for identifying and solving business problems					ng business	Crea	ting (K6)			

			MBA SECOND YEAR				
Course	Code	AMBAI	FM0311	L	Т	Р	Credit
Course	Title	Security Analysis and Portfolio Management310					
Course	e objecti	ve: Obje	ctive of this course is to:	D	urati	on: 40	hours
1	Introduc	e students	to stock, stock market and approaches to investing in	the s	tock	narket	and
	0	stock port				11	1.1
2		-	investment theory will be stressed and tied in with dis	scussi	on of	applic	able
3	_		portfolio selection. th techniques that can be applied in different busines	e citu	ation	regar	dina
5			nagement.	s situ	anon	regai	unig
4			ts to the concepts and approaches applicable in the field	ld of s	securi	ty ana	lysis
	-	folio mana				•	•
5			s to apply stock and debt valuation models in portfolio		geme	nt.	
Pre-req	uisites: R	equired Ba	asic Knowledge of capital market and time value of mo	oney			
			<b>Course Contents / Syllabus</b>				
UNIT-			Investment Environment ent - Meaning and objective of investment, inv				Hours:
return an UNIT-I Fundam	Ι	ysis: econo	Capital market Analysis omic analysis, industry analysis and company analysis.				Hours:
Technic averages	al analysis s and mark	s: DOW T tet indicat	heory, Support and Resistance level, Type of charts & ors, Trend line, Gap Wave Theory, Relative strength.	& its i	_		
		heory: we	ak form hypothesis, semi-strong form hypothesis and s	strong	form	hypot	
UNIT-I			Bond and Equity Valuation				Hours:1 0
Intrinsic CAPM Valuatio and cone	value and Capital A on of Deb cept of du	d market j sset Pricin entures/Bo	inted Cash-flow techniques: Balance sheet valuation, price, earnings multiplier approach, P/E ratio, Price/B ing Model) and Arbitrage Pricing Theory. Case Studies ponds : nature of bonds, valuation, Bond theorem, Ter	ook v	value,	Price	sales ratio
UNIT-I	V		Portfolio Theory				Hours:
Portfolio	o risk and	return, B	of Risk, Component & Measurement of risk, covar eta as a measure of risk, calculation of beta, Selectio , Case Studies.				
UNIT-V	7		Active Portfolio Management				Hours:
	-		Performance Evaluation: Performance Evaluation of tres; Finding alternatives and revision of portfolio;				-

CO 1	Understand about various investment avenues.	(Understand) K2					
CO 2 Understand the valuation of assets and manage investment portfolio. (Understand							
CO 3	CO 3Measure risk of a stock or a portfolio position.(Understand) I						
CO 4	Analyze and evaluate portfolio performance.	(Analyze) K4					
CO 5	Understand and create various investment strategies on the basis of various	(Create) K6					
	market conditions.						
Text boo	oks						
1) Rustagi	R.P-Investment Analysis and Portfolio Management (Sultan Chand, 2nd Ed.)						
	a P - Investment Analysis and Portfolio Management (Tata McGraw Hill, 3rd Ed)	)					
3) Kevin S	5Security Analysis and Portfolio Management (PHI, 2 <sup>nd</sup> Ed.)						
Referen	Reference Books						
1) Ranga	natham - Security Analysis and Portfolio Management (Pearson Education, 2nd E	Ed.)					
2) Willia							
3) Donald E. Fischer and Ronald J.Jordan: Security Analysis and Portfolio Management, (Pearson Education, 6th Ed)							

		MBA SECOND YEAR				
Course	Code	AMBAFM0312	L	Т	Р	Credit
Course	Title	Corporate Tax Planning	0	4		
Course	objective: Objec	tive of this course is to:	D	urat	ion:	40 Hours
1	Familiarize the taxes in Indian e	participants with the principles, problems and structure of conomy.	dif	ferer	it typ	bes of
2	Acquire the con	aplete knowledge of basic concepts of income tax, understance and calculate Residential status of a person.	and	the	provi	sions
3		al income under the various heads of income				
4	•	vith the adjustments to be made in the taxable income.				
5	A broad underst	anding about the relevance of GST in taxation policy of the	eco	nom	у	
Pre-req	uisites: Required	basic knowledge of taxation				
		Course Contents / Syllabus				
UNIT-I		Introduction to Direct Taxation				Hours: 6
Year,Ind Exempto	come Tax, Impo	Cannons of Taxation Person, Assesses, Income, Pre rtant Dates and Forms. Residential Status & Tax Incid tment of Agricultural income				idual Income
UNIT-II		Heads of Income				Hours:10
Long ter UNIT-III Clubbin relief, I	rm capital gains, I g of incomes, C Deduction, Rebate	s from Business or Profession, Capital Gains – Short term ncome from Other sources Aggregation of income and adjustments alculation of Taxable Income ,Tax Calculation including e, Relief, Set Off & Carry Forward of Losses – Princip adjustment and Intra – head Set Off,	g Su	ircha	rge	Hours: 8 and Marginal
UNIT-IV		Tax Planning & Management				Hours:8
appoint of tax, 0 Avoidar	nent- Jurisdiction Offences, penaltie	ement, Tax Avoidance, Planning, & Evasion, Income -Powers and functions- Provisions relating to collection an es and Prosecutions, Appeals and Revisions, Advance Tax ation Agreements.	nd re	ecove	ery o	f tax- Refund ance Rulings,
UNIT-V		Introduction to Indirect Taxation				Hours:8
Need fo GST. R Adminis	r Tax Reforms, G egistration and F stration of GST. utcome: At the end	ges and Limitations of VAT – GST as the preferred Tax ST Principles – Single GST, Dual GST; Transactions cover Filing: – Rates of Tax – Rates in Foreign Countries – T of course, the student will be able to: out various Tax provisions and Tax planning	ered In I	und ndia	er GS; ; As	ST; Impact of
CO 2	Calculate taxa	ble income by taking into consideration five heads of	(/	Apply	y) K3	3
CO 3	Understand clu and Inter-head	abbing and aggregation of income and apply Inter-source adjustment	(A	pply	) K3	

CO 4	Have knowledge about various Tax Dates, Rates and Forms	(Apply) K3					
CO 5	CO 5Understand how GST can be calculated & managed.(Understand)						
Text bo	oks						
1) Dr. Vi	nod K. Singhania & Dr. Monica Singhania Students Guide to Income T	ax (Taxmann Publication,					
Latest Edi	tion according to assessment year						
2) Girish	Ahuja & Ravi Gupta Direct Tax Laws & Practice (Bharat Law House, Lates	st Edition)					
3) Dr.B.K	. Agarwal& Dr. Rajeev Agarwal Tax Planning and Management(Nirupam 1	Publication, Latest Edition					
according	to assessment year)						
Referen	ce Books						
1) Dr.Vi	nod K. Singhania & Dr. Kapil Singhania Students Guide to Income Tax (Ta	axmann Publication, Latest					
Editio	n)						
2) Partha	sarathy Corporate Governance: Principles, Mechanisms & Practice (Wiley,	Latest Edition )					
3) H. P. J	Ranina Corporate Taxation (Orient Law House, Latest Edition)						
4) Incom	e Tax Reports, Company Law institute of India PvtLtd(Chennai Latest Edit	tion)					
5) Taxm	an, Taxman Allied SerivesPvtLtd.(New DelhiLatest Edition)						

				Μ	<b>/IBA</b>	SEC	OND	) YE	AR							
Course Code	e AMBA	AFM0.	0313									L	Т	Р		Credit
<b>Course Title</b>	Indiar	n Finaı	ancial	Marl	ket &	& Serv	vices					3	1	0		4
Course object	Course objective: Objective of this course is to: Durati								on: 40	) Hot	urs					
ţ	art knowledge						f India	a, the	role o	f Fina	ancial	Insti	tutio	ns,		
-	ancial markets				•			,						,		
2 Awa	are the student	ts' with	th the	mech	nanisn	n of C	Comm	nercial	Bank	king,	its Op	erati	ons,			
	ruments Regu									0.	-		-			
3 Hel	p the students	in acqu	quiring	g anal	lytical	l skill	ls in tl	he Mo	ney a	ind ca	pital	Mark	et in	the		
cont	text of raising	mediu	um an	d long	ig tern	n Fun	nds		•		•					
	are the student							wing	source	e of F	Financ	ial m	lecha	nism		
5 Dev	elop an appre	ciation	n amo	ng the	e stud	dents	for In	suran	ce pro	oducts	5.					
Pre-requisite	es: Required E	Basic K	Knowl	ledge	for Iı	ndian	Finar	ncial N	Marke	et & S	bervic	es.				
				Co	ourse	Cont	tents /	/ Sylla	abus							
UNIT-I		St	tructur	re of Ir	ndian	financ	cial sys	stem								Hours:6
	Indian financ	ial svs	vstem:	An o	overv	view.	Theo	ries c	of the	Imn	act o	f fin	ancia	l dev		
	r saving theor															
	eration Theory		our o	louio		,	, 11100	, i j 01	10100	Ju Ju	,	1 111		11050	inacioi	ii uicory,
UNIT-II			BI & F	Financi	cial Ins	stitutio	ons								H	Hours:10
	k of India: Or	rganiza	vation	mana	agem	nent a	nd fu	nctior	is. Re	ecent	mone	tarv	polic	v of	RBL	Banking
	cture, Com	0			0							•	-	•		0
	s in commerci					-		-							-	
UNIT-III			ndian F										,			Hours:8
Money mark	et: meaning,	constit	ituents	s. fun	nction	ns of	mone	v ma	rket.	Mone	ev ma	rket	instr	umen	ts: ca	all loans.
•	, certificates							•			•					
•	et: primary an	-	-												-	
-	ves and funct		5		,					1	,					,
UNIT-IV			licrofir	nance l	Devel	lopmer	nt									Hours:8
Overview of	micro finance	: Type	es of n	nicro	finan	nce: Ir	ncome	e gene	rating	g acti	vities	and	Micr	o Ente	erprise	e Market
	alysis, Tech															
	mplementatio															
Sustainability																
UNIT-V		P	Princij	ples a	and P	Practi	ice of	Insur	ance							Hours:8
Principles and	Practice of Insu	rance-In	[ntroduc	ction to	o Risk	c and I	nsuran	ce. Tvr	bes of	Insura	nce-Ge	eneral	and I	ife, Ba	nsic pr	inciples of
-	fe Insurance, Ins							• •							-	-
	iums & Riders, n				•						•					-
Course outco	ome: At tl	he end	d of co	ourse,	e, the	stude	ent wi	ill kno	ow to:	:						
CO 1 Re	ecognize the f	functio	oning	and v	worki	ing of	f vari	ous fi	nanci	al ins	stitutio	ons i	n C	ompre	ehend	ling
India thus in turn connecting it to the working of Indian economy. (K3)					J											
	terpret the k			-			-			•		ancia	· ·	pplyi	ng (K	(4)
	struments in t														<u> </u>	-
m	arket.															
CO 3 CI	lassify about t	the wor	orking	of m	nicro f	financ	ce ins	trume	nts in	Indi	a as w	vell a	s C	ompre	ehenc	ling
														-		

	foreign market.	(K3)					
CO 4	Interpret the knowledge about the banking industry and demonstrate the various market demand analysis	Applying (K4)					
CO 5	Understand the various insurance products and its regulations.	Understanding (K2)					
Text boo	ks	I					
1. Bhole,	L M ; Financial Institutions and Markets; McGraw-Hill Education						
2. Khan,	M.Y.; Indian Financial System; McGraw-Hill Education						
3. Pathak	, Bharti V.; Indian Financial System; Pearson Education						
Reference	e Books						
1. Singh,	S.P.; Indian Financial System; Wisdom Publication						
•	aju, H.R.; Indian Financial System; Vikas Publishing House						
	3. Dorfman Marks S., "Introduction to Risk Management and Insurance", 5th Edition, Prentice Hall Inc,						
Englewoo	od Cliffs N.J.						

	edit 4
Course objective: Objective of this course is to:       Duration: 40 Hours         1       Understand the concept of HR Analytics, analytic value chain, organizational system         2       Equip students with knowledge of various HR Analytics Framework HR benchmarks and metrics relevant to organizational goals         3       Knowledge about the practices using HR analytics to support data-driven decision making         4       Understand and apply the concept of HR metrics analysis which includes the recruitment & selection analysis, diversity analysis, performance analysis	4
<ol> <li>Understand the concept of HR Analytics, analytic value chain, organizational system</li> <li>Equip students with knowledge of various HR Analytics Framework HR benchmarks and metrics relevant to organizational goals</li> <li>Knowledge about the practices using HR analytics to support data-driven decision making</li> <li>Understand and apply the concept of HR metrics analysis which includes the recruitment &amp; selection analysis, diversity analysis, performance analysis</li> </ol>	
1Understand the concept of HR Analytics, analytic value chain, organizational system2Equip students with knowledge of various HR Analytics Framework HR benchmarks and metrics relevant to organizational goals3Knowledge about the practices using HR analytics to support data-driven decision making4Understand and apply the concept of HR metrics analysis which includes the recruitment & selection analysis, diversity analysis, performance analysis	[
<ul> <li>Equip students with knowledge of various HR Analytics Framework HR benchmarks and metrics relevant to organizational goals</li> <li>Knowledge about the practices using HR analytics to support data-driven decision making</li> <li>Understand and apply the concept of HR metrics analysis which includes the recruitment &amp; selection analysis, diversity analysis, performance analysis</li> </ul>	
<ul> <li>Knowledge about the practices using HR analytics to support data-driven decision making</li> <li>Understand and apply the concept of HR metrics analysis which includes the recruitment &amp; selection analysis, diversity analysis, performance analysis</li> </ul>	
4 Understand and apply the concept of HR metrics analysis which includes the recruitment & selection analysis, diversity analysis, performance analysis	
selection analysis, diversity analysis, performance analysis	
-3 + Understand the concept of <b>FIK</b> Scorecard, interventions & formulation of evidence-based is	
practices	
Pre-requisites: Basics of HRM	
Course Contents / Syllabus	
UNIT-I HR Analytics in Perspective 8 Hour	rs
Introduction to HR Analytics, Defining HR Analytics, Basic of HR Analytics, Role & Capabil Analytics, Evolution of HR Analytics, Typical Application of HR Analytics, Analytic Value Chair Analytics: The wave for HR value creation. Valuing HR Analytics in the Organizational Sy Understanding the Organizational System, Locating the HR Challenges in the System.	n, HR ystem.
UNIT-II HRA Frameworks 8 Hour	rs
versus Benchmarking, HR Scorecards & Workforce Scorecards and how they are different from Analytics, HR Maturity Framework: From level 1 to level 5, HR Analytics Frameworks: (a) I framework; (b) HCM:21 Framework and (c) Talent ship Framework, 5 overarching components effective Analytics framework.	LAMP of an
UNIT-III         Insight into Data Driven HR Analytics & HR Metrics         8 Hour	
Defining metrics, Demographics, data sources and requirements, Types of data, tying data sets tog Difficulties in obtaining data, Typical data sources, Typical questions faced (survey), Typical data in Connecting HR Analytics to business benefit (case studies), Techniques for establishing questions, bus support and interest, Obtaining data, Cleaning data (exercise), Supplementing data, ethics of measure and evaluation. Human capital analytics continuum.	issues, uilding
UNIT-IVHR Metric Analysis8 Hours	
Recruitment and Selection Analytics: Evaluating Reliability and validity of selection models, finding selection bias, Predicting the performance and turnover. Diversity Analysis: Equality, diversity inclusion, measuring diversity and inclusion, Testing the impact of diversity, Workforce segmentation search for critical job roles. Performance Analysis: Predicting employee performance, training required evaluating training and development, Optimizing selection and promotion decisionsUNIT-VHR Scorecard8 HoursAssessing HR Program, engagement, and Turnover, finding money in Analytics, Linking HR D operational performance, HR Data, and stock performance. Creating HR Scorecard, develop a measurement system, guidelines for implementing a HR Scorecard. Monitoring impact of Interven Tracking impact interventions, Evaluating stress levels and value-change. Formulating evidence	y, and on and ements, Data to an HR ntions:
- LIACKING HUDACE IMELVENHOUS EVAILIANING SHESS JEVELS AND VAILE-CHANGE FORMULANDO EVIDENCE	sis

Course	e outcome: At the end of course, the student will be able to:	
CO 1	Understand the concepts & fundamental of HR analytics, value chain & organizational system	Understand (K2)
CO 2	Apply relevant HR Analytics framework for problem solving	Apply (K3)
CO 3	Analyzing different techniques of data driven and HR metrics	Analyze (K4)
<b>CO 4</b>	Apply various analysis techniques and should use for decision making	Apply (K3)
CO 5	Analyze the HR Scorecard, monitoring the impact of interventions & evaluate the mediation process, moderations and interaction analysis.	Analyze (K4)
Text b	ooks	
Publish 2. By E	vards Martin R, Edwards Kirsten Predictive HR Analytics: Mastering the H hers, 2019. Dipak Kumar Bhattacharyya, HR Analytics-Understanding Theories and Appli htions ,2017.	
Refere	nce Books	
2. Raci	Analytics: The What, Why and How, by Tracey Smith, Edition ,2013. hal Johnson, Lindsay McFarlane et.al. Murrey The Practical Guide to HR	Analytics, Society For

Human Resource,2018

		MBA	A SECONI	<b>D YEAR</b>				
Course Code	AMBA	HR0312			]	L T	Р	Credit
<b>Course Title</b>	urse Title Employee Relations and Labor Law 3 1 0							4
Course objective: Objective of this course is to: Duration: 40 H								ours
1 Provide	e conceptua	l framework of Indu	strial Relatio	ns.				
. Unders	tand and ar	ply the concept of ir	ndustrial relat	ions				
Z	-							
2		which it operates.						
<sup>5</sup> Make a	ware of the	present state of Indu	ustrial relatio	ns in India.				
		ws relating to Indust jor reforms in labour		s, Social Sec	urity and	Working	5	
Pre-requisite	s: Basics of	HRM						
Course Conte	ents / Sylla							
UNIT-I		Employee Relations M	anagement (El	RM) & Indust	rial Relatio	n		Hours 8
Employee Re	lations M	anagement (ERM)	& Industrial	Relation:	Introducti	on and	Impo	rtance of
Employee Re	lations M	anagement, Employ	ee Relation	s Managem	ent Tool,	Aspec	ts of	Industrial
Relations, Em	erging cha	lenges of IR in Indi	a, Linking Ir	ndustrial Rel	ations wit	h econo	mic gr	owth of a
country, Nego	tiations and	l Counseling.						
Trade Unionis	m: Develo	pment of trade unior	nism, functio	ns, type and	structure	problei	ns & s	suggestive
remedial meas	ures of tra	le unions, The Trade	Unions Act	1926: Objec	tive, Reco	gnition	and re	gistration,
Industrial Den	nocracy &	Participative Manage	ement. Case S	Studies		-		-
UNIT-II		Collective Bargaining						Hours 8
Collective Ba	rgaining:	Significance, types	& procedur	e of Collec	ctive barg	aining	Discip	line: The
		(Standing Orders)	-		-	-	-	
		scipline, Domestic			-	-		
		outes, Preventive &						
		es, Employee Partici		•			-	
1	U	thods of Participatio	•	e	1.	I I I	,	1 5
Case Studies	,,		, <u>F</u> J	r - · · ·				
UNIT-III		Labor Law-I						Hours 8
	Act. 1948	& The shop & Esta	blishment A	ct. 1948: Th	e Pavmer	t of Wa	iges A	
		n Act, 1972; The Ind			•		0	, _, <b></b> , <b>I</b> I
	1	efinition, Levels, So	1	·		of conf	licts F	Reactions an
	-	ct, Conflict Resoluti	-	io, Cuube dii		51 0011	, r	couverons all
UNIT-IV		Labor Law-II						Hours 8
The Payment	of Minimu	n Wages Act 1936,	The Contract	t Labor (Abo	olition & 1	egulativ	ve) Act	: The ESI
•		nions Act, 1926, Cl				U	,	
		iled Castes and Sche			U		,	
atest amenull	em. selled	incu Casies allu Selle	auteu THDes	Commissio	11.			

UNIT-V	7	Labor Law-III		Hours 8
Employe The Indu Health a	ee's Provident fu ustrial Relations nd Working Cor	Act, 1965; The payment of Gratuity Act, 197 nd & Miscellaneous Provisions Act, 1952. Code Bill, 2020; Code on Social Security Bil aditions Code Bill, 2020. e end of course, the student will be able to:	•	
CO 1	Knowledge of Ind	ustrial Relation framework	(Understand) K2	
CO 2		o understand the importance of Employee to the perspective of Industrial Relation	(Understand) K2	
CO 3	Knowledge abo	out relevant Laws of HR management	(Apply) K3	
CO 4	Competency to within organization	o interpret and implement the Labour Laws ation	(Evaluate) K5	
CO 5	Competency to Mechanism	use Collective Bargaining and Grievance redressal	(Apply) K3	
Text bo	oks			
1. Srivas	stava SC - Indust	rial Relations and Labour Laws (Vikas, 2020,	7th Edition.)	
2.Taxma	ann Labour Laws	", Taxmann Allied Services Pvt. Ltd.,2019		
Referen	ce Books			
<ol> <li>Indus</li> <li>Mam</li> </ol>	strial Relations, Cha oria, Mamoria and	al Relations and Labor laws", Tata McGraw Hill Editio ganti Satya Venkata Ratnam, Manoranjan Dhal, 2017. Gankar, "Dynamics of Industrial Relations", Himalaya F elations Management - Texts and Cases (Sage Publications)	Publishing House, New Delh	

	MBA SECOND YEAR				
<b>Course Code</b>	AMBAHR0313	L	Т	Р	Credit
<b>Course Title</b>	Performance and Reward Management	3	1	0	4
Course objecti	re: Objective of this course is to: D	urat	ion: 4	40 He	ours
	an understanding of the key concepts of performance managem	ent a	ind co	ontem	porary
	s for administering compensation and rewards in practices				
	ate the benefits of using a performance development plan and thing one in place.	ne co	nseq	uences	sof
	uish the elements of an effective, integrated performance devel	opme	ent sy	vstem.	
	rize the students with the concept of competency mapping and	under	rstand	ling it	S
	career development				
unders	arize students with various aspects of compensation system in In and various issues linked with the process of fixing salary dearn we scheme and benefits.				
<b>Pre-requisites:</b>	Basics of HRM.				
<b>Course Conten</b>	ts / Syllabus				
UNIT-I	Introduction to Performance Management				8 Hours
Introduction to	Performance Management System :Meaning, Uses and p	ourpo	ose c	of Per	formance
-	urrent scenario, Performance management as a System ar terion of developing an Effective Appraisal System, Criteria (K				-
UNIT-II	Managing Performance				8 Hours
Performance Ap Human Resource HRD at Micro	rmance: Methods of managing performance of all the levels of praisal, MBO and Performance analysis for Individual and org e Development: Introduction, Concept & Definition, Features, and Macro levels, Significance of HRD Distinction between ents or Mechanism of HRD, Implementation of HRD, HRD Studies	aniza Obj Pers	ationa ectivo sonne	al devo es & l el Fun	elopment. Essentials ction and
UNIT-III	Competency Mapping				8 Hours
Contemporary	Issues: Potential appraisal, Competency mapping ,Competenc	y ma	ppin	g appi	roaches & its
linkage with	Career Development and Succession planning, Balance sc	ore	card:	Intro	oduction and
Applications, A	dvantages and limitations. Benchmarking.				
UNIT-IV	Reward System				8 Hours
Reward System	Compensation- Definition, Function, and significance. Job ev	aluat	ion:	Metho	ods of job
	buts to job evaluation, Practical implication for tech		/non-	-techn	ical and
	gerial positions and significance of wage differentials. Case Stud	nes			0 II
UNIT-V	Compensation System				8 Hours

Compensation: Method of pay and Allowances, Pay structure: Basic Pay, DA, HRA, Gross Pay, Take home pay etc, Calculation of :PF, ESI, BONUS and Gratuity, Cost To Company. Incentive schemes; Methods of payment: Time and piece rate. Fringe benefits & other allowances: Overtime, City compensatory, Travelling etc. Regulatory compliance: Introductions, Wage and Pay commissions, Overview of minimum wages Act-1948 and Equal Remuneration Act-1976. Profit Sharing options; Case Studies.

Course outcome: At the end of course, the student will be able to:

Knowledge	Knowledge of Performance Management and Performance Appraisal					
	acy to understand the importance of importance of ce Management	(Understand) K2				
3 Knowled	<sup>3</sup> Knowledge about the Compensation and Reward Systems					
0.4 Compete	Competency to implement the effective reward systems in the organization					
	xplain the relevance of competency mapping and understanding its linkage levelopment	(Apply) K3				
xt books						
Robert E	cal, Performance Management, McGraw-Hill Education, 2012.					
ΓV Rao, Perform	ance Management, Toward Organizational Excellence, 2016.					
ference Books						
ference Books	book of Performance Management: An Evidence-Based Guid	le to				

1.Armstrong's Handbook of Performance Management: An Evidence-Based Guide to Delivering High Performance, Kogan Page Publishers, 2009.

2. Kevin , R. Murphy , Jeanette N. Cleveland, Madison E. Hanscom ·, Performance Appraisal and Management , Sage Publications, 2018.

3. Arup Verma, Pawan Budhwar, Performance Management Systems: An Experiential Approach, Sage Publications, 2019.

		MBA SECOND YEAR						
Cou	rse Code	AMBAMK0311 L T	I	P (	Credit			
Cou	rse Title	Digital and Social Media Marketing 3 1	. 0	)	4			
Cour	Course objective: Objective of this course is to: Duration: 4							
1	Provide u	inderstanding of digital and social media marketing practices.						
2								
3		derstanding of the concept of social media platforms						
4		nsights on building organizational competency by way of digita	al mar	keting				
		and cost considerations.		U				
5	Develop	understanding of the latest digital practices for marketing and pro-	omoti	on.				
Pre-r		Understanding of Basics of marketing concepts and social medi						
Cour	rse Conten	ts / Syllabus						
UNI	Г-І	Introduction to Digital Marketing		08 Hoi	irs			
Intro	duction to	Digital Marketing: The new digital world - trends that are	e driv					
		teting practices to digital marketing practices, the modern digit						
		ital journey. Marketing strategies for the digital world - lat						
	-	tal Marketing.	I I					
-	0	(7Ps) in online context, Integrated Internet Marketing communic	ation					
UNI	U	Acquiring & Engaging Users through Digital Channels		<b>08 Hot</b>	irs			
conte Digita marke marke	ent and bran al Promot eting, mo etingand so	ngaging Users through Digital Channels: Understanding the nding and its impact on sales. ion Technique: overview of search engine optimization (S bile marketing, video marketing, email marketing, viral ocial-media marketing, Marketing gamification, Online campaig tric tools to segment, target and position.	SEO), mar	search keting,	engine content			
UNI		Social Media Marketing		<b>08 Ho</b>	irs			
Social Media Marketing –The Role of Social Media Marketing, Meaning, Purpose, types of social media websites. Introduction to Blogging, Create a blog post for your project. Include headline, imagery, links and post, Content Planning and writing. Introduction to Facebook, Twitter, Google +, LinkedIn, YouTube, Instagram and Pinterest; their channel advertising and campaigns.								
		Designing Organization for Digital Success		08 Hou				
-		anization for Digital Success: Digital transformation, digital			-			
		reputation management. ROI of digital strategies, how digital	marl	keting 1	s adding			
		s, and evaluating cost effectiveness of digital strategies. te design, understanding site user requirement, site design and s	trust	iro davi	alon and			
	ing websil	te design, understanding site user requirement, site design and s	aucil	ne, dev	erop and			
UNI	-	Digital Innovation and Trends	Т	08 F	lours			
		tion and Trends: The contemporary digital revolution, d	igital					
frame mark	ework; sec eting – Ir	urity and privatization issues with digital marketing, Understand idian and global context, online communities and co-creation ence and e-survey.	ding	trends i	n digital			

Course outcome: At the end of course, the student will be able						
CO1	Students will develop an understanding of digital and social media marketing practices.	Apply (K3),				
CO2	Students will develop understanding of the social media platforms	Evaluate (K5)				
CO3	Students will acquire the skill to acquire and Engage consumers online	Create (K6)				
CO4	Students will develop understanding of building organizational competency by way ofdigital marketing practices and cost considerations	Create (K6)				
CO5	Students will develop understanding of the latest digital practices for marketing and promotion.	Analyze (K4)				

#### **Text Book**

1. Moutsy Maiti: Internet Marketing, Oxford University Press India, First Edition

2. Vandana, Ahuja; Digital Marketing, Oxford University Press India, First Edition

### **Reference Book**

1. Eric Greenberg, and Kates, Alexander; Strategic Digital Marketing: Top Digital Experts Share the Formula for Tangible Returns on Your Marketing Investment; McGraw-Hill Professional, First Edition

2. Ryan, Damian; Understanding Digital Marketing: marketing strategies for engaging the digital generation; Kogan Page, First Edition

3. Tracy L. Tuten& Michael R. Solomon: Social Media Marketing, Sage Publication, Second Edition

				M	BA SI	ECC	)ND `	YEAI	R					
Course C	Code	AMB	AMK0312								L	Т	Р	Credit
Course Title		Produ	uct and Bra	nd Man	nagem	ent					3	1	0	4
Course o	bjectiv	e: Obje	ective of thi	s course	e is to:						Dura	ation:4	40 Ho	urs
1	Learn fu	indamenta	tals of Product	and Branc	d Manag	gemer	nt.			I				
2	Make un	nderstand	l about compet	ition at pro	oduct le	evel as	s well a	as branc	l level.					
3	Understa	and the ro	ole of brands,	componen	ts of bra	ands,	brand e	equity						
4	underst	tand the	e Brand Posi	tioning a	and Br	rand	marke	ting F	Progra	ms				
5	Provide	e insigh	nts into the c	onceptua	al fram	newo	ork for	Strate	egic B	rand	Mana	igemen	nt.	
		<u> </u>	an understa						<u> </u>			0		
Course C		-									0			
UNIT-I			Introductio	n to Prod	luct Ma	anage	ment						08	8 Hours
Introducti	on to P	roduct a	& Product F	Related C	Concep	ots: P	Produc	t Man	agem	ent &	Scor	be, Def	ine Pı	oduct,
Classifica	tion of	Product	t, Product L	evels, Pı	roduct	Hier	rarchy		C		1			
Product L	life Cyc	ele: Proc	duct Life Cy	cle Stag	ges and	d cori	respor	nding	Strate	gies a	nd Pr	oduct	Evalu	ation.
Product P	ortfolio	o: Conce	ept, Factors	influenc	ing Pr	oduc	ct Port	folio,	The E	BCG (	Grow	th Mat	rix, Sl	hell's
Direction	al Polic	y Matri												
UNIT -2			New Produ	ct Strateg	gy								08	8 Hours
Developm New prod Commerc Resistanc	nent Pro luct stra vializatione to Cha g the ma	ocess, te ategy: T on: Test ange, L	est marketin The need for at Marketing Leveraging n roduct: Offe	g. Product , Time to ew Prod nsive Str	Innov o Mark luct Gr rategie	vatior ket, E rowth es, Ex	n Strat Breaki h, Sus xtendi	egy, t ng int taining ng the	he con o the l g Diff produ	npon Mark erent act lif	ents c et, Ma iation	of new anagin	Produ g Gro	
UNIT-3			Introductio	n to Bran	nd Mana	agem	ent an	d Bran	d Equi	ity			80	8 Hours
Brand equ Planning growing a	uity con and im and sust	ncept, S nplemer taining l	Strategic bra	nd mana marketi 7.	agemen ing pro	nt pr ograi	rocess, ms, N	, Ident Ieasur	ifying ring a	g and nd ir	estab nterpr	lishing eting	g bran orand	opportunities d positioning performance Resonance.
UNIT-4			Brand Posi	tioning an	nd Bran	nd Ma	arketin	ig Prog	grams				08	8 Hours
The Four Positionin Planning Options a	steps c ng guide and Im nd tacti	of brand elines. plemen ics for I	d building, on the stand	Creating Marketi grating m	; custor ing Pro narketi	omer ogran ing c	value ms: C	Ident hoosin inicati	ifying ng bra	and and e	estab lemer	lishing nts to	g bran build	Brand Image d positioning brand equity onceptualizing
UNIT-5	~ ~ 1	,	Measurin	-					rand	Equi	ty		08	8 Hours
The brand research t Brand ar	echniqu chitectu	ues. ure, Bi	Designing b	orand trad	cking esignir	studi ng t	ies, Ca	apturin strate	ng cus egy,	stome	er min		hroug	h quantitative

Course outcome: At the end of course, the student will be able						
CO1	Students will develop an understanding of Product and brand management	Apply (K3)				
CO2	Students will develop understanding of the Product Level and Brand level	Evaluate (K5)				
CO3	Students will acquire the skill to Brand management and Brand equity	Create (K6)				
CO4	To enable learners to understand basics of brand equity, insights into the conceptual framework for Strategic Brand Management	Create (K6)				
CO5	Understand the various aspects of Product Management and Product Strategy, strategic significance of Product and Brand Management in business.	Analyze (K4)				
_	· _	·				

#### **Text Book**

1. Product Strategy and Management, Michael Baker and Susan Hart, Pearson Education, Second Edition.

2. Strategic Brand Management, Kevin Lane Keller, M.G. Rameswaram and Isaac Jacob, Pearson Education, Third Edition.

## **Reference Books**

1. Product Management, Donald R. Lehmann and Russell S. Winer, TMH, Fourth Edition

2. Innovation Management and New Product Development, Paul Trott, Pearson, Fourth Edition

3. Startegic Brand Management, Kapferer, J.-N. (1997). London: Kogan Page Limited

4. Brand Management, , H. V. Verma, 2004, New Delhi: Excel Books

5. Branding, A reference guide to solving your toughest branding problems and strengthening

your market position, B. VanAuken, 2007. Jaico Publishing House

## Web resources:

1. http://www.entrepreuner.com/

2. http:// www. ibef.org.com

Course Code	АМД	MBA SECOND YEAR AMK0313	L	Т	Р	Credit	
		umer Behavior & Advertising Management					
Course Title	3	1	0	4			
0	0	ctive of this course is to:		ation	: 40 H	lours	
-		er behavior and explain the consumer decision making process	3.				
		and internal influences on buying behavior.					
	and adve	ertising management and its framework.					
4 Underst	and the t	heoretical aspects of advertising effectiveness on con-	nsum	ers.			
5 Underst	and the	ethics related to advertising and consumer behavior.	Also	create	es		
understa	anding of	f Budgetary control in advertising.					
Pre-requisites:	Having	basic understanding of Consumer Behavior & Ad	lvert	ising		I	
<b>Course Conten</b>	ts / Sylla						
UNIT-I		Introduction to Consumer Behavior			0	8 Hours	
Introduction: Ir	ntroducti	on to Consumer Behavior; Applications of cons	sume	r beh	avior	knowledge	
marketing. Cons	sumers a	nd Customer, Consumer Behavior in the Contempor	rary l	Enviro	nment	t. Introduction	
Problem Recogn	nition, In	formation Search, Evaluation of Alternatives, Post-	-Purc	hase I	Behavi	ior, Attributi	
theory and Diffu	sion of l	Innovation.					
UNIT-II		Consumers as individuals and in the social context			0	8 Hours	
	ndividual		Consu	mer A			
Consumers as in		s and in the social context: Consumer Perception, C			Attitude	e Formation	
Consumers as in Change, Behavi	ioral lea	s and in the social context: Consumer Perception, C rning theories and cognitive learning theories to	cons	umer	Attitude behav	e Formation ior. Referen	
Change, Behavi Groups, Family	ioral lea , Gender	s and in the social context: Consumer Perception, C	cons	umer	Attitude behav	e Formation ior. Referen	
Consumers as in Change, Behavi	ioral lea , Gender	s and in the social context: Consumer Perception, C rning theories and cognitive learning theories to	cons	umer	Attitude behav iltural	e Formation ior. Referen	
Consumers as in Change, Behavi Groups, Family Consumer Beha <b>UNIT-III</b>	ioral lea , Gender vior.	s and in the social context: Consumer Perception, C rning theories and cognitive learning theories to r & Age Influences, Social Class & Consumer Be Advertising Management	cons ehavi	umer or, Cu	Attitudo behavi iltural 0	e Formation ior. Referen Influences <b>98 Hours</b>	
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Consumers as in Change, Behavi Groups, Family <u>Consumer Beha</u> <b>UNIT-III</b> Overview of A Advertising; Advertising; Advertising; Advertising; Advection	ioral lea , Gender vior. dvertisin dvertisin	s and in the social context: Consumer Perception, C rning theories and cognitive learning theories to r & Age Influences, Social Class & Consumer Be Advertising Management g Management: Introduction, Meaning and Frame g to Persuade the Buyer; Importance of Adver	cons ehavi work	umer or, Cu of A g in	Attitude behav: altural <b>0</b> dverti: Marke	e Formation ior. Referen Influences 8 Hours sing; Defini eting; Role	
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CO 1	Understand the three major influences on customer choice: the process of human decision making in a marketing context; the individual customers make up; the environment in which the customer is	Understand (K2)				
	embedded.					
CO 2	Develop the cognitive skills to enable the application of the above knowledge to marketing decision making and activities.	Create (K6)				
CO 3	Understand advertising management, its role, importance, types in marketing positioning,	Understand (K2)				
CO 4	Develop the understanding of advertising agency advertising effectiveness, types, communication process and design strategy.	Apply (K3)				
CO 5	Understand the factors influencing budget setting and ethics related to advertising and consumer behavior.	Evaluate(K5)				
Text bo	oks					
1. Const	umer Behavior, Schiffman, L. G. and Kanuk, L. L. Pearson.					
	i Shah & Alan D' Souza: Advertising & promotions an IMC Perspe	ective-				
	v Hill education					
	ge E Belch & Michael A Belch: Advertising and promotion- An inter	grated				
Marketing Communication Perspective-McGraw Hill Education						
Reference Books						
1. Chu Publishi	nawala & Sethia: Foundations of Advertising Theory & Practice; Hin	nalaya				
r uulisii		a				

2. Copley Paul: Marketing Communications Management Concepts & Theories, Cases and Practices; Butterworth Heinemann Publication.

	MBA SECOND YEAR				
<b>Course Code</b>	AMBABI0311	L	Т	Р	Credit
Course Title	ERP Modules	3	1	0	4
Course objectiv	re: Objective of this course is to:	Dur	ation:	40 H	ours
1 Impart know	vledge about Enterprise Resource Planning (ERP)				
2 Impart know	vledge of related technologies				
3 Impart know	vledge about implementation of ERP				
4 Analyze the	applications of ERP at operational levels				
5 Analyze the	applications of ERP at managerial practices				
Pre-requisites:					
	Course Contents / Syllabus				
UNIT-I	Introduction to ERP	8Ha	urs		
	rview of Enterprise Resources & Business Functions,			siness	Processes
-	s Management System; Information: Characteristics and				
	tem: Components of an Information System, Charact				-
•	ive Information System & Management Information				11
	d Structuring of Business Processes, Business Pr				
	ntegrated Enterprise Systems;	C			
UNIT-II	ERP Technologies	8 H	ours		
Enterprise Syste	ems and Enterprise Resources Planning (ERP): Ch	naracteristics o	f Ente	erprise	Systems
	ications and ERP, Evolution of ERP System, Benef			-	•
	Database & Data Warehouse, Data Mining, On-Lin				
Management Sys		•		0	
UNIT-III	ERP Modules	8 H	ours		
ERP Modules: F	Finance, Production planning, Sales & Distribution, H	Human resource	mana	igeme	nt (HRM)
	ol System, Quality Management, Cost Management, I			0	· · ·
Inventory Contro			FRP	~ -	ment, ER
•	Management and Customer Relationship Managemer	nt, CAQ & CIQ	$\cdot$ LIN	Solut	
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in Supply Chain markets and ERI	P Domains: Sector specific ERP Solutions, Introduction				ions in th
in Supply Chain	P Domains: Sector specific ERP Solutions, Introduction		eristics		ions in the
in Supply Chain markets and ERI and Oracle ERP. UNIT-IV	P Domains: Sector specific ERP Solutions, Introductio	on and Characte	vristics Durs	of SA	ions in the
in Supply Chain markets and ERI and Oracle ERP. UNIT-IV ERP and Value	P Domains: Sector specific ERP Solutions, Introductio	on and Characte <b>8 H</b> e s Value Chain	eristics ours Mode	of SA el), C	ions in th AP, BAAN ompetitiv
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in Supply Chain markets and ERI and Oracle ERP. <b>UNIT-IV</b> ERP and Value Advantages of E SOA Factors in	P Domains: Sector specific ERP Solutions, Introduction ERP Implementation e Chain: Impacts of ERP on Value Chain (Porter's ERP; Future Directions in ERP: New Trends in ERP,	on and Characters 8 He s Value Chain ERP to ERP I n of ERP Pack	ours Durs Mode I, ERP Tage, F	of SA el), C and o Project	ions in th AP, BAAN ompetitiv e-business c Planning
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CO2	Able to analyze the organizational readiness for ERP (Analyze) K4						
CO 3	Able to implement ERP in functional area of businesses and management	(Analyze) K4					
CO4	Interpreting the impacts of ERP on business processes	(Evaluate) K5					
CO5	Understanding the Market Trends in ERP applications	(Apply) K3					
Text Bo	oks						
1. E	ERP Demystified: Leon, Alexis (McGraw-Hill Education)						
2. 0	Concepts in Enterprise Resource Planning: Joseph, A. Brady, Ellen, F. M	onk and Wangner,					
F	Bret J. (Thomson Learning)						
3. E	ERP in practice – Vaman– TMH						
Reference Books							
1. I	1. Daniel E.O'Leary, Enterprise Resource Planning Systems, Cambridge University Press, 2002.						
	Ellen Monk, Bret Wagner, Concepts in Enterprise resource planning, Cengage learning, Third edition, 2009.						

	MBA SECOND YEAR						
Course Code	AMBABI0312	L	Т	Р	Credit		
Course Title	3	1	0	4			
Course objective	40 Ho	ours					
1 Introduce the	basic concepts of machine learning.						
	ng foundation of fundamental concepts in AI.						
3 Help students fields of Man	to learn the application of machine learning / AI algorithms in agement.	n diffe	erent				
	dent to apply these techniques in application which involve p	ercept	tion,				
reasoning and	Course Contents / Syllabus						
UNIT-I Fo	oundation of Machine Learning			<b>8 H</b> o	ours		
	roduction: Overview, Motivation, Definition & Functionaliti	ies. D	ata 8				
Discretization and Machine Learnin Feature Reduction	Computer and Human inspection), Inconsistent Data, Data Integration and Transformation. Data Reduction: -Data Cube Aggregation, Dimensionality reduction, Data Compression, Numerosity Reduction, Discretization and Concept hierarchy generation. <b>Machine Learning (ML)</b> ML Techniques overview Validation Techniques (Cross-Validations) Feature Reduction/Dimensionality reduction Principal components analysis (Eigen values, Eigen vectors,						
Orthogonality).				0.77			
	pervised Learning Techniques			8 Ho			
relevance, Mining Distance-Based A <b>Decision Trees</b> bias and variance	Definition, Data Generalization, Analytical Characterization Class comparisons, Statistical measures in large Databases, S Igorithms, Decision Tree-Based Algorithms. ID4C4.5 CARTBasic Ensembles methods – Bagging de- C5.0 boosting Random forest – Advanced Gradient Boos	Statist & boo	tical-B	ased A and its es.	Algorithms, s impact on		
	n-Supervised Learning Techniques			8 Ho			
<b>Clustering-</b> Distance measures Different clustering methods (Distance, Density, Hierarchical) Iterative distance-based clustering Dealing with continuous,categorical values in K-MeansConstructing a hierarchical cluster K-Medoids k-Mode and density-based clustering Measures of quality of clustering <b>Association Rule mining</b> The applications of Association Rule Mining: Market Basket Recommendation Engines, etc A mathematical model for association analysis Large item sets Association Rules Apriori-Constructs large item sets with mini sup by iterations Interestingness of discovered association rules Application examples Association analysis vs. classification FP-trees Machine Learning Applications across IndustriesHealthcare— RetailFinancial Services— Manufacturing—HospitalityCloud Based ML Offerings.							
	troduction of Artificial Intelligence			<b>8 H</b> o	ours		
Applications of A	hat is Artificial Intelligence (AI)Definitions, The Foundation rtificial Intelligence, Agents and Environments, The Concept the Structure of Agents, Problem Solving Agents, Compute	of Ra	tionali	ty, Th	e Nature of		
Possessing.	earching & Trends in Artificial Intelligence.			8 Ho			

**Introduction to Search** : Searching for solutions, Uniformed search strategies, Informed search strategies, Local search algorithms and optimistic problems, Adversarial Search, Search for games, Alpha - Beta pruning.

**Recent Trends**: Neural networks, Reinforcement learning, Emerging NN architectures -- Recurrent Neural Networks, Building recurrent Neural Networks, Long Short-Term Memory, Time Series Forecasting. AI in Cyber security, The Fusion of AI and IoT, Conversational AI& Expert System.

Course outcome: At the end of course, the student will be able to:						
CO1	Understand the concepts of data mining & machine learning	(Understand) K2				
CO2	CO2 Use different machine learning techniques to design AI Machine and enveloping applications for real world problems. (Apply) K3					
CO 3	Use non supervised learning techniques to design and solve AI Issues.	(Apply) K3				
CO4	Demonstrate fundamental understanding of artificial intelligence.	(Apply) K3				
CO5	Apply basic principles of AI in solution that require problem solving , knowledge presentation and learning.	(Create) K6				
Text Bo	oks					
	iawei Han MichelineKamber Jian Pei, "Data Mining: Concepts and Te Kaufmann.	echniques", Morgan				
2. A	Alex Berson, Stephen J. Smith "Data Warehousing, Data-Mining & OLAP", TM	Н				
3. I	Elaine Rich and Kevin Knight: Artificial Intelligence, Tata McGraw Hill					
Referen	ce Books					
	1. Artificial Intelligence: A Modern Approach. Stuart Russell, Peter Norvig, Pearson Education 2nd Edition.					
2. H	Elaine Rich and Kevin Knight: Artificial Intelligence, Tata McGraw Hill					
	Dan W.Patterson, Introduction to Artificial Intelligence and Expert Systems, Pren					
	4. David W Rolston: Principles of Artificial Intelligence and Expert System Development, McGraw Hill					

			MBA SECOND YEAR				
Course	Code	AMBA	ABI0313	L	Т	Р	Credit
Course	Title	Cloud	1	0	4		
Course	tion:40	) Hou	rs				
1	-		with the fundamentals and essentials of Cloud Computing.				
2	Enable	students t	o start using and adopting Cloud Computing services and too	ols in the	ir real li	fe scena	rios.
3			nportance of information management for a business organiz				
4			owledge on Big Data.				
			Course Contents / Syllabus				<u>.</u>
UNIT-I			Introduction to Cloud Computing			8 Hou	irs
Introduc	ction to C	Cloud Co	mputing – Definition of Cloud – Evolution of Clou	ud Con	nputing	– Unc	lerlying
			Distributed Computing –Cloud Characteristics – I				
-	Provisio				2		
UNIT-I		0	Cloud Architecture, Services and Storage.			8 Ho	urs
Layered	l Cloud A	Architect	ure Design – NIST Cloud Computing Reference	Archite	cture -	Publi	c, Private
and Hyl	orid Clou	ds – laa	S – PaaS – SaaS – Architectural Design Challenge	s – Clo	ud Sto	rage –	Storages-
			of Cloud Storage – Cloud Storage (Block Vs Obje				
– AWS		U			0 / /		
UNIT-I	II		Cloud Enabling Technologies			8 Hor	ırs
Service	Oriented	l Archite	cture – REST and Systems of Systems – Web Serv	vices-1	Publish	-Subsc	cribe Model
			- Types of Virtualization- Implementation Levels				
			Iechanisms – Virtualization of CPU – Memory – I				
			and Disaster Recovery				
UNIT-I			Resource Management and Security in Cloud			8 Hor	irs
		source N	Janagement – Resource Provisioning and Resource	urce Pr			
			ad Resources – Security Overview – Cloud Securit			-	
			ity Governance – Virtual Machine Security – IAM				
	•	- Secur			inty Su		
UNIT-V		Dia Data	Cloud technologies and Advancements		nn E	8 Hou	
		-	5 V's of Big Data & Hadoop – Virtual Box — Go App Engine — Open Stack – Federation in the Clo	-			
			Applications – Future of Federation. Research Tre				
			the end of course, the student will be able to:		Cioud	105 0	ompating.
Course	outcome	. Al	the end of course, the student will be able to.				
CO 1	Provide st	tudents w	th fundamentals and essentials of Cloud Computing.			(Unde	rstand) K2
CO 2			infrastructures by using IaaS Software, whit d applications by utilizing PaaS Software.	le also	D	(Create	e) K6
CO 3	Generat virtualiz		ideas and innovations in cloud computing	using	2	(Create	e) K6

CO 4	Gain knowledge about the security in Cloud Computing.	(Apply) K3
CO 5	Learn the application of recent Cloud Technologies	(Analyze) K4
Text b	poks	
1.	Kai Hwang, Geoffrey C. Fox, Jack G. Dongarra, "Distributed and Cloud Computing, From Internet of Things", Morgan Kaufmann Publishers, 2012.	Parallel Processing to the
2.	Rittinghouse, John W., and James F. Ransome, -Cloud Computing: Implementation, Manag Press, 2017	ement and Security, CRC
3.	. RajkumarBuyya, Christian Vecchiola, S. ThamaraiSelvi, -Mastering Cloud Computing, Tata	Mcgraw Hill, 2013.
4.	Toby Velte, Anthony Velte, Robert Elsenpeter, "Cloud Computing – A Practical Approach, Tat	a Mcgraw Hill, 2009
5.	George Reese, "Cloud Application Architectures: Building Applications and Infrastructure in Systems for EC2 and Beyond (Theory in Practice), O'Reilly, 2009.	the Cloud: Transactional
Refere	nce Books	
1.	Rhoton, John; Cloud Computing Explained: Implementation Handbook for Enterprises; Kindle	Edition
2.	Linthicum, David S.; Cloud Computing and SOA Convergence in your Enterprise: A StepbySte Information Technology Series	p Guide; Addison Wesley

<b>Course Code</b>	ΔM	BALS0312	L	Т	Р	Credit
Course Title		ply chain Planning and Demand Forecasting	<u>L</u> 3	0	0	3
		bjective of this course is to:	-	-	40 Ho	-
•		fundamental understanding about the planning in				
-		gies through demand forecasting.	Supp	ly Cha	III Iviaile	agement and
		Bree an onder an inter to reconstruid.				
<u>.</u>		Course Contents / Syllabus				
UNIT-I		Fundamentals of Supply Chain Planning				8 Hour
Introduction, r	neaning	g and Components of Supply Chain Planning, E	voluti	on Ma	nageme	ent and Lates
	-	in Management, Understanding Logistics and To			-	
Logistics Man	agemen	t. Introduction to Supply Chain Structures and	Suppl	y Chai	n Strat	egies. Suppl
Chain Operation	ons Refe	erence Model (SCOR), Case Studies and Latest U	pdate	es.		
						0.77
UNIT-II		Supply Chain Strategies				9 Hour
Process Driver Strategic Fit, S	s of Suj Supply	Chain Strategy, Stages and Performance Attri pply Chain Performance, Supply Chain Strategy Chain Strategy Performance Metrics, Supply Ch el, Case Studies and Latest Updates.	Matri	x, Con	cept of	Supply Chair
Process Driver Strategic Fit, S SCRM Maturi	s of Suj Supply	pply Chain Performance, Supply Chain Strategy Chain Strategy Performance Metrics, Supply Ch	Matri	x, Con	cept of	Supply Chair Management
Process Driver Strategic Fit, S SCRM Maturi UNIT-III The Concept o	s of Sup Supply by Mode	pply Chain Performance, Supply Chain Strategy Chain Strategy Performance Metrics, Supply Ch el, Case Studies and Latest Updates. Agility in Supply Chain and Lean Thinking y in Supply Chain. Agile Drivers and Practices in	Matrix ain S	k, Cond trategy	in-Joir	Supply Chai Managemen 7 Hour nt Decision,
Process Driver Strategic Fit, S SCRM Maturi UNIT-III The Concept o End Customer	s of Suj Supply by Mode f Agilit First, S	pply Chain Performance, Supply Chain Strategy Chain Strategy Performance Metrics, Supply Ch el, Case Studies and Latest Updates. <b>Agility in Supply Chain and Lean Thinking</b>	Matrix ain S Supp Supply	k, Cond trategy bly Chain	in- Joir	Supply Chain Management 7 Hour nt Decision,
Process Driver Strategic Fit, S SCRM Maturi UNIT-III The Concept o End Customer Lean Thinking	s of Suj Supply by Mode f Agilit First, S	<ul> <li>pply Chain Performance, Supply Chain Strategy Chain Strategy Performance Metrics, Supply Chel, Case Studies and Latest Updates.</li> <li>Agility in Supply Chain and Lean Thinking</li> <li>y in Supply Chain. Agile Drivers and Practices in hared Goal. Inter firm Planning and Control for Supply Chain Supply Ch</li></ul>	Matrix ain S Supp Supply	k, Cond trategy bly Chain	in- Joir	Supply Chair Management 7 Hour at Decision, cation of
Process Driver Strategic Fit, S SCRM Maturit UNIT-III The Concept o End Customer Lean Thinking UNIT-IV Components o the Demand Fo	s of Suj Supply by Mode f Agilit First, S to Bus f Dema precast, plemen	<ul> <li>pply Chain Performance, Supply Chain Strategy Chain Strategy Performance Metrics, Supply Chel, Case Studies and Latest Updates.</li> <li>Agility in Supply Chain and Lean Thinking</li> <li>y in Supply Chain. Agile Drivers and Practices in hared Goal. Inter firm Planning and Control for Stiness Processes and Supply Chain. Case Studies a</li> </ul>	Matrix ain S Supp Supply nd La , Dem	k, Cond trategy bly Cha v Chain atest Up nand Pl Supply	in- Joir a. Appli odate.	Supply Chain Management <b>7 Hour</b> Int Decision, cation of <b>9 Hour</b> Developing of
Process Driver Strategic Fit, S SCRM Maturi UNIT-III The Concept o End Customer Lean Thinking UNIT-IV Components o the Demand Fo Production, Im	s of Suj Supply by Mode f Agilit First, S to Bus f Dema precast, plemen	<ul> <li>pply Chain Performance, Supply Chain Strategy Chain Strategy Performance Metrics, Supply Chel, Case Studies and Latest Updates.</li> <li>Agility in Supply Chain and Lean Thinking</li> <li>y in Supply Chain. Agile Drivers and Practices in hared Goal. Inter firm Planning and Control for Siness Processes and Supply Chain. Case Studies a</li> <li>Demand Management in SCM</li> <li>nd Management, Formulating Demand Strategies Creating the Supply Plan, Balancing the Demand</li> </ul>	Matrix ain S Supp Supply nd La , Dem	k, Cond trategy bly Cha v Chain atest Up nand Pl Supply	in- Joir a. Appli odate.	Supply Chain Management <b>7 Hour</b> Int Decision, cation of <b>9 Hour</b> Developing of
Course outcome: At the end of course, the student will be able to:

CO1		
COI	Understand various fundamentals for effective Supply	Understanding (K2)
	Chain Planning.	
CO2	Analyse various risk involved in Supply Chain	Analysing (K4)
	•	Anarysing (R4)
	Management.	
CO3	Understand the concept of agility in supply chain and	Understanding (K2)
		Onderstanding (K2)
	application of lean thinking.	
CO4	Apply various techniques of planning and forecasting of	A polying $(V2)$
	demand in real world.	Applying (K3)
CO5	Understand the integration of the Supply Chain with	Understending (K2)
	business processes.	Understanding (K2)
Text B		1

- 3. Ross, D.F. Distribution Planning and Control- Managing in the Era of Supply Chain Management. Springer
- 4. Meredith, J. R., & Shafer, S. M. (2023). Operations and supply chain management for MBA. John Wiley & Sons.
- **5.** Foster, S. T., & Gardner, J. W. (2022). Managing quality: Integrating the supply chain. John Wiley & Sons.

#### **Reference Books:**

- 4. Ivanov, D., Tsipoulanidis, A., & Schönberger, J. (2019). Global supply chain and operations management: A decision-oriented introduction to the creation of value (Vol. 2). Cham, Switzerland: Springer International Publishing.
- 5. Leeman, J. J. (2020). Supply Chain Management: Fast, Flexible Supply Chain in Manufacturing and Retailing--. BoD–Books on Demand.
- 6. Phadnis, S. S., Sheffi, Y., & Caplice, C. (2022). Strategic Planning for Dynamic Supply Chains: Preparing for Uncertainty Using Scenarios. Palgrave Macmillan.
- 7. Rushton, A., Croucher, P., & Baker, P. (2022). The handbook of logistics and distribution management: Understanding the supply chain. Kogan Page Publishers.

#### Links:

- 1. <u>https://youtu.be/sWdmGcaTras</u>
- 2. <u>https://youtu.be/geadkAL5YwY</u>
- 3. https://youtu.be/Q35AsGJmCAM
- 4. <u>https://youtu.be/pQBOR8E3Sh4</u>

Course Code	AMBALS0311	L	Т	P	Credit
Course Title	Procurement and Vendor Development	3	0	0	3
Course Object	ive: Objective of this course is to:	Dur	ation:	40 Ho	urs
-	ve an understanding of domestic and international pr pply Chain Management.	rocureme	ent and	sourcin	ig strategies
	Course Contents / Syllabus				
UNIT-I	Framework of Procurement Management				8 Hours
Management, P Purchase Mana Budgets and E	Sourcing, Sourcing v/s Procurement, Introduction Purchasing Process, Purchasing Policies & Procedu- ager. Risks associated with purchasing process a xpense Allocation, Make or buy decision. Types a purchase, Case Studies.	res, 8 R ind its 1	's of P nitigati	urchasi on, Pla	ng, Role of a acing Orders
Fundamental Social Negotiation in Auctions, Over Documentation	Buying Process teps of the Buying Process, Terms and Condition o Procurement, Use of IT in Sourcing, Global Terview of Global Purchasing, Case Studies. Terms a Negotiation in Procurement, Use of IT in Severse Auctions, Overview of Global Purchasing, Case Studies (Case Studies).	nders an and Con Sourcing,	d E-Pi dition Glob	ocuren of Purc al Ten	ocumentation, nent, Reverse hase, Buying ders and E-
Negotiation in Auctions, Over Documentation	teps of the Buying Process, Terms and Condition o Procurement, Use of IT in Sourcing, Global Terview of Global Purchasing, Case Studies. Terms a	nders an and Con Sourcing,	d E-Pi dition Glob	ocuren of Purc al Ten	nent, Reverse hase, Buying ders and E-
Fundamental Sourcing, Key S	teps of the Buying Process, Terms and Condition o Procurement, Use of IT in Sourcing, Global Terview of Global Purchasing, Case Studies. Terms a , Negotiation in Procurement, Use of IT in S everse Auctions, Overview of Global Purchasing, Ca	nders an and Con Sourcing, ase Studi quality n . Rationa cess, Ma	d E-Pr dition Glob es and nanager lization	rocuren of Purc al Ten Latest ment: V n and oj Qualit	Decumentation, nent, Reverse thase, Buying ders and E- Updates. <b>7 Hours</b> Vendor ptimization: y in
Fundamental Solution in Auctions, Over Documentation Procurement, R UNIT-III Vendor Selection management an Creating a mana Sourcing, Key Solution Promoting SME	teps of the Buying Process, Terms and Condition o Procurement, Use of IT in Sourcing, Global Ter- view of Global Purchasing, Case Studies. Terms a , Negotiation in Procurement, Use of IT in S everse Auctions, Overview of Global Purchasing, Ca Vendor Selection on Process, Evaluation of Existing Vendors, Vendor d development – Vendor performance measurement. ageable supply base., New Vendor Development Pro Supplier Account Management, Vendor Relationship	nders an and Con Sourcing, ase Studi quality n . Rationa cess, Ma o Develop <b>rement</b>	d E-Pi dition Glob es and nanager lization naging pment,	nent: V Qualit	ocumentation, nent, Reverse chase, Buying ders and E- Updates. 7 Hours Vendor ptimization: y in r Monitoring, 9 Hours

Course	Course outcome: At the end of course, the student will be able to:					
CO1	Understand the framework of procurement for SCM	Understanding (K2)				
CO2	Understand the buying process and documentation required for effective SCM	Understanding (K2)				
CO3	Apply vendor selection processes in SCM and Logistics	Applying (K3)				
CO4	Apply techniques of inventory management with procurement	Applying (K3)				
CO5	Analyse different issues and best practices for global procurement	Analysing (K4)				
Text b	ooks	•				

1. Sollish, F. and Semanch, J. Strategic Global Sourcing: Best Practices. Wiley Publications

2. Chopra and Miendl. Supply Chain Management: Strategy, planning and operation. Pearson Books

### **Reference Books**

1. Gordon. S. R. Supplier Evaluation and Performance Excellence: A Guide to Meaningful Metrics and Successful Results.

- 2. Sahay B.S. *Emerging Issues in Supply Chain Management*. McMillan
- 3. Harrison A. Logistics Management and Strategy. Pearson

Links:

https://youtu.be/Hsq-oqlLP0A https://youtu.be/2v19C\_BTYdE https://youtu.be/a2n10AbEwxg

Course Code	AMBALS0313	L	Т	P	Credit
Course Title	Warehouse and Distribution Management	3	0	0	3
Course Objecti	ve: Objective of this course is to:	Dui	ration:	40 Ho	urs
	ovide in-depth understanding of Warehouse Mana y Chain with basic understanding of various mode				
	Course Contents / Syllabu	s			
UNIT-I	Warehouse Management				8 Hours
Services, Devel	Varehousing and Warehousing Functions, Types of oping Warehouse Strategies Order Picking and house, Warehouse Layout & Automation.		-		
UNIT-II	Warehouse Management Process				8 Hours
Methods, Select	busing, Return on Investment, Traditional vs Activing appropriate Performance Measures, Integrated card, Health and Safety issues in Warehousing.	•		0 0	0 0
UNIT-IV	Distribution Management				8 Hours
Distribution Eur	nction, Basic Supply Chain Distribution Formats, A	ctions of D	istribu	tion Cha	annels,
Formats, Role o Transaction Flo	ws, Inventory Flows, Substituting Information for	j.			
Formats, Role o	-				8 Hours

Course	outcome: At the end of course, the student will be abl	e to:
CO1	Analyze the need for warehouses and its applications with real world problems	Analyze (K4)
CO3	Implement Processes for Effective Warehouse Management and Aligning it with SCM Strategy	Apply (K3)
CO3	Evaluate the Cost and Performance Factors in Warehouse Management.	Evaluate (K5)
CO4	Analyze various Distribution Management Channels for Effective SCM and Logistics	Analyze (K4)
CO5	Analyze the requirement and useof Various Modes of Transportations	Analyze (K4)
Text bo	ooks	
1. ]	Ross, D. F. (2019) Distribution Planning and Control Ma	naging in the Era of Supply Chain
]	Management.Springer	
	RichardG. (2018) Warehouse Management: A Complete Gui Minimizing Costs in the Modern Warehouse. Kogan Press	de to Improving Efficiency and
Referer	nce Books	
	Bowersox, D. J. &Closs D. J. (2019). Logistical Managemen Ltd	t. Tata McGraw Hill Publishing Co.
2.	Waters, D. (2020) : Logistics. Palgrave Macmillan	
Links:		
https://	www.youtube.com/watch?v=IMPbKVb8y8s	
https://	supplychainhandbook.jsi.com/wp-	
<u>content</u>	/uploads/2017/01/JSI_Supply_Chain_Manager's_Handbo	<u>ook_Chpt.8_Final.pdf</u>

	Course Name: MBA Second Year/Sem	ester 3			
Course Code	AMBABA0312	L	Т	Р	Credit
Course Title	Introduction to Data Science	3	0	0	3
<b>Course Objecti</b>	ve: Objective of this course is to:	Dur	ation:	40 Ho	urs
Science also h	bjective of this course is to make students understand ce, various types of data and ways to handle data in d elp in giving the overview of data mining and data w earn and execute exploratory data analysis.	ifferent	format	ts. This	course will
I	Course Contents / Syllabus				
UNIT-I	Overview of Data Science				8 Hours
Security Issues Ecosystem, App Netflix.	ion and Future of Data Science. Data Science Too Analysis Vs Analytics Vs Reporting. Big Data plications of Data Science in various fields Use	a-Mean	ing, th	ie 5 V	7's, Big Data Imart, Airbus,
UNIT-II	Data Handling				8 Hours
I JPCD OI adda			ork da	ta spat	ial data. Data
Classification, D UNIT-III Meaning, need a	structured, unstructured, categorical, numeric, soci         Data Manipulation in different formats.         Data Mining         and forms of Data Pre-processing, understanding and         leaning - handling missing data, outliers, Data Integration	extracti	ng use	ful vari	8 Hours
Classification, D UNIT-III Meaning, need a Process. Data C	Data Manipulation in different formats.           Data Mining           and forms of Data Pre-processing, understanding and	extracti	ng use	ful vari	8 Hours
Classification, E UNIT-III Meaning, need a Process. Data Cl Reduction. UNIT-IV Principal Compe Univariate and N	Data Mining         und forms of Data Pre-processing, understanding and leaning - handling missing data, outliers, Data Integrational Data Pre-processing (PCA), Factor Analysis (FA) and Lin Multivariate Exploratory Data Analysis.	extracti	ng use d Tran	ful vari	8 Hours iables, KDD tion, Data 8 Hours nalysis (LDA),
Classification, D UNIT-III Meaning, need a Process. Data Cl Reduction. UNIT-IV Principal Compo	Data Mining         und forms of Data Pre-processing, understanding and leaning - handling missing data, outliers, Data Integration         Exploratory Data Analysis         onent Analysis (PCA), Factor Analysis (FA) and Linear Analysis (FA) and Linear Analysis (FA)	extracti	ng use d Tran	ful vari	8 Hours ables, KDD tion, Data 8 Hours
Classification, D UNIT-III Meaning, need a Process. Data Cl Reduction. UNIT-IV Principal Comp Univariate and N UNIT-V Bar plot, Plottin 3D pie chart,	Data Mining         Ind forms of Data Pre-processing, understanding and leaning - handling missing data, outliers, Data Integration         Exploratory Data Analysis         Onent Analysis (PCA), Factor Analysis (FA) and Lin Multivariate Exploratory Data Analysis.         Data Visualisation         g categorical data, Stacked bar plot, Histogram, plot Scatter plot, Box plot, Heat Map, Mosaic Map, Q plots, Visualization of Geospatial Data.	extracti tion and near Dis () funct Map	ng use d Tran scrimir	ful vari sformat nant An	8 Hours iables, KDD tion, Data 8 Hours halysis (LDA), 8 Hours
Classification, E UNIT-III Meaning, need a Process. Data Cl Reduction. UNIT-IV Principal Comp Univariate and N UNIT-V Bar plot, Plottin 3D pie chart, Correlogram, Q- CO1	Data Mining         und forms of Data Pre-processing, understanding and leaning - handling missing data, outliers, Data Integra         Exploratory Data Analysis         onent Analysis (PCA), Factor Analysis (FA) and Lin Multivariate Exploratory Data Analysis.         Data Visualisation         g categorical data, Stacked bar plot, Histogram, plot Scatter plot, Box plot, Heat Map, Mosaic Map, Q plots, Visualization of Geospatial Data.         e:       At the end of course, the student will be able	extracti tion and near Dis () funct Map	ng use d Tran scrimir ion and Visual	ful vari sformation nant An	8 Hours iables, KDD tion, Data 8 Hours halysis (LDA), 8 Hours
Classification, E UNIT-III Meaning, need a Process. Data Cl Reduction. UNIT-IV Principal Comp Univariate and N UNIT-V Bar plot, Plottin 3D pie chart, Correlogram, Q- Course outcom CO1 Unders CO2	Data Mining         Ind forms of Data Pre-processing, understanding and leaning - handling missing data, outliers, Data Integration         Exploratory Data Analysis         Onent Analysis (PCA), Factor Analysis (FA) and Lin Multivariate Exploratory Data Analysis.         Data Visualisation         g categorical data, Stacked bar plot, Histogram, plot Scatter plot, Box plot, Heat Map, Mosaic Map, Q plots, Visualization of Geospatial Data.	extracti tion and near Dis () funct Map	ng use d Tran scrimir ion and Visual	ful vari sformation nant An d line p ization	8 Hours iables, KDD tion, Data 8 Hours halysis (LDA), 8 Hours

	related concepts.	
CO3	Apply data pre-processing techniques to clean the data.	Apply (K3)
CO4	Analyse and evaluate data using exploratory data analysis.	Evaluate (K5)
CO5	Understand and apply the data visualization techniques.	Apply (K3)
Text bo	oks	

Text books

1. Fan, J., Li, R., Zhang, C. H., & Zou, H. (2020). Statistical foundations of data science. CRC press.

2. Van Der Aalst, W. (2016). Process mining: data science in action (Vol. 2). Heidelberg: Springer

### **Reference Books**

1. Igual, L., Seguí, S., Igual, L., & Seguí, S. (2017). Introduction to data science (pp. 1-4). Springer International Publishing.

2. Cielen, D., & Meysman, A. (2016). Introducing data science: big data, machine learning, and more, using Python tools. Simon and Schuster.

3. Kotu, V., & Deshpande, B. (2018). Data science: concepts and practice. Morgan Kaufmann.

# Links:

1. <u>https://www.youtube.com/watch?v=X3paOmcrTjQ</u>

2. <u>https://www.youtube.com/watch?v=QiqZliDXCCg</u>

3. <u>https://www.youtube.com/watch?v=BiGd8y5XB-Y</u>

		C	ourse Name: MBA Second	d Year /Seme	ster 3			
Course Co	ode	AMBABA	)311		L	Т	Р	Credit
Course Ti	itle	<b>Business Ir</b>	telligence and Data Ware	housing	3	0	0	3
Course O	bjectiv	e: Objectiv	e of this course is to:		Dur	ation:	40 Ho	ırs
			this course is to make st usiness Intelligence making					
			Course Contents /	Syllabus				
UNIT-I		Intro	duction to BI and Data Wa	Ŧ				8 Hour
Framewor	k and	Architectur	ligence (BI), Evolution of es. Data Warehousing (DV Role of DSS, EIS, MIS and	W) and Corp				
UNIT-II		Digita	nl Data					8 Hour
Unstructur data. Sour structured	red Data rces of data, X	a, Extraction Semi Strue ML as a sol	d Data, Managing and stor of information from unstructured Data. Managing, St ution for Semi-structured da	ictured data, U oring and ext	JIM A	rchite	cture fo	r unstructured n from semi-
Unstructur data. Sour structured UNIT-III OLTP Adv Two Dime	red Data rces of data, X vantage	a, Extraction Semi Struc ML as a sol OLAI es, challenge l and Three-	n of information from unstructured Data. Managing, St	OLAP, Dimen	JIM A tractin sions	of Dat	a -One P, ROL	r unstructured n from semi <b>8 Hour</b> Dimensional, AP, HOLAP,
Unstructur data. Sour structured UNIT-III OLTP Adv Two Dime OLAP ver	red Data rces of data, X vantage ensional sus OL	a, Extraction Semi Struc ML as a sol OLAI es, challenge l and Three- TP, Data M	n of information from unstructured Data. Managing, St ution for Semi-structured da P and OLTP s, Shortcomings of OLTP. O Dimensional Data, Beyond	OLAP, Dimen OLAP Operat	JIM A tractin sions	of Dat	a -One P, ROL	r unstructured n from semi- <b>8 Hour</b> Dimensional, AP, HOLAP,
Unstructur data. Sour structured UNIT-III OLTP Adv Two Dime OLAP ver Slicing, Di	red Data rces of data, X vantage ensional sus OL icing, R	a, Extraction Semi Struc IML as a sol OLAI es, challenge l and Three- TP, Data Me Roll Up, Dril	n of information from unstructured Data. Managing, St ution for Semi-structured da P and OLTP s, Shortcomings of OLTP. O Dimensional Data, Beyond odels for OLAP and OLTP,	OLAP, Dimen OLAP Operat	JIM A tractin sions	of Dat	a -One P, ROL	r unstructured n from semi- <b>8 Hour</b> Dimensional, AP, HOLAP,
Unstructur data. Sour structured UNIT-III OLTP Adv Two Dime OLAP ver Slicing, Di UNIT-IV Data Mart Warehouse	vantage ensiona sus OL icing, R , ODS, e, Data n, needs	a, Extraction Semi Struct (ML as a sole <b>OLAI</b> es, challenge l and Three- TP, Data Me Roll Up, Dril <b>Data</b> Kimball's a Sources for s and advant	n of information from unstructured Data. Managing, St ution for Semi-structured da P and OLTP s, Shortcomings of OLTP. O Dimensional Data, Beyond odels for OLAP and OLTP, l Down, Drill Across, Drill	DLAP, Dimen Third Dimens OLAP Operat Through.	JIM A tractin sions ion, N tions o ware ta stag	of Dat Of Dat Of Dat On mul	a -One P, ROL ti-dime g, Goal	r unstructured n from semi- <b>8 Hour</b> Dimensional, AP, HOLAP, nsional data: <b>8 Hour</b> s of Data hes to Data
Unstructur data. Sour structured UNIT-III OLTP Adv Two Dime OLAP ver Slicing, Di UNIT-IV Data Mart Warehouse integration	vantage ensiona sus OL icing, R , ODS, e, Data n, needs	a, Extraction Semi Struct (ML as a sole <b>OLAI</b> es, challenge l and Three- TP, Data Me Roll Up, Dril <b>Data</b> Kimball's a Sources for and advant filing.	n of information from unstructured Data. Managing, Stution for Semi-structured da <b>P and OLTP</b> s, Shortcomings of OLTP. O Dimensional Data, Beyond odels for OLAP and OLTP, l Down, Drill Across, Drill <b>Integration</b> pproach versus Inmon's app Data Warehouse, ETL, Dat	DLAP, Dimen Third Dimens OLAP Operat Through.	JIM A tractin sions ion, N tions o ware ta stag	of Dat Of Dat Of Dat On mul	a -One P, ROL ti-dime g, Goal	r unstructured n from semi <b>8 Hour</b> Dimensional, AP, HOLAP, nsional data: <b>8 Hour</b> s of Data hes to Data
Unstructur data. Sour structured UNIT-III OLTP Ady Two Dime OLAP ver Slicing, Di UNIT-IV Data Mart Warehouse integratior quality, Da UNIT-V Entity, A Normaliza Types, Sta	red Data rces of data, X vantage ensional rsus OL icing, R , ODS, e, Data n, needs ata Prof attribute attribute at and	a, Extraction Semi Struct (ML as a sole of OLAI es, challenge l and Three- TP, Data Me Roll Up, Dril <b>Data</b> Kimball's a Sources for s and advant filing. <b>Multi</b> e, Cardinali nodelling, D Snowflake	n of information from unstructured Data. Managing, Stution for Semi-structured da <b>P and OLTP</b> s, Shortcomings of OLTP. O Dimensional Data, Beyond odels for OLAP and OLTP, l Down, Drill Across, Drill <b>Integration</b> pproach versus Inmon's app Data Warehouse, ETL, Dat ages, Data Integration Techn	DLAP, Dimen Third Dimens OLAP Operat Third Dimens OLAP Operat Through. Droach to Data a mapping, da nologies, Data	JIM A tractin sions ion, N tions o ware ta stag Qual data mensio	of Dat of Dat IOLA on mul housin ging, A ity, ma mod on Ta	a -One P, ROL ti-dime g, Goal Approac aintainin	r unstructured n from semi <b>8 Hour</b> Dimensional, AP, HOLAP, nsional data: <b>8 Hour</b> s of Data hes to Data hes to Data ng data <b>8 Hour</b> /sical model erarchies and

Text ho	olza	
CO5	Designing the multi-dimensional model using Excel.	Creating (K6)
CO4	Apply the data integration approaches in decision- making.	Applying (K3)
CO3	Apply the OLTP and OLAP-related concepts.	Applying (K3)
CO2	Analyzing the various forms of digital data.	Analyzing (K4)
CO1	Understand the basic concepts of Business Intelligence and Data Warehousing.	Understanding (K2)

Text books

1. Collier, K. (2012). Agile analytics: A value-driven approach to business intelligence and data warehousing. Addison-Wesley.

2. Olszak, C. M. (2020). Business intelligence and big data: Drivers of organizational success. CRC press.

# **Reference Books**

1. Sabherwal, R., & Becerra-Fernandez, I. (2013). Business intelligence: Practices, technologies, and management. John Wiley & Sons.

2. Dietrich, B. L., Plachy, E. C., & Norton, M. F. (2014). Analytics across the enterprise: How IBM realizes business value from big data and analytics. IBM Press.

# Link

1. https://www.sciencedirect.com/science/article/pii/S1672022921001637

2. https://www.emerald.com/insight/content/doi/10.1108/EMJB-01-2022-0011/full/html

3. https://www.youtube.com/watch?v=lJ1SbMWFpGs

4. <u>https://www.youtube.com/watch?v=dRG5JP6zxck</u>

Course Code	<b>T</b>	ar/Semester 3		ı	
	AMBABA0313	L	Τ	Р	Credit
Course Title	Predictive Analytics	3	0	0	3
	ve: Objective of this course is to:			40 Ho	
predic	bbjective of this course is to make student ctive analytics and also make student able to e them to apply predive analytics techniques.	o make predicti			-
	Course Contents / Syl	llabus			
UNIT-I	<b>Overview of Predictive Analytics</b>				6 Hour
CRISP-DM.	Data Understanding				7 Hour
	standing- categorical, continuous, flag, Bo	-	. Mea	n, med	ian, standar
	standing- categorical, continuous, flag, Be al distribution, variable summary, data visual	-	. Mea	n, med	ian, standar
UNIT-III	Data Preparation				
					8 Hour
	ng, Data Audit, Data Cleaning: Missing Value ression, Inconsistent Data, Data Integration a	•	•	an netw	
Clustering, Reg		•	•	an netw	8 Hour ork. Binning 8 Hour
Clustering, Regr UNIT-IV Partitioning The Regression, K N	ression, Inconsistent Data, Data Integration a	nd Transformat	ion.	Tree, Lo	ork. Binning <b>8 Hour</b> ogistic
Clustering, Regr UNIT-IV Partitioning The Regression, K N	Modelling and Deployment • Data - Training, Validation & Testing, Modelling North Rearest Neighbour, Naïve Bayes, SVM, Neura	nd Transformat el selection- De al Network. Ger	ion.	Tree, Lo	ork. Binning <b>8 Hour</b> ogistic

Course	Course outcome: At the end of course, the student will be able to:				
CO1	Understand the concept of predictive analytics.	Understanding (K2)			
CO2	Understand and comprehend the data summary.	Applying (K3)			
CO3	Apply data preparation techniques.	Applying (K3)			
CO4	Develop and deploy a predictive model for a given problem.	Creating (K6)			
CO5	Analyze the forecasting and time series analysis functions and models.	Analyze (K4)			
Text b	ooks	•			

1. Larose, D. T. (2015). Data mining and predictive analytics. John Wiley & Sons.

2. Siegel, E. (2013). Predictive analytics: The power to predict who will click, buy, lie, or die. John Wiley & Sons.

3. Kuhn, M., & Johnson, K. (2013). Applied predictive modeling (Vol. 26, p. 13). New York: Springer.

# **Reference Books**

1. McCarthy, R. V., McCarthy, M. M., Ceccucci, W., Halawi, L., McCarthy, R. V., McCarthy, M. M.,

... & Halawi, L. (2022). Applying predictive analytics (pp. 89-121). Springer International Publishing.

2. Miller, T. W. (2015). Modeling techniques in predictive analytics: business problems and solutions with R. Pearson Education.

# Link

1. <u>https://www.youtube.com/watch?v=4y6fUC56KPw</u>

2. <u>https://www.youtube.com/watch?v=reUZRyXxUs4</u>

3. <u>https://www.youtube.com/watch?v=Q2AFVafpRJA</u>

4. <u>https://www.youtube.com/watch?v=yN7ypxC7838</u>

MBA SECOND YEAR				
Course Code AMBA0401	L	Т	Р	Credit
Course Title Project Management	3	0	0	3
Course objective: Objective of this course is to:	Dura	tion: 3	36 Hou	rs
1 To empower the students to get insights of basic concepts on pr	oject ma	inagen	nent.	
2 To create awareness on the roles and responsibilities of project	manager			
3 To build the confident among the students to take up any kind of projects.				
4 To sharpen the planning, scheduling and controlling skills of the respect to individual projects.	e studen	ts with	L	
5 To understand the perspectives in which optimum decisions are	e to be ta	ken in	case of	
risks with planned activities in project.				
Pre-requisites: Fundamentals of Accounting, and Financial Managme	ent			
Course Contents / Syllabus				
UNIT-I Introduction of Project			06	Hours
Projects – Definition and Objectives – Project Management Vs General M Responsibilities of Project Manager – Selection of Project Manager – Sele Project Life Cycle. Project Team and Scope of Project Management: Char Project Leader, Project Organization, and Importance of Project Managen	ection of acteristi	Projec cs of a	ts – Un Project	derstandin
JNIT-II Project Identification & Selection			1	Hours
Selection, Project Rating Index. Market & Demand Analysis Techniques: Methods. Project Risk Management: Concepts and Types of Project Risks Analysis, Risks Mitigation Strategies. <b>Case Studies</b>				
UNIT-III Budgeting the Project			08	Hours
Fundamental components of Project Cost, Types of Costs: Direct, Indirect Fixed, Variable, Normal, Expedite costs Methods of budgeting – Project cost Estimates – Budget uncertainty and risk management – Scheduling the pro- illocation and loading – Social Cost Benefit Analysis (SCBA) of Project: Approaches to SCBA. <b>Case Studies</b>	ost estin ject – G	nation antt ch	– Impro art – Re	oving cost esource
JNIT-IV         Project Scheduling and Network Analysis			08	Hours
Steps in Project Scheduling and Network design, Gantt Chart, Work Break Responsibility Assignment Matrix. Project Network Design: Identifying to on Arrow (AoA) and Activities on Node (AoN) methods, Introduction to Projects. <b>Case Studies</b>	he Node	s and A	Activitie I, Crasl	es, Activity ning in
UNIT-V         Monitoring and controlling the project	_			Iours
Monitoring the project – Control cycle – Project control – Designing the coroject: Milestone Analysis and Tracking Gantt chart. Earned Value Anal Earned Value (EV), Cost Variance (CV), Schedule Variance (SV), Cost performance Index (SPI) – Project auditing – Project termination: Types of Fermination Process. <b>Case Studies</b>	ysis (EV erformar	A): Plance Ind	anned V lex (CP	value (PV), I), Schedul
Course outcome: At the end of course, the student will be able to:				

CO 1	Understand the basic concepts and characteristics of Project and Project manager, management	Understanding (K2)
CO 2	Understand the roles and responsibilities along with tools & techniques used in Project management	Evaluating (K5)
CO 3	Develop confident to take up any kind of projects	Evaluating (K5)
CO 4	Students will understand the scheduling and monitoring process in Project. They will be able to apply PERT and CPM method for project scheduling	Applying (K3)
CO 5	Students will understand the perspectives in which optimum decisions are to be taken in case of risks with planned activities in project	Creating (K6)
Text boo	oks	
1. 2. – Core	Project Management- A Managerial Approach: Jack R. Meredith Broyhill Samuel J. M Samuel J. Mantel, Jr, Jack R. Meredith, Scott M. Shafer, Margaret M. Sutton, M.R. Go e Textbook" First Indian Edition (2006), Wiley India publication, 2011.	• • •
Referen	ce Books	
1.	Project- Preparation, Appraisal, Budgeting and Implementation: Chandra Prasanna - (7)	ГМН)
2.	Clifford Gray, Erik Larson and Gautam Desai, Project Management, The Managerial F	Process, 4th edition, Tata
	aw Hill 2012 Devicest Management Cons Taxt Back & M.B. Conslan (Wiley)	
3.	Project Management Core Text Book : M R Gopalan (Wiley)	
4.	Quantitative Techniques in Management : N D Vohra (TMH)	

		MBA SECOND YEAR				
Cour	se Code	AMBA0459	L	Т	Р	Credit
Cour	se Title	Research Project Report	0	0	6	3
Cour	se objecti	ve: Objective of this project is to:	Dura	tion: 2	20 Con	tact Hours
1	Educate r	egarding research designs and the research process.				
2		the ability to analyze research reports (from scholarly article ns, and format the article's bibliographic citation using correct APA			key poi	nts, cite the
3	Help the sample co	students to develop and present the design of data collection and a ollected	ability to	o interp	ret the da	ata as per the
4	Compre	hend and apply various statistical tools for data analysis	and its	interp	retation	1.

**Research Project Report (RPR) In fourth semester**, the candidates will have to submit a Research Project Report on a problem/topic (from the specialization areas) to be assigned by the MBA department under the supervision of a core faculty member of the department.

- The Research Project Report will carry 200 marks.
- The evaluation of the project report will be done by **two** examiners (external & internal).
- The evaluation will consist of (1) Evaluation of Project Report (2) Presentation and Viva Voce.
- The evaluation of Project Report will comprise of 100 marks and would be evaluated by the internal guide.
- The evaluation of Viva Voce of Project would comprise of 100 marks and would be evaluated by two examiners (1 external and 1 internal).

The average of the marks awarded by the 2 examiners during the End Semester Viva voce will be taken into account for the results.

The report will contain:

- The objectives and scope of the study.
- Research Methodology,
- Use and importance of the study,
- Analysis of data collected, Findings and interpretation,
- Conclusions and recommendations.
- Satisfactory completion of minimum 1 'Research Publication' in a listed Journal is mandatory for award of degree.
- It will contain relevant charts, diagrams and bibliography.

A certificate of the supervisor and the Head of the MBA program certifying the authenticity of the report shall be attached therewith.

The student will submit two copies of the report to the Head of MBA program. The number of pages in the report will be minimum 75 or more. The report should be typed in A-4 size paper.

The scheme of evaluation for **Research Project Report** are as follows:

#### **Criteria: Internal 100 Marks**

- Relevance of Objectives with topic (20)
- Relevance of Research Methodology(20)
- Interpretation & Analysis (20)
- Project Report (20)
- Paper Publication in Journal of Repute (20)

#### The scheme of evaluation of **Viva voce Criteria: External 100 Marks**

- Understanding of Objectives with topic (20)
- Understanding of the relevance of Research (20)

• 1	nterpretation & Analysis (20)	
	Presentation & Communication skills (20)	
	Query Handling (20)	
REPOR	<b>RT STRUCTURE</b>	
Front Pa	0	
Underta	king Certificate	
Acknow	ledgement	
Abstract	t	
List of C	Contents	
List of F	Figures	
List of T	Tables	
Chapter	1: Introduction- Objective of the study	
1.1	. Problem Definition	
1.2	. Overview of the Proposed Approach	
1.3	. Motivation behind the Proposed Approach	
1.4	. Organization of the Report	
Chapter	2: Literature Review	
Chapter	3: Research Methodology	
Chapter	4: Data Analysis and Interpretation	
Chapter	5: Findings, Recommendation and Conclusion	
Referen	ces	
Append	ix (Attach Research Paper with front page of the Journal in which	it is Published)
Course	outcome: At the end of course, the student will be able	
CO 1	The student will demonstrate cognitive knowledge of research designs and the research process in general.	Understanding (K2)
CO 2	The student will demonstrate the ability to analyze research reports (from scholarly articles) synthesize key points, cite the conclusions, and format the article's bibliographic citation using correct APA format.	Evaluating (K5)
CO 3	The student will be able to design an original research project, including an instrument for data collection, achieving a level of proficiency according to the assessment rubrics provided for each section of the proposal.	Creating (K6)
CO 4	The student will be able to defend his project with clarity in presentation and analysis.	Analyze(K4), Creating (K6)
Text bo		
	Malhotra Naresh K.: Marketing Research: An Applied Orientation (Pearson, 7th Kothari C.R., Garg Gaurav.: Research Methodology-Methods and Techniques Bryman Alan, Bell Emma, & Harley Bill: Business Research Methods (Oxford 1	

			MBA SECOND YEAR				
Course	Code	AMB	AFM0411	L	Т	Р	Credit
Course	Title	Finan	cial Modeling	3	1	0	4
Course	objectiv	e: Obje	ctive of this course is to:	Dura	tion:	40 Ho	urs
1	Equip the	e student	with the knowledge of valuation in firm.				
2	-		y to use MS Excel for financial modeling through variou				
3	Make the	e students	capable of conducting financial statement analysis indep	pendently.			
4	Develo ratio an	-	bility for assessing and forecasting project rec	quirement	and co	onduct	ing
5	Conduc	et the eq	uity research modeling for investment				
Pre-req	uisites: F	Knowle	lge of Financial statement analysis, Basic MS-I	Excel, Fina	ncial r	narket	S
			<b>Course Contents / Syllabus</b>				
UNIT-I			Valuation				Hours: 8
transacti	ons, Dis 1 flow, Fe	counted	Transactions Analysis:Selecting comparable to Cash Flow (DCF) analysis:Understanding un ng terminal value, Present value and discountin Basic Excel for Financial Modeling	nlevered fr	-		
Formatti	ng of Ex	cel She	ets, Use of Excel Formula Function, Data Fil	ter and So	rt. Ch	arts an	d Graphs.
			rio building, Lookups: Vlookup Match & offse ata Tables.	et, pivot tal	bles. P	ortfoli	o Models,
UNIT-I	Π		Financial Statement Analysis				Hours: 8
statemer schedule	it, Projec , Revolv	ting the	al Statement Analysis Financial Reporting e balance sheet, Projecting the cash flow state eling, Financial Statement Application				ot and interes
UNIT-I			Financial Ratios & Project Finance				Hours: 8
report or	n an indu	stry. Pr	tes, Dupont Analysis, Peer to peer analysis, Project evaluation; stage of project; construction & phase; Cash flow waterfall	1			•
UNIT-V	7		Equity Research Modeling				Hours: 8
Introduc		quity A	nalysis & Investing Evaluating Business Mode	l & Indust	•	•	DE Analysia
			reening Stocks for investment: Cloning & Fil f Investment.	ters, Impa	ct of c	corpora	•
financial		ology o			ct of c	corpora	•
financia	outcome	ology o : A	f Investment.				ate actions or
financial Course	understa firms.	ology o : A nd and a the MS	f Investment.	):	nd (K1		ate actions or

CO 4	Project &evaluate the requirements in managing the projects.	Analyse (K4), Evaluate (K6)
CO 5	Apply & use various tools and models for equity research.	Apply (K3)
Text boo	oks	
1.	Sengupta C, Financial Analysis and Modeling using Excel and VBA, W	'iley, 2nd Ed
2. Corpo	Thomas S Y Ho & Sang Bin Lee, The Oxford Guide to Financial Morate Finance, Risk Management and Financial Institutions, Oxford Univers	
Referen	ce Books	-
2.	Bodmer E, Corporate and Project Finance Modeling: Theory and Practic	ce (Wiley Finance)
3. 3 <sup>rd</sup> Ed	Swan J, Practical Financial Modelling: The Development and Audit of	Cash Flow Models, Butterworth-Heinemann,

		MBA	SECOND YEAR				
Course	e Code	AMBAFM0412		L	Т	Р	Credit
Course	e Title	Working Capital Managem	ent	3	1	0	4
Course	e objective	: Objective of this course is		Dura	tion:	40 Ho	urs
1	Have a bas	c understanding of working capital	and assessing its requirement.				
2	Learn how	o manage cash and other liquid asso	ets.				
3	Learn and a	pply efficient techniques to manage	and utilize the inventories.				
4	Develop	clear understanding and prac	ticing regarding receivab	les of the o	rganiz	ation.	
5	Make the	student equip with the know	ledge of financing the wo	orking capi	ital fro	m diff	ferent
	financing						
Pre-ree	quisites: S	tudent should have knowledge		cial manag	ement		
			Contents / Syllabus				
UNIT-		Introduction to Working Capita					Hours:8
	-	l Definition of Working Capi		-			-
-		g Capital Cycle, Assessmer	=	-	-	-	
	• •	idity trade-off, Working Ca	pital Policy - Aggressiv	ve & Defe	ensive.	Over	view of
Workin	ng Capital	Management					
UNIT-		Cash & Marketable Secu	•				Hours:8
	0	Motives for holding cash, of	· ·				0
needs,	Cash Mar	agement Models, Cash Budg	et, Cash Management: b	basic strate	gies, t	echniq	ues and
process	ses, Lock	Box system and concentry	ation banking, compens	sating bala	ances	; Ma	rketable
Securit	ies: Conce	pt, types, reasons for holding	g marketable securities, a	alternative	strateg	gies, cl	noice of
securiti	ies; Cash N	Ianagement Practices in India					
UNIT-	III	Receivables Managemen	ıt				Hours:8
affectin policy i Manage	ng size of 1 including e ement in I		ging accounts receivables,	, determina	tion of	f poten	tial credit cies; Credit
UNIT-	IV	Inventory Management					Hours:8
Invento	ory: Need	or monitoring & control of in	ventories, objectives of in	nventory m	anage	ment, I	Benefits
of hold	ling invent	ory, risks and costs associate	d with inventories, Inven	ntory Mana	gemer	ıt: Mir	nimizing
cost in	inventory	, Techniques of Inventory M	Ianagement - Classificat	tion, Econo	omic o	order c	quantity,
ABC A	analysis, V	ED etc.					
UNIT-	V	Financing of Workin	ng Capital				Hours:8
Need a	nd objecti	es of financing of working ca	pital, short term credit, m	nechanism	and co	st-ben	efit analysis
of alter	mative stra	tegies for financing working	capital : accrued wages	and taxes,	accou	nts pa	yable, trade
		s, overdrafts, bill discounting				-	-
		ns, etc; Pattern and sources					
		cies, working capital control	and banking policy- p	prominent of	comm	ittees	on working
capital	financing.						
	e outcome	At the and of 41	e student will be able to				

CO 1	Assess and analyze the working capital requirement of the firm.	Analyse (K4)
CO 2	Apply the techniques for managing cash and liquid assets of the firm.	Apply (K3)
CO 3	Plan and channelize the inventories in right quantity and at right time.	Analyse (K4)
CO 4	Apply the techniques of receivables management in order to enhance the cash position of the firm.	Apply (K3)
CO 5	Procure the funds for meeting the working capital needs of the firm.	Analyse (K4)
Text boo	bks	
1.	Rustagi R P, Working Capital Management, Taxmann	
2.	Bhalla V.K - Working Capital management, Text and cases, Anmol Publication, Delhi , 11th	h edition
Referen	ce Books	
1.	Bhattacharya H, Working Capital Management, PHI, 3rd Ed.	
2.	Rangrajan K, Misra A.; Working Capital Management, Excel Books	
3.	Sagner J, Working Capital Management: Applications and Case Studies, Wiley Publication	

		MBA SECOND YEAR		
Course	Code	AMBAFM0413 L T	Р	Credit
Course '	Title	Financial Derivatives & Risk Management31	0	4
Course	objective: O	ojective of this course is Duration:	: 40 Hot	irs
1 To	aware the st	Idents of different types of Derivatives.		
2 To		understanding amongst students of financial derivatives and associa	ted regu	latory
	have an und dging.	erstanding of the derivative tools such as options, futures and their	applicat	ion to
4 To	understand t	he concept of risk management		
Pre-req	uisites: Requ	ired Basic Knowledge for Financial Derivatives & Risk Management	t	
Course	Contents / Sy	/llabus		
UNIT-I		Introduction to Financial Derivatives		Hours:8
		and features of Derivatives, Types of Derivatives, Forward, futures actions, Forward contracts, Forward market in India, Hedging with	-	
UNIT-I	[	Forwards Contracts and Futures Contracts		Hours:8
Market I UNIT-II Hedging Principle	ndex , Index II with Curre es of Pricing	<ul> <li>trage in Currency Futures, Pricing of Futures, Cost of Carry Mod</li> <li>Futures in the Stock Market, Indian Derivatives Market.</li> <li>Introduction to Options</li> <li>ncy Options, Speculation and Arbitrage with Options, Pricing</li> <li>, Black Scholes option pricing Model Index Options, Hedging v</li> </ul>	Options vith Ind	Hours:8
		itrage with Index Options, Index Options Market in Indian Stoc	k Mark	<b>1</b>
UNIT-I	•	gias to mitigate the risk		<b>1</b>
		gies to mitigate the risk. Financial Swaps		et, Use of
	Swaps, Managi	gies to mitigate the risk. <b>Financial Swaps</b> ng Interest Rate Exposure, Interest Rate Swaps, Currency Swaps Interest Rate	Futures,	et , Use of Hours:8
Financial	Swaps, Managi ts.	Financial Swaps	Futures,	et , Use of Hours:8
Financial Agreemen UNIT-V Risk Mana	Swaps, Managi ts. agement:Definit	Financial Swaps ng Interest Rate Exposure, Interest Rate Swaps, Currency Swaps Interest Rate		et , Use of Hours:8 Forward Rate Hours:8
Financial Agreemen UNIT-V Risk Mana risk manag	Swaps, Managi ts. agement:Definit	Financial Swaps         ng Interest Rate Exposure, Interest Rate Swaps, Currency Swaps Interest Rate         Risk Management         ion, meaning and measurement of Risk- Classification of Risk- diversification-		et , Use of Hours:8 Forward Rate Hours:8
Financial Agreemen UNIT-V Risk Mana risk manag	Swaps, Managi ts. agement:Definit gement - technic <b>putcome:</b>	Financial Swaps ng Interest Rate Exposure, Interest Rate Swaps, Currency Swaps Interest Rate Risk Management ion, meaning and measurement of Risk- Classification of Risk- diversification- ues of risk mitigation	Statistical	et , Üse of Hours:8 Forward Rate Hours:8
Financial Agreemen UNIT-V Risk Mana risk manag	Swaps, Managi ts. agement:Definit gement - technic outcome: Understanc	Financial Swaps         ng Interest Rate Exposure, Interest Rate Swaps, Currency Swaps Interest Rate         Risk Management         ion, meaning and measurement of Risk- Classification of Risk- diversification-         ues of risk mitigation         At the end of course, the student will	Statistical	et , Üse of Hours:8 Forward Rate Hours:8
Financial Agreemen UNIT-V Risk Mana risk manag Course o CO 1	Swaps, Managi ts. agement:Definit gement - technic outcome: Understanc arbitrage.	Financial Swaps         ng Interest Rate Exposure, Interest Rate Swaps, Currency Swaps Interest Rate         Risk Management         ion, meaning and measurement of Risk- Classification of Risk- diversification-         ues of risk mitigation         At the end of course, the student will         how derivative securities work and how they are traded.	Statistica Know Evalua	et , Use of Hours:8 Forward Rate Hours:8 I tools used in

CO 5	Be prepared to use futures and options in financial risk management,	Synthesizing
	speculation and arbitrage, interest future and forward rate agreement.	(K6)
Text boo	ks	
1. Thoma	as Susan, Derivatives Market in India; Tata McGraw Hill	
2. Financ	ial Derivatives: Theory, Concepts and Practices by S.L. Gupta, PHI, 2005.	
3. Financ	ial Derivatives by S.S.S Kumar, PHI, 2007	
Reference	ee Books	
1. Optior	is, Futures and other Derivatives, John C. Hull; Prentice Hall of India; New Delh	i, 1997.
2. Chanc	e, D.M., & Brooks, R. (2008). Derivatives and Risk Management Basics. Cenga	ge Learning India.
3. Bhalla	, V.K. (2012). Investment Management. New Delhi: Sultan Chand.	

		MBA SECOND	YEAR				
Co	urse Code	AMBAHR0411		L	Т	Р	Cred
Co	urse Title	Talent Management		3	1	0	4
Co	•	e: Objective of this course is to:			ation:		
1		sights to the process of attraction, ac	quisition, and ret	enti	on of	taler	nt in
	Organizatio						
2	-	clear understanding of talent manageme	nt and its linkage	Wİ	th org	anizat	tional
2	0,	other HR practices.		·	•		
3 4		understanding of acquiring and retaining th				tha nr	acant
4		n the process of identifying and developing eed of the organization.	g the potential talent	. 10	IuIIII	the pr	esem
5		merging trends in Talent management such	as HR Accounting	HR	• Audi	te	
		Basics of HRM	as me necounting,	111	Auui	15.	
	urse Content						
	IT-I	Introduction to Talent Management					0.11
		, , , , , , , , , , , , , , , , , , ,			C TT 1		8 Hours
		Talent Management: Concept, Meaning	5				0
		ble Competitive Advantage to a firm; Key					
		in Resource Planning, Retention, Talent					
		, Identifying and Assessing High-Potentia	I Talent: Current O	rgar	11zatio	nal Pr	actices .C
	dies	Talent Acquisition					0 11
	IT-II	on: Job Analysis, Developing job Des					8 Hours
Rec solu <u>Eva</u>	ruiting the tions. HR tions.	pest Talents, Strategic Trends in Talent Planning for Talent Management: Proce tors affecting HR Planning, Strategic view	t Acquisition, Tale ess (using MS-Exe	ent cel	acquis and o	sition quantit	managen tative too
UN	IT-III	Strategic Recruitment and Selection					8 Hours
Sel reci Ta	ection Errors ruitment strate lent Develop	Selection Process: Introduction, Sources & Minimizing Selection Errors, Reliability egy for senior level executives. oment: Need Analysis, Knowledge Ma eveloping Leadership Talent and Emotional	ty & Validity of Se anagement, Stress	elect Ma	ion Te anagen	ests, F	ormulatir
	IT-IV	Employee Retention					8 Hours
Em Dea of Ma	ployee Reten lling with Job Total Rewar nagement and	tion: Comprehensive approach to Employ Withdrawal; Strategic Compensation plan ds, Integrated Rewards Philosophy, Desi I Reward Model, Career and Succession bloyee Engagement, Ways of Achieving En	n for Talent Engage igning Integrated F Planning. Employe	men Rew e E	nt: Def ards, Engage	olunta ining Sustai ment:	ry Turno the Elemonable Ta
	IT-V	Emerging Trends in SHRM					8 Hour
Fm		s in HR: Human Resource Audits, Humar			•		
Res	Challenges.	nting (HRA), Business Process Re-engined Case Studies	ering, Contemporar	у Та	alent M	Manag	ement Iss

CO 1	Knowledge of Talent Management Processes	(Understand) K2
CO 2	Analyse the impacts of Talent management in the organization	(Analyze) K4
CO 3	Competency to implement Talent Management practices	(Evaluate) K5
CO 4	Competency to develop leadership qualities among subordinate	(Evaluate) K5
CO 5	Knowledge about the reward system to support Talent management	(Apply) K3

### **Text books**

1. Rob Silzer (Editor), Ben E. Dowell (Editor), Strategy-Driven Talent Management: A Leadership Imperative, Wiley., 2009.

2. Gowri Joshi & Veena Vohra, Talent Management, Cengage Learning ,2017.

### **Reference Books**

1. Dessler Gary, Varkkey Biju, Fundamentals of Human Resource Management, Pearson Publication, 16th Edition, 2020.

2. Lance A Berger, Dorothy R Berger, Talent Management Hand Book, McGraw Hill 2017.

3. Collings, Mellahi, Casicio, The Oxford Handbook of Talent Management, Oxford University Press, 2017

		MBA SECOND YEAR				
Co	urse Code	AMBAHR0412	L	Т	Р	Credit
Co	urse Title	Strategic Human Resource Management	3	1	0	4
Co	urse objectiv	e: Objective of this course is to:	Dura	tion:	40 Ho	urs
1	Understand	the link between firm strategy and HR practices of th	e firm	throu	gh	
	Sustained C	Competitive Advantage.				
2		d the need for different HRM practices in alignment wi	th diffe	erent b	ousines	s
	strategies.			••		
3	-	he students with the tools & techniques essential as a strate ganizational growth.	gic cor	itribut	ion of	
4	Understand	d different ways in which HRM can be strategically pursued	within	organ	nisatior	is
		s with organisational performance.				
5		the impact of HRM practices in global environment.				
Pre	e-requisites:	Basics of HRM				
Co	urse Content	s / Syllabus				
UN	IT-I	Introduction to SHRM			<b>8</b> H	lours
cha Coi	nges, Challen mpetitive Adv				HRM,	SHRM fo
cha Cor UN Imp Res	nges, Challen mpetitive Adv IT-II plementation source Devel	nges in Strategic Human Resource Management ,Impacts vantage . Implementation of SHRM of Strategic HRM: Staffing, Training & Development, opment, Impacts of SHRM on Performance , Practic	of Stra Strategalities	tegic	HRM, 8 H ptions	SHRM for lours of Human
cha Cor UN Imp Res Our	nges, Challen mpetitive Adv IT-II plementation source Devel	nges in Strategic Human Resource Management ,Impacts vantage . Implementation of SHRM of Strategic HRM: Staffing, Training & Development,	of Stra Strategalities	tegic	HRM, 8 H ptions Ieasuri	SHRM fo lours of Huma
cha Cor UN Imp Res Our UN HR ,Str	nges, Challen mpetitive Adv IT-II plementation source Devel tcomes, Strate IT-III Strategy, Co rategic HRM	nges in Strategic Human Resource Management ,Impacts vantage . Implementation of SHRM of Strategic HRM: Staffing, Training & Development, opment, Impacts of SHRM on Performance , Practic egic Oriented Compensation System ,and Employee Separat	of Strateg Strateg alities ion . ies, Fu	tegic O gic O in M nction egic 1	HRM, <b>8 H</b> ptions leasuri <b>8 H</b> nal HR HRM.	SHRM fo fours of Human ng SHRM Hours c strategies Employed
cha Cor UN Imp Res Our UN HR ,Str Eng	nges, Challen mpetitive Adv IT-II plementation source Devel tcomes, Strate IT-III Strategy, Co rategic HRM	nges in Strategic Human Resource Management ,Impacts vantage . Implementation of SHRM of Strategic HRM: Staffing, Training & Development, opment, Impacts of SHRM on Performance , Practic egic Oriented Compensation System ,and Employee Separat HR Strategy and Employee Engagement omponents of Strategic HRM, Organizational HR strateg in Action ,Improving Business Performance through Drivers of Engagement Learning Organizations and Organizations	of Strateg Strateg alities ion . ies, Fu	tegic O gic O in M nction egic 1	HRM, <b>8 H</b> ptions leasuri <b>8 H</b> nal HR HRM. arning	SHRM fo fours of Human ng SHRM Hours c strategies Employed
cha Con UN Imp Rese Our UN HR ,Str Eng UN Stra Sha Ind	nges, Challen <u>mpetitive Adv</u> <b>IT-II</b> plementation source Devel tcomes, Strate <b>IT-III</b> Strategy, Co rategic HRM gagement and <b>IT-IV</b> ategicKnowled uring as a Co	Inges in Strategic Human Resource Management ,Impacts vantage .         Implementation of SHRM         of Strategic HRM: Staffing, Training & Development, lopment, Impacts of SHRM on Performance , Practic egic Oriented Compensation System ,and Employee Separat         HR Strategy and Employee Engagement         omponents of Strategic HRM, Organizational HR strateg         in Action ,Improving Business Performance through Drivers of Engagement Learning Organizations and Organizations (Strategic Knowledge Management)         dgeManagement,BuildingKnowledgeManagementintoStrate         ore Competency ,HR Dimension to Knowledge Management         ons, Outsourcing & its HR implications, Human Side of M	of Strateg alities ion . ies, Fu Strate nization egyFran	tegic O gic O in M nction egic 1 nal Le mewo Strate	HRM, <b>8 H</b> ptions leasuri <b>8 H</b> nal HR HRM. arning <b>8</b> rk,Kno sgic A	SHRM for of Humar ng SHRM Hours C strategies Employee Hours wwledge pproach to
cha Cor UN Imp Res Our UN HR ,Str Stra Sha Ind stag	nges, Challen mpetitive Adv (IT-II plementation source Devel tcomes, Strate (IT-III Strategy, Co rategic HRM gagement and (IT-IV ategicKnowled wring as a Co ustrial Relation	Inges in Strategic Human Resource Management ,Impacts vantage .         Implementation of SHRM         of Strategic HRM: Staffing, Training & Development, lopment, Impacts of SHRM on Performance , Practic egic Oriented Compensation System ,and Employee Separat         HR Strategy and Employee Engagement         omponents of Strategic HRM, Organizational HR strateg         in Action ,Improving Business Performance through Drivers of Engagement Learning Organizations and Organizations (Strategic Knowledge Management)         dgeManagement,BuildingKnowledgeManagementintoStrate         ore Competency ,HR Dimension to Knowledge Management         ons, Outsourcing & its HR implications, Human Side of M	of Strateg alities ion . ies, Fu Strate nization egyFran	tegic O gic O in M nction egic 1 nal Le mewo Strate	HRM, <b>8 H</b> ptions leasuri <b>8 H</b> nal HR HRM. arning <b>8</b> rk,Kno sgic A	SHRM fo fours of Human ng SHRM Hours C strategies Employed Hours wwledge pproach to
cha Cor UN Res Our HR ,Str Sha Ind Stra Sha Ind Glc issu Inv Ass	nges, Challen mpetitive Adv (IT-II blementation source Devel tcomes, Strate (IT-III Strategy, Co rategic HRM gagement and (IT-IV ategicKnowled ustrial Relation ge model of M (IT-V bbal human re- tes in Global A estment persp signment .	Inges in Strategic Human Resource Management ,Impacts vantage .         Implementation of SHRM         of Strategic HRM: Staffing, Training & Development, lopment, Impacts of SHRM on Performance , Practic egic Oriented Compensation System ,and Employee Separat         HR Strategy and Employee Engagement         omponents of Strategic HRM, Organizational HR strategi         in Action ,Improving Business Performance through Drivers of Engagement Learning Organizations and Organizations and Organizations and Organizations (Strategic Knowledge Management)         dgeManagement,BuildingKnowledgeManagementintoStrategions, Outsourcing & its HR implications, Human Side of M M&A.         Global HRM Practices         esource management, Difference between global HRM or Assignments, Expatriates selection & Repatriation, Building pectives of HR, Strategic Choice ,Leadership Strategic	of Strateg alities ion ies, Fu iss, Fu Strate nization egyFrate ement, ergers lomesti a Mul	tegic O gic O in M nction egic D nal Le mewo Strate and A c HR ticult	HRM, ptions leasuri <b>8 H</b> nal HR HRM. arning <b>8</b> rk,Kno egic Ar egic Ar e	SHRM fo lours of Human ng SHRM lours c strategies Employed Hours wledge pproach to tions three Hours rategic HF
cha Cor UN Res Our HR Str Sha Ind Stra Sha Ind Stra Sha Ind Stra Sha Ind Stra Sha Ind Stra Sha	nges, Challen mpetitive Adv (IT-II blementation source Devel tcomes, Strate (IT-III Strategy, Co rategic HRM gagement and (IT-IV ategicKnowled ustrial Relation ge model of M (IT-V bbal human re- tes in Global A estment persp signment .	Inges in Strategic Human Resource Management ,Impacts         Implementation of SHRM         of Strategic HRM: Staffing, Training & Development,         opment, Impacts of SHRM on Performance , Practic         ogic Oriented Compensation System ,and Employee Separat         HR Strategy and Employee Engagement         omponents of Strategic HRM, Organizational HR strategi         in Action ,Improving Business Performance through         Drivers of Engagement Learning Organizations and Organizations         dgeManagement,BuildingKnowledgeManagementintoStrate         ore Competency ,HR Dimension to Knowledge Manage         ons, Outsourcing & its HR implications, Human Side of M         M&A.         Global HRM Practices         esource management, Difference between global HRM or	of Strateg alities ion ies, Fu iss, Fu Strate nization egyFrate ement, ergers lomesti a Mul	tegic O gic O in M nction egic D nal Le mewo Strate and A c HR ticult	HRM, ptions leasuri <b>8 H</b> nal HR HRM. arning <b>8</b> rk,Kno egic Ar egic Ar e	SHRM fo lours of Human ng SHRM Hours C strategie Employed Hours weldge pproach to tions three Hours rategic HI ganization

CO 2	Apply the learning of SHRM in organizational context.	(Apply) K3						
CO 3	Evaluate the impacts of SHRM on competitive advantages	(Evaluate) K5						
CO 4	Have desired level of expertise on organizational knowledge management through SHRM.	(Evaluate) K5						
CO 5	Understand the International culture in SHRM.	(Understand) K2						
Text bo	oks							
1. Jeffre	y A. Mello, Strategic Human Resource Management , Cengage Learning, 20	19						
2. Charle	es R Geer, Strategic Human Resource Management: A General Managerial	Approach, 2e, Pearson						
India, 20	02.							
Referen	Reference Books							
1. Armst	1. Armstrong, Michael & Baron Angela, Handbook of Strategic HRM, (Jaico Publishing House), 2005.							
2. Gary	Rees Smith Paul, Strategic Human Resource Management: An Internation	onal Perspective, Sage						

2. Gary Rees Smith Paul, Strategic Human Resource Management: An International F Publications, 2019.

3. Richard Regis, Strategic Human Resource Management and Development, Pearson, 2008.

			MBA SECOND YEAR				
Course	Code	AMB	AHR0413	L	Т	Р	Credit
Course 7	Гitle	Divers	sity of Workforce (IHRM)	3	1	0	4
Course	objective	e: Obje	ctive of this course is to:	Dura	tion:	40 Ho	urs
1	Familiariz	ze the stu	dents with HR management in Global perspective.				
2	Underst	and the	complexity of workforce diversity in international	contex	t.		
			aware of the international labor relations.				
4	1		lerstanding of expatriate's recruitment & training p	orogran	ıs.		
Pre-requ							
Course	Contents	s / Sylla					
UNIT-I			Introduction to IHRM				8 Hours
			esource Management-Overview, Developments		-		
-			onal Human Resource Management: Role			-	ng Activities,
<u> </u>		ructure	and HRM, International Human Resource Plannin	g. Case	Stuc	lies	
UNIT-II			Staffing & Compensation Practices in Global Context				8 Hours
0			ernational Human Resource Management, Recruit				
0			affing Practices, International Transfers and Rep			0	
Practices			ational Context, International Performance Mar	ageme	nt, C	Jobal	Compensation
UNIT-II		tuules.	Industrial Relations and Labour Standards in IHRM				8 Hours
		ms and	International Practices in Industrial Relations, Shi	fts in II	HRM	and II	
			urce Management, International Labour Stand				
			ork Agreements. Case Studies.	,			,8
UNIT-I			Diversity Management in Global Context				8 Hours
			Diversity Management in Global Context. Sensitiv				
			Emerging Trends in Employee Relations and Emp				
		personn	el management in developed and developing econo	omies,	Case	Studies	
UNIT-V			Trends & Issues In IHRM				8 Hours
			ational HRM, HR/IR issues in MNCs and Corporate So	cial Res	sponsi	bility, (	Case Studies
Course	outcome	: A	t the end of course, the student will be able				
CO1	Underst	tanding	the Contexts of International HRM			(Under	stand) K2
CO2	Knowle	edge ab	out the HR Processes in International Context		(	Unders	stand) K2
CO 3			te the impacts of Globalisation on HRM			(Evalu	ate) K5
CO4	Desired	l level o	f expertise on organizational Issues.		(	Evalua	te) K5
CO5	Underst	tanding	and applying the International culture in IHRM			(Apply	) K3
Text boo		0					
			Festing , Allen D. Engle, International Human Resource Ma				
2. Aswat			hana Dash, International Human Resource Management, Mo	cGraw H	ill Ed	ication,2	2020,3 <sup>14</sup> Edition.
			, International Human Resource Management ,Sage Publicat	ion 2017	7		
	-	-	al Human Resource Management (Excel Books),2008.	1011,2017	•		
			Human Resource Management, Oxford , 2007				

			MBA SECOND YEAR		
Cours	se Code	AMBA	AMK0411 L T	Р	Credit
Cours	se Title	Sales a	and Retail Management 3 1	0	4
Cour	se objectiv	e: Obje	ctive of this course is to: Duration:	40 H	ours
1	•	•	ge, understanding, and skills in Sales and Retail Management.		
2			ent and implementation of Sales and Retail Management strates	gies.	
3			decision alternatives and criteria in the context of realistic pr		1
	situations	in Sales	s and Retail Management.		
4	To acquai	int the st	tudents with both store and non-store retailing.		
5	To build k	knowled	ge about retail growth strategies.		
Pre-r	equisites: ]	Having a	an understanding of Basics of Sales and retail management.		
Cours	se Content	ts / Sylla	ibus		
UNIT	<b>`-I</b>		Introduction of Sales		08 Hours
of sale		el, Chara	ble of selling in marketing, Personal selling, Salesmanship and acteristics of a successful salesman, Theories of selling, Sales		
UNIT	-2		Building Sales Organization		08 Hours
Condu UNIT	ucting Sales -3	s training	ales positions, Recruitment, Selection, Training and Development of programme. Leading Sales Organization		08 Hours
Leadi	ng Sales O	0	tion: Sales force motivation, Designing & Administering, Sale tives and contests, Sales forecasting, Sales budget, Sales q		e compensation
		porting	mechanism and monitoring, Sales force productivity, Sales force	ce app	oraisal.
UNIT			Introduction to retailing		
Introd					08 Hours
Retail India. Types Depar Specia	s of Retaile tments, Co alty Stores	tion of 1 ers: Class poperativ , Off Pr	of Retailing, Economic Significance of Retailing, Product I retailing- global retailing scenario- Indian retail –emerging sification by Ownership – Independent Store, Chain stores, Fra ves; Classification by Strategy – General Merchandise Retail rice Retailers; Classification by Product Line – Department s ence Stores, Services retailing.	trends anchis ers, I	08 Hoursing vs. Servicein retailing ine Stores, leasedDiscount Stores,
Retail India. Types Depar Specia Hyper UNIT	s of Retailes tments, Co alty Stores, rmarkets, C <b>-5</b>	tion of a ors: Class poperativ , Off Pr Convenie	of Retailing, Economic Significance of Retailing, Product I retailing- global retailing scenario- Indian retail –emerging sification by Ownership – Independent Store, Chain stores, Fra ves; Classification by Strategy – General Merchandise Retail rice Retailers; Classification by Product Line – Department s ence Stores, Services retailing. Retail Market Strategy	trends anchis ers, I stores	08 Hoursing vs. Servicein retailing ine Stores, leasedDiscount Stores,
Retail India. Types Depar Specia Hyper UNIT Retail Retail locatio Retail effection Marko	s of Retaile truents, Co alty Stores, truarkets, C -5 Marketing Location on, Method store layo ive space downs, Shr	tion of n rs: Class poperativ , Off Pr Convenie g Strateg & site s of eva ut & vis managen inkage in	of Retailing, Economic Significance of Retailing, Product I retailing- global retailing scenario- Indian retail –emerging sification by Ownership – Independent Store, Chain stores, Fra ves; Classification by Strategy – General Merchandise Retail rice Retailers; Classification by Product Line – Department s ence Stores, Services retailing. <b>Retail Market Strategy</b> sy: differentiation, growth strategy, strategic retail planning pro- selection Strategy: Types of retail locations, Steps involved duating a trading area. sual merchandising: Store planning, Store Design and the retai ement, Store layout – circulation plan, Floor Space manage n merchandise management	trends anchis ers, I stores cess. in cl	08 Hoursing vs. Servicein retailing ine Stores, leasedDiscount Stores,Supermarkets,08 Hoursnoosing a retailnix, Space mix,
Retail India. Types Depar Specia Hyper <b>UNIT</b> Retail locatio Retail effection Marko	s of Retaile rtments, Co alty Stores, rmarkets, C -5 Marketing Location on, Method store layo ive space downs, Shr se outcome	tion of the second seco	of Retailing, Economic Significance of Retailing, Product I retailing- global retailing scenario- Indian retail –emerging sification by Ownership – Independent Store, Chain stores, Fra ves; Classification by Strategy – General Merchandise Retail rice Retailers; Classification by Product Line – Department s ence Stores, Services retailing. <b>Retail Market Strategy</b> cy: differentiation, growth strategy, strategic retail planning pro- selection Strategy: Types of retail locations, Steps involved duating a trading area. sual merchandising: Store planning, Store Design and the retai ement, Store layout – circulation plan, Floor Space manage n merchandise management e end of course, the student will be able to:	trends anchis ers, I stores cess. in cl iling 1	08 Hoursing vs. Servicein retailing ine Stores, leasedDiscount Stores,Supermarkets,08 Hoursnoosing a retailnix, Space mix,

	management.	
CO2	Acquainted with better understanding of implementation of sales management strategies.	(Analyse) K4
CO3	Develop analytical skills for effective decision alternatives in sales management problems	(Create) K6
CO4	Develop the knowledge, understanding and skills inretail management and how to manage Store and non-store retailing.	(Apply) K3
CO5	Understand how to develop marketing mix strategies for retail business.	(Analyse) K4
Text Bo	oks	
1	Panda: Sales and Distribution Management, 3 Ed, OUP.	
2. Haval	dar, K.K., and Cavale, V.M.; Sales and Distribution Management; McGraw	Hill Education
3. Pradh	an Swapna; Retailing Management; 5e, McGraw-Hill Education	
4 Spiro,	R.L., Stanton, W.J.and Rich, G.A.; Management of Sales Force; McGraw-H	ill Education
5. Berm	an, Evans, Chatterjee; Retail Management Strategic approach;13e ,Pearson	
Referen	ce Books:	
1. Panda	, T.K., and Sahdev, S.; Sales and Distribution Management; Oxford Univ Pr	ess
2. P. K.	Sinha & D. P. Uniyal, : Managing Retailing, Oxford University Press.	
3. Still, 1	R.R., Cundiff, E.W. and Govani, N.A.P.; Sales Management; Pearson Educat	tion
4. Coug	hlan, A. T., Anderson, E., Stern, L. W. and El-Ansary, A. I.; Market	ting Channels; Pearson
Educatio	n	
5. Futrel	l, C.M.; Sales Management; Cengage Learning	
	bloom, B.; Marketing Channels; Cengage Learning	
1. Retail	ing Management by Michael Levy & Barton Weitz, Tata McGraw Hill, 5th	Edition.
2. Retail	ing Management by Swapna Pradhan, Tata McGraw Hill.	
Web res		
1. http://	www.cci.in/pdf/surveys reports/indiasretailsector.pdf	
2. http://	www.indiaretailing.com	

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Course	e Code	AMB	BA	A]	A	A	M	K0	412	2																			L	4	T	1	]	P		(	Cre	dit	
Course	Title	Mark	ket	set	e	cef	tin	g A	na	lyt	ics	S																	3	6	1	L	(	)			4	ļ	
Course	objectiv	e: Obje	jec	ect	ec	ec	tiv	e o	f th	nis	co	u	rse	e is	s to	):													Du	rat	ior	n: 4	40						
1	Understand	•															cs																						
2	Study varie	ous tools	s to	s to	tc	s to	ha	ve 1	narl	keti	ing	in	sig	ghts	s in	va	rio	us	m	ar	kel	ing	g a	rea	as t	thr	oug	gh e	mpi	irica	ıl da	ata							
3	Interpret th	ne market	etin	tin	tin	tin	ıg d	ata	for e	effe	ecti	ive	m	ark	cetii	ng	de	cis	sio	n ı	na	kin	ıg				_												
4	To draw	inferei	enc	enc	n	ena	ces	fr	om	d	ata	a i	in	0	rde	er	to	2	ın	sw	ver	: d	les	sci	rip	otiv	ve,	, p	red	icti	ve,	ar	nd						
	prescript																								1			•											
5	Enable st											<u> </u>						r	de	eci	si	on	m	nak	kir	ng													
Pre-rec	quisites: ]	Basic of	of S	of S	f S	f S	Sta	tis	tics	s ar	nd	N	<b>la</b>	rk	eti	ing	Г Э																						
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UNIT-	Ι			]	Τ	T	Int	rod	ucti	ion	to	Μ	ar	ket	ting	g A	na	ly	tic	s															0	8	Ho	urs	;
(Primar	ng, charac ry and Sec olders, Ap	condary	y). ion	y). on	y). on	y). on	Tl s 8	he & A	new	v re roa	eal ach	liti nes	ies	5 0	f n	nar	ke	eti	ng	g o	lec	cis	io	n	m	ak									a s	01		×s,	
	ting Den								-																														j
Skimm UNIT-J	ing & Sal III	es			Τ	Τ	Cu	stor	ner	An	naly	yti	cs																						1	.0	Ho	urs	3
concept describ position Incorpo Measur	ntation an t of marl ing the s ning, Cor orating pro- ring Custo e a busine	ket segn segment nducting eference omer Lif	gm nts ng ces	gm nts g xes	gm Its g es	gm its g es	ent -( a j int	tati Clu pos to j	on, stei itic perc	N r a nii cep	Aana ana ng otu	na aly 5 s 1al	igi vsis stu m	ng s, dy nap	g th Di v, H os.	he isc Per Cu	se rii ce	eg ni ep	m ina tu ne	er an al er	ta t n Li	tio an nap fet	on aly op tin	p ysi ing ne	oro is, g e V	us / al	ess, Fai sing lue	, I rge g e: C	Deri ting prin Cone	vir g, icip cep	g The oal t, E	ma e c co Bas	rke con mp ic	et s icep oon Cus	seg ot ent sto	m of s m	ents pr ana er V	s a odu ulys /alu	nd uct sis, ue,
UNIT-				J	Τ	1	Ret	taili	ng a	and	l A	dv	er	tisi	ing	Ar	nal	yt	ics	5															6	6 H	Iou	rs	
Resource Advertion (PPC) (Control of the second sec	Basket a ces: Ident ising Ana Online Ac	ifying t lysis: M	th Me ing	the Aea ng	th Ie	the /le ng	e sa asu	ale ırir	s to g tl	b m	nar Ef	ke ffe	etin cti	ng ive	eft ene	for	t i of	re A	la Ad	tic ve	ons erti	shi isi	p ng	& g, (	it	S 1	mc	ode	ling	g, c	pti	miz	zin	ig s	ano ale pe	d s e	Sale effc Clie	es ort ck	
UNIT-									Fo					·			<u> </u>					•															Ho		
method	sion model, Using S positional	S curve	ves	es	es	es	to	Fo	orec	cas	t S	Sa	les	s c	of	a l	Ne	ew	/	Pr	od	luc	ct	Co	on	jo	int	a	naly	ysis	: (	Con		-	-				-
Course	eoutcome	e: At the	he	ie (	e	ie	en	d o	f co	0 <b>U</b> 1	rse	e, 1	the	e s	tuo	der	nt	W	<b>il</b>	l k	e	ab	ole	e to	0:														
CO 1	Understa	and basic	ic c	c cc	c c	C C'	onc	epts	of	mai	rke	etir	19 a	ana																		I	nd	erst	0.12	4:	nal	(V)	

CO 2	Analyze the effects of pricing analytics on business decisions	Analyze (K4)							
CO 3	Understand and apply customers analytics for marketing decisions	Analyze (K4)							
CO 4	Understand retailing and advertising analytics	Understanding (K2)							
CO 5	Understand and apply forecasting methods for decision making	Analyze (K4)							
Text bo	oks								
1. Marke	ting Analytics: Data-Driven Techniques with Microsoft Excel by Wayne L Winston © 2014	Wiley India Pvt. Ltd.							
2. Marke	eting Analytics: Strategic Models and Metrics by Stephan Sorger© 2013 Create Space Publish	ing							
Referen	ce Books								
1. Ma	keting Engineering and Analytics by Gary Lilen, Arvind Rangaswamy, and Arnaud De Bruyr	© 2017 Decision Pro. Inc.							
4. Dig	ital Marketing Analytics by Chuck Hemann and Ken Burbary, Pearson Education								

		MBA SECOND YEAR		
Cou	rse Code	AMBAMK0413 L T	P	Credit
Cour	rse Title	Marketing of Services 3 1	0	4
Cou	rse objectiv	e: Objective of this course is to: Duration: 4	0 H	ours
1		n understanding of the basic concepts and issues in service marketing.		
2	· ·	orking service marketing vocabulary so as to understand and discuss	s ma	rketing
	concepts in	business settings.		-
3		It key characteristics of service and service processes, customer service e internal stakeholders in service delivery, and organizational challenges of		
4	manageme			
5	how this tra	understanding of how service customers determine value in a service exanslates into a satisfied customer base.		ge and
Pre-	requisites: I	Having an understanding of Basics of marketing concepts and its mode	els.	
Cou	rse Content	•		
UNI	Г-І	Introduction To Services Marketing		<b>08 Hours</b>
Mark	eting, Prese	Services, Difference between Product and Services Marketing, Parad ant Marketing Environment; Services Marketing Mix: Understanding the keeting: Segmentation, Targeting & Positioning, Differentiation.	<u> </u>	
UNI		Understanding Consumer Behavior and Service		08 Hours
of se to po	rvices. Serv tential servi	mer Behavior in Services, Customer Expectations and Perceptions of Service Development Design & Standards: New Service Development Proces ce, Customer Defined Service Standards, Demand and Capacity Managem Delivering, Pricing and Managing Service Promise	ss – ]	Basic service
UNI				08 Hours
in ser Pricir	rvice deliver ng of Servic	ng and Managing Service Promise, Delivering Services: Role of Employe ry; Service Product and Operation, Role of Employees and Customers in res, Promotions and Services capes in Services Role of Intermediaries, hysical evidence. Pricing of Services: Pricing Considerations and Strategie	Serv Servi	ice Delivery,
UNI	<u> </u>	Service Performance		08 Hours
		nce. Evaluating Success of Service Offering: Service quality and measurery management, Service Guarantees. Role of CRM, the Gaps Model of Se		
UNI	Г-V	<b>Overview Of Current Trends In Service Industries</b>		08 Hours
Finar	ncial, Hospit	rrent Trends In Service Industries, Understanding of Current Trends in S ality, Health, Telecom, Consultancy, Logistics, Education, NGO, Public U ), Travel & Tourism, e-Services and Professional Services.		
Cour	rse outcome	: At the end of course, the student will be able TO:		
CO 1		nd and explain the nature and scope of services marketing	Uno (K2	lerstand
CO 2	Use criti	cal analysis to service excellence; perceive service shortcomings in	Cre	ate (K3)

	reference to ingredients to create	
CO 3	Be able to identify critical issues related to service design, such as identifying and managing customer service experience, expectations, perceptions	Apply (K4)
CO 4	<sup>4</sup> Provide a theoretical and practical basis for assessing service performance using company	Apply (K3)
CO 5	5 Identify and discuss characteristics and challenges of managing service firms in the modern world	Apply (K2)
Text	books	
2. 8	Services Marketing Text and Cases, Vinnie Jauhari & Kirti Dutta, Oxford Uniersity Press. Services Marketing, Zeithaml Valerie and Mary Jo Bitner, Gremler & Pandit, Tata McGraw Hill. <b>rence Books</b>	
Kele	rence books	
1.	Services Marketing, Lovelock, Christopher. Prentice Hall.	
2.	Services Marketing, Nargundkar, Rajendra. Tata McGraw Hill	
3.	The Essence of Services Marketing, Adrian Payne.PHI.	
4.	Services Marketing, Ravi Shankar. ExcelPublishing	

			MBA SECOND YEAR				
Course C	Code	AMBA	BI0411	L	Т	P	Credit
Course T	Title	Cyber	Security	3	1	0	4
Course o	bjective	e: Objec	tive of this course is to:	Dura	ation	:40 H	lours
1	Underst	and vario	us types of threats to information system.				
2	Learn th	reats and	risks within context of the cyber security.				
3	Have an	ı overview	v of cyber laws				
4	Unders	stand dif	ferent types of ethical hacking.				
			Course Contents / Syllabus				
UNIT-I			Introduction to Cyber Security				Iours
			on to information systems, Types of information System			-	
	•		oduction to information security, Need for Information		•	Threat	ts to
Informati	on Syste	ems, Info	ormation Assurance, Cyber Security, and Security Risk	Ana	ysis.		
UNIT-II			Security Threat Management			<b>8 H</b>	Iours
Applicat	ion secu	irity (Da	atabase, E-mail and Internet), Data Security Consideration	tions	-Bacl	kups,	Archival
Storage a	and Disp	posal of	Data, Security Technology-Firewall and VPNs, Intr	usion	Dete	ection	, Access
Control.							
Security	Threat	s -Virus	es, Worms, Trojan Horse, Bombs, Trapdoors, Spoofs	s, E-r	nail v	viruses	s, Macro
viruses, N	Maliciou	s Softwa	are, Network and Denial of Services Attack, Security	Threa	ts to	E-Co	mmerce-
Electroni	c Payme	ent Syste	m, e- Cash, Credit/Debit Cards. Digital Signature, publ	lic Ke	ey Cr	yptogi	aphy.
UNIT-II	I		Security Elements			<b>8 H</b>	Iours
Security	Eleme	ents: Au	uthorization and Authentication - types, policies a	and	techn	iques	– Security
certificat	ion , Sec	curity m	onitoring and Auditing - Security Requirements Speci	ficati	ons –	- Secu	·
	cedures	-		neur	ons		irity Policies
and Pro	eeuures,	-	lls, IDS, Log Files, Honey Pots. Developing Se				-
Applicati	on Dev	Firewa velopmer	nt Security, Information Security Governance & F	cure Risk	Info Mana	rmatic geme	on Systems, nt, Security
Applicati Architect	on Dev ture & l	Firewa elopmer Design	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Dowr	cure Risk 1load	Info Mana able	rmatic geme Devic	on Systems, nt, Security es, Physical
Applicati Architect Security	on Dev ture & l of IT As	Firewa velopmer Design S ssets, Ac	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Dowr cess Control, CCTV and intrusion Detection Systems, T	cure Risk 1load	Info Mana able	rmatic geme Devic curity	on Systems, nt, Security es, Physical Measures.
Applicati Architect	on Dev ture & l of IT As	Firewa velopmer Design S ssets, Ac	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Dowr	cure Risk 1load	Info Mana able	rmatic geme Devic curity	on Systems, nt, Security es, Physical
Applicati Architect Security UNIT-IV	on Dev ture & 1 of IT As	Firewa velopmer Design S ssets, Ac	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Dowr cess Control, CCTV and intrusion Detection Systems, T	cure Risk 110ad Back	Info Mana able 1 up Se	rmatio geme Devic curity 8 F	on Systems, nt, Security es, Physical Measures. Hours
Applicati Architect Security UNIT-IV Security	on Dev ture & 1 of IT As 7 Policies	Firewa velopmer Design S ssets, Ac	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, 2 Security Policies	cure Risk nload Back Secu	Info Mana able up Se rity p	rmation geme Devic curity <b>8 E</b> olicies	on Systems, nt, Security es, Physical Measures. Iours s, Policy
Applicati Architect Security UNIT-IV Security	on Dev sure & l of IT As 7 Policies Process-0	Firewa velopmer Design S ssets, Ac	nt Security, Information Security Governance & R Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, I Security Policies Policies should be developed, WWW policies, Email	cure Risk nload Back Secu	Info Mana able up Se rity p	rmation geme Devic curity <b>8 E</b> olicies	on Systems, nt, Security es, Physical Measures. Iours s, Policy
Applicati Architect Security UNIT-IV Security Review F of the Pol	on Dev ture & l of IT As <b>Policies</b> Process-C licies.	Firewa velopmer Design S ssets, Ac s: Why I Corporat	nt Security, Information Security Governance & R Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, I Security Policies Policies should be developed, WWW policies, Email	cure Risk 1load Back Back Secu	Infor Mana able up Se rity p cation	rmatic geme Devic curity 8 H olicies n Req	on Systems, nt, Security es, Physical Measures. <b>Iours</b> s, Policy uirement
Applicati Architect Security UNIT-IV Security Review F of the Pol Informat	on Dev sure & l of IT As <b>Policies</b> Process-C licies.	Firewa velopmer Design S ssets, Ac s: Why I Corporat	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, I Security Policies Policies should be developed, WWW policies, Email te policies-Sample Security Policies, Publishing and N	cure Risk nload Back Secu Notifi R. C	Infor Mana able up Se rity p cation	rmatic geme Devic curity 8 F olicies n Req Laws	on Systems, nt, Security es, Physical Measures. Iours s, Policy uirement in India;
Applicati Architect Security UNIT-IV Security Review F of the Pol Informat	on Dev aure & l of IT As Policies Process-O licies. tion Sec	Firewa velopmer Design S ssets, Ac s: Why I Corporat curity St visions, I	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, T Security Policies Policies should be developed, WWW policies, Email te policies-Sample Security Policies, Publishing and N tandards-ISO, IT Act, Copyright Act, Patent Law, IP	cure Risk fiload Back Secu Secu Notifi R. C	Infor Mana able up Se rity p cation yber 1 nse, S	rmatic geme Devic curity 8 H olicies n Req Laws	on Systems, nt, Security es, Physical Measures. <b>Iours</b> s, Policy uirement in India; onductor
Applicati Architect Security UNIT-IV Security Review F of the Pol Informat IT Act 20 Law and	on Dev sure & l of IT As <b>Policies</b> Process-C licies. tion Sec 000 Prov Patent L	Firewa velopmer Design S ssets, Ac s: Why I Corporat curity St visions, I caw. Rec	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, I Security Policies Policies should be developed, WWW policies, Email te policies-Sample Security Policies, Publishing and N tandards-ISO, IT Act, Copyright Act, Patent Law, IP Intellectual Property Law: Copy Right Law, Software	cure Sisk Noad Back Secu Notifi R. C Lice t Sec	Infor Mana able up Se rity p cation yber 1 nse, S tion 6	rmatic geme Devic curity 8 H olicies n Req Laws Semice 56 (A,	on Systems, nt, Security es, Physical Measures. Iours s, Policy uirement in India; onductor B, C, D,
Applicati Architect Security UNIT-IV Security Review F of the Pol Informat IT Act 20 Law and E, F), IT	on Dev sure & 1 of IT As <b>Policies</b> Process-O licies. tion Sec D00 Prov Patent L	Firewa velopmer Design S ssets, Ac s: Why I Corporat curity St visions, I Law. Rec ction67(2	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, 2 Security Policies Policies should be developed, WWW policies, Email te policies-Sample Security Policies, Publishing and N tandards-ISO, IT Act, Copyright Act, Patent Law, IP Intellectual Property Law: Copy Right Law, Software tent amendments by the IT (Amendment Act) 2008, Ac	cure Risk fiload Back Secu Secu Notifi R. C Lice t Sec ce, T	Infor Mana able up Se rity p cation yber 1 nse, S tion 6 raden	rmatic geme Devic curity 8 H olicies n Req Laws Semice 56 (A, nark 1	on Systems, nt, Security es, Physical Measures. <b>Hours</b> s, Policy uirement in India; onductor B, C, D, fasues in
Applicati Architect Security UNIT-IV Security Review F of the Pol Informat IT Act 20 Law and E, F), IT	on Dev of IT As 7 Policies Process-C licies. tion Sec 000 Prov Patent L 7 ActSec ce, Pate	Firewa velopmer Design S ssets, Ac s: Why I Corporat curity St visions, I Law. Rec ction67(A ent Issue	nt Security, Information Security Governance & F Security Issues in Hardware, Data Storage & Down cess Control, CCTV and intrusion Detection Systems, I Security Policies Policies should be developed, WWW policies, Email te policies-Sample Security Policies, Publishing and N tandards-ISO, IT Act, Copyright Act, Patent Law, IP Intellectual Property Law: Copy Right Law, Software eent amendments by the IT (Amendment Act) 2008, Ac A,B,C), IPR Issues:, Copyright Issues in Cyberspaces es, industrial design, Geographical indications, Plan	cure Risk fiload Back Secu Secu Notifi R. C Lice t Sec ce, T	Infor Mana able up Se rity p cation yber 1 nse, S tion 6 raden	rmatic geme Devic curity 8 H olicies n Req Laws Semice 56 (A, nark 1	on Systems, nt, Security es, Physical Measures. <b>Hours</b> s, Policy uirement in India; onductor B, C, D, fasues in

Ethical Hacking: Introduction, Networking & Basics, Foot Printing, Google Hacking, Scanning, Windows Hacking, Linux Hacking, Denial of Service, Sniffer, Social Engineering, Wireless Hacking, Firewall & Honey Pots, Cryptography, IDS & IPS, Penetration Testing, Session Hijacking, Hacking Web Servers, Reverse Engineering, Email Hacking, Incident Handling & Response, Bluetooth Hacking, Mobile Phone Hacking Basic ethical hacking tools and usage of these tools in a professional environment.

Course	outcome: At the end of course, the student will be able to	):
CO 1	Understand the cyber security needs of an organization	(Understand) K2
CO 2	Understand different types of security threats and their impact into to e - commerce	(Understand) K2
CO 3	Understand security policies and protocols to implement such policies.	(Apply) K3
CO 4	Apply policies and procedures and cyber laws to manage Privacy Issues.	(Analyze) K4
CO 5	Understand different types of ethical hacking and their impact in real world.	(Apply) K3
Text bo	oks	
1.	NimaGodbole and SunitBelpure, Cyber Security Understanding Cyb	per Crimes, Computer Forensics and Legal

Perspectives, Wiley- India
 B. B. Gupta ,D.P.Agrawal , Haoxing Wang. Computer and Cyber Security : Principles, Algorithm , Applications and Perspectives, CRC Press, ISBN 9780815371335 , 2018

### **Reference Books**

- 1. Swiderski, Frank and Syndex, "Threat Modeling", Microsoft Press, 2004.
- 2. William Stallings and Lawrie Brown, "Computer Security: Principles and Practice", Prentice Hall, 2008.
- 3. Joseph M Kizza, "ComSwputer Network Security", Springer Verlag, 2005
- 4. Thomas Calabres and Tom Calabrese, "Information Security Intelligence: Cryptographic Principles & Application", Thomson Delmar Learning, 2004.
- 5. Michael Gregg, "Certified Ethical Hacker (CEH) Cert Guide", Pearson India, 2014

			MBA SECOND YEAR				
Cours	se Code	A	MBABI0412	L	Т	Р	Credit
Cours	se Title	Da	atabase Technology	3	1	0	4
Cours	se object	tive: Ob	jective of this course is to:	Dura	tion:	40 Ho	urs
1	U	nderstar	d the basic concepts and the applications of database system	stems.			
2	U	nderstar	nd the basic concepts of RDBMS				
3			e basics of SQL and construct queries using SQL & Fam transaction processing	iliar w	ith th	e basic	
4	U	nderstar	nd the concept of data warehousing and recent trends.				
			Course Contents / Syllabus				
UNIT	'-I		Introduction to Databases.			8 Hou	rs
Systen Hierar	ns, Adv chical D	antages	ent System: Introduction, Organization and Compon of DBMS. Database Models: Relational Database Mo Model, Semantic Database Model.			rk Data	abase Model,
UNIT			Relational Database Design			8 Hou	
depend	dencies,	Concep	<b>Design:</b> Concepts, E-R Diagram, ACID property, In ot of Normalization, Physical Database Design, Decon base schema, relational algebra, outer join and manipula	mposit	ion o	f Rela	
UNIT		,	Tuple Relational Calculus			8 Hou	rs
querie Seriali	es in relatizability	tional al and test	zation, set operations, aggregate functions, DDL, DML a gebra, SQL, tuple relation calculus and domain relation ing for serializability, concurrency control schemes, lock ph-based protocols, time stamp-based protocols, deadloch	calculu -based	lS.	-	
UNIT	<u> </u>	<u> </u>	Data Warehousing			8 Hou	rs
Mappi Data Conce	ing the Warehout pt hieran	Data W 1se, Mu	Overview, Definition, Data Warehousing Components arehouse to a Multiprocessor Architecture, Difference alti-Dimensional Data Model, Data Cubes, Stars, Sno pocess Architecture, 3 Tier Architecture, Data Scrubbing, 1	betwe w Fla	en Da kes, 1 Iarting	atabase Fact C g.	System and onstellations,
UNIT	<b>'-V</b>		Data Management System& Trends			8 Hou	irs
object Conce Databa	oriented opt of N	l databa oSQL d ongoDb)	Recovery systems, log-based recovery, deferred and in se design. latabases, Brief History of NoSQL Databases, Feature ), CAP Theorem, Eventual Consistency, Advantages of N At the end of course, the student will be able to have	s of N	oSQL		
CO1	Vnor					dorata	nd) K2
<u> </u>	NIOW	leuge ab	out Database Technology			idersta	nd) K2
CO2			the business application of Database Technology		(Ap	oply) K	.3
CO 3		-	L queries on the data &Understand the concepts of neir processing		( C	reate) I	Κ6
CO4	Know	edge an	d usage of data warehousing & Data Model		(Ap	oply) K	3

CO5	Knowledge on Unstructured Database and its application	(Apply) K3			
Text k	books				
1.	Korth, Silbertz, Sudarshan," Database Concepts", McGraw Hill				
2.	Data base System Concepts, A. Silberschatz, Henry. F. Korth, S. Sudarshan, McGraw Hill Ed	ucation(India) Private			
	Limited 1, 6th edition				
3.	RAMAKRISHNAN"Database Management Systems",McGraw Hill				
Refer	ence Books				
1.	Leon &Leon,"Database Management Systems", Vikas Publishing House				
2.	Bipin C. Desai, "An Introduction to Database Systems", Gagotia Publications				
3.	Majumdar& Bhattacharya, "Database Management System", TMH				
Course Code         ABAB10413         L         T         P         Credit           Course Objective: Objective of this course is to:         J         J         0         4           Course Objective: Objective of this course is to:         Duration: 40         Hours         1         Provide knowledge of different concepts of system analysis and design so that students will be able to develop information system students with tools techniques of planning, analyzing, designing, implementing and matintaning information system         3         Understand techniques and tools for data process modeling , entity – relationship diagrams & physical database diagrams.         4         Understand techniques and tools for system Analysis and Design, Business System Concepts, Characteristics of system, System System, Types of Systems, Systems Models, Categories of Information & Information           System Ethics         Over View of System Analysis, Design, Implementation, Post Implementation Management System, SAD/SE state of the art, gaps, industry focus and research.         System Development Life Cycle: Investigation, Analysis, Design, Implementation, Post Implementator Review and Maintenance. V Process Model, Introduction to Agile Methodology, Iterative-incremental process Elicitation, Analysis, Documentation, Review and Management of User Needs, concepts, methods and tandards. Feasibility Analysis; Feasibility Study, Steps in Feasibility Analysis, Feasibility Report Information Modelling, IEEE Standards for SRS.         8 Hours           Standards. Feasibility Analysis:Data Flow Diagrams, Lexity Relationship Diagrams, Use case Diagram, Activity Diagram, Class Diagram, Decision Tables, Object-Oriented Analysis	LOURSELOGE   ANKAKU413	т	т	п	C 124
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Course objective: Objective of this course is to:         Duration: 40 Hours           1         Provide knowledge of different concepts of system analysis and design so that students will be able to develop information systems using different methodologies, tooks, techniques and approaches.         2           2         Acquainting the students with tools techniques of planning, analyzing, designing, implementing and maintaining Information system         3           3         Understand techniques and tools for data process modeling , entity – relationship diagrams & physical database diagrams         4           4         Understand techniques and tools for data process modeling , entity – relationship diagrams & physical database diagrams         8           4         Understand techniques and tools for data process modeling , entity – relationship diagrams & physical database diagrams         8           4         Understand techniques and tools for data process modeling , entity – relationship diagrams & physical database diagrams         8           4         Understand techniques of system Analysis and Design, Business System Concepts, Characteristics of a System Elements of a System, Types of Systems, Systems Models, Categories of Information & Information Management System. SAD/SE state of the art, gaps, industry focus and research.         System Development Life Cycle: Investigation, Analysis, Design, Implementation, Post Implementation Review and Maintenance. V Process Model, Introduction to Agile Methodology, Iterative-incremental process models – RUP and Scrum comparative analysis.           UNIT-II         Specifications & Stre					
Image         Provide knowledge of different concepts of system analysis and design so that students will be able to develop information systems using different methodologies, tools, techniques and approaches.           2         Acquaining the students with tools techniques of planning, analyzing, designing, implementing and maintaining Information system         3           3         Understand techniques and tools for data process modeling , entity – relationship diagrams & physical database diagrams         4           4         Understand techniques         8           6         Course Contents / Syllabus         8           7         System Engineering Ethics         8           8         System Sthics- Over View of System Analysis and Design, Business System Concepts, Characteristics of a System, Spytem of Systems, Systems Models, Categories of Information & Information Management System. SAD/SE state of the art, gaps, industry focus and research.           System Development Life Cycle: Investigation, Analysis, Design, Implementation, Post Implementation Review and Maintenance. V Process Model, Introduction to Agile Methodology, Iterative-incremental process models – RUP and Scrum comparative analysis.           UNIT-II         Specifications: System Requirement Specifications, Requirement Specification Process Elicitation, Analysis, Documentation, Review and Management of User Needs, concepts, methods and standards. Feasibility Analysis: Feasibility Study, Steps in Feasibility Analysis; Feasibility Report Information Modelling, IEEE Standards for SRS.           Structured Analysis:Data Flow Diagrams, Entity Relationship Diagrams, Use c					-
develop information systems using different methodologies, tools, techniques and approaches.           2         Acquainting the students with tools tochniques of planning, analyzing, designing, implementing and maintaining Information system           3         Understand techniques and tools for data process modeling, entity – relationship diagrams & physical database diagrams           4         Understand the project monitoring tools & techniques           Course Contents / Syllabus           UNIT-1           System Engineering Ethics           System Ethics- Over View of System Analysis and Design, Business System Concepts, Characteristics of a System, Types of Systems, Systems Models, Categories of Information & Information Management System. SAD/SE state of the art, gaps, industry focus and research.           System Engineering Ethics           System Development Life Cycle: Investigation, Analysis, Design, Implementation, Post Implementation Review and Maintenance. V Process Model, Introduction to Agile Methodology, Iterative-incremental process           models – RUP and Scrum comparative analysis.           Requirement Specifications: System Requirement Specifications, Requirement Specification Process           Bioinformation Modelling, IEEE Standards for SRS.           Structured Analysis: Coasign Tables, Data Dictionary; Process Modeling: Structured English, Decision Tables, Object-Oriented Analysis & Design (OOD). Tools (EA & Star UML).           UNIT-II					
2       Acquainting the students with tools techniques of planning, analyzing, designing, implementing and maintaining information system         3       Understand techniques and tools for data process modeling , entity – relationship diagrams & physical database diagrams         4       Understand the project monitoring tools & techniques         Course Contents / Syllabus         System Engineering Ethics         System Sthies- Over View of System Analysis and Design, Business System Concepts, Characteristics of a System, Types of Systems, Systems Models, Categories of Information & Information Management System. SAD/SE state ofthe art, gaps, industry focus and research.         System Development Life Cycle: Investigation, Analysis, Design, Implementation, Post Implementation Review and Maintenance.V Process Model, Introduction to Agile Methodology, Iterative-incremental process: models – RUP and Scrum comparative analysis.         UNIT-II         Specifications System Requirement Specification Process         Becification: System Requirement Specifications, Requirement Specification Process         Biolisi Data Flow Diagrams, Entity Relationship Diagrams,Use case Diagram, Activity Diagram, Class Diagram, Decision Tables, Data Dictionary; Process Modeling: Structured English, Decision Tree & Decision Table, Object-Oriented Analysis & Design (OOD). Tools (EA & Star UML).         UNIT-II         Project Organization & Scheduling         Biolisi Investigation: Pasis for Planning in Systems An				be able 1	to
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requirements, Computer evaluation and measurement, Maintenance and Support, Vendor Selection, Software Selection, Criteria for Software Selection, Performance Evaluation. UNIT-V Software Quality & Trends 8 Hours Software Quality Assurance (SQA): Quality concepts, Software quality assurance, SQA activities, Forma approaches to SQA; Statistical software quality assurance; CMM, The ISO 9000 Standard, Six sigma. Types of Review: Inspections, Desk checks, Walkthroughs, Code Reviews, Pair Programming. Latest Trends in SAD: Cloud & DevOps.	UNIT-IV System Implementation			8	8 Hours
Selection, Criteria for Software Selection, Performance Evaluation.UNIT-VSoftware Quality & TrendsSoftware Quality Assurance (SQA): Quality concepts, Software quality assurance, SQA activities, Forma approaches to SQA; Statistical software quality assurance; CMM, The ISO 9000 Standard, Six sigma.Types of Review: Inspections, Desk checks, Walkthroughs, Code Reviews, Pair Programming.Latest Trends in SAD: Cloud & DevOps.	System Implementation: Implementation Plan, Hardware Selection, I	Determ	ining	size a	nd capacity
UNIT-VSoftware Quality & Trends8 HoursSoftware Quality Assurance (SQA): Quality concepts, Software quality assurance, SQA activities, Forma approaches to SQA; Statistical software quality assurance; CMM, The ISO 9000 Standard, Six sigma.8 HoursTypes of Review: Inspections, Desk checks, Walkthroughs, Code Reviews, Pair Programming. Latest Trends in SAD: Cloud & DevOps.8 Hours	requirements, Computer evaluation and measurement, Maintenance and Supp	oort, V	endor	Selectio	on, Software
Software Quality Assurance (SQA): Quality concepts, Software quality assurance, SQA activities, Forma approaches to SQA; Statistical software quality assurance; CMM, The ISO 9000 Standard, Six sigma. Types of Review: Inspections, Desk checks, Walkthroughs, Code Reviews, Pair Programming. Latest Trends in SAD: Cloud & DevOps.	Selection, Criteria for Software Selection, Performance Evaluation.				
approaches to SQA; Statistical software quality assurance; CMM, The ISO 9000 Standard, Six sigma. <b>Types of Review:</b> Inspections, Desk checks, Walkthroughs, Code Reviews, Pair Programming. <b>Latest Trends in SAD</b> : Cloud & DevOps.	UNIT-V Software Quality & Trends			8	8 Hours
<b>Types of Review:</b> Inspections, Desk checks, Walkthroughs, Code Reviews, Pair Programming. <b>Latest Trends in SAD</b> : Cloud & DevOps.		suranc	e, SQ	A activi	ties, Forma
<b>Types of Review:</b> Inspections, Desk checks, Walkthroughs, Code Reviews, Pair Programming. <b>Latest Trends in SAD</b> : Cloud & DevOps.	<b>Software Quality Assurance (SQA):</b> Quality concepts, Software quality as	00.0	ndard	Six sio	ma
<b>•</b>		00 Sta	muaru,	517 515	,11100.
	approaches to SQA; Statistical software quality assurance; CMM, The ISO 90				

CO 1	Understand the principles and tools of system analysis and design & the basic concept of SDLC	(Understand) K2
	Apply appropriate Information systems tools & Techniques to create	(Apply) K3
CO 2	solutions to information systems problems.	
<b>CO</b> 2	Learn & Understand the basic concept of Project Scheduling, PERT,	(Evaluate) K4
CO 3	CPM and Bar Chart	
CO 4	Llearn and evaluate software implementation with a clear	(Evaluate) K4
	understanding on quality assurance and quality framework.	
CO 5	Learn types of Project review and new trends in SAD	(Apply) K3
Text bo	oks	
. I.T.Ha	ryszkiewycz, Introduction of System Analysis and Design, Pearson Educat	ion, (PHI) 1998.
2. V.Ra	araman, Analysis and Design of Information System, Pearson Education,	1991.
3. J.A.S	enn, "Analysis and Design of Information Systems" McGraw-Hill.	
4. R. S.	Pressman, Software Engineering: A Practitioners Approach, McGraw Hill	
5. Rajib	Mall, Fundamentals of Software Engineering, PHI Publication.	
6. Softwar	re Project Management by M. Cotterell	
Referen	ce Books	
	Aggarwal and Yogesh Singh, Software Engineering, New Age International Publishers. are Project Managemnet by S. A. Kelkar	

			Cour	se Nam	ne: M	BA/	Sec	cond	l Yea	r- Se	eme	ster 4	1				
Course C	Code	AM	BALS0412	2								L	Т		Р	(	Credit
Course T	Course Title Information Systems in Log Chain			ogisti	ics a	and	Supj	ply		3	0		0		3		
Course C	)bjecti	ive: O	bjective of	this co	ourse i	is to:	:					Du	ation	1: <i>•</i>	40 H	ours	
			ve of the co entify susta			-						0	0				n strategy
				Co	ourse	Con	nten	nts /	Sylla	bus							
UNIT-I			Digitizin	g suppl	y chai	in											7 Hours
Different Transform	Model nation	ls of E and	al business E-Business. Omnichan ocess and o	Introdu nel Re	iction, evoluti	, Dig	gitiz	zing	vs Di	igital	izing	g in S	Suppl	y C	Chain	s. e-C	ommerce
UNIT-II			Managin	g Digita	al Bus	sines	ss I	nfra	stru	cture	•						9 Hours
and Oppo	ortunitie I	es.	ting provid Procure	nent an	nd E L	Logis	stics	:S									9 Hours
procurem procurem (ASN), T systems ( Frequenc	ent, Be ent ado racking GIS), E y Ident	enefits option g syste Bar-co	ocurement j s of e-procu . Push and ems, Satelli oding and s ion and Det	rement, Pull Su ite globa canning tection (	, Estin pply ( al posi g, Digi (RFID	matir Chain sition ital S D).	ng e n, E ning Sign	e-pro E- Lo g syst natur	ocuren ogisti tems e Tec	ment cs Te (GPS chnol	cos echn S) ar ogy	ts, Ba ologi d ge , Wir	arriers es, A ograp eless	s ar dva bhic	nd ris ance c info	sks of Ship I ormati	e- Notice on - Radio
UNIT-IV			Sustaina	-													7 Hours
Procurem	ent and	d Purc	hain and Gr Chasing – D – Green pu	efinitio	ons of g	gree	en pi	urch	asing	$g - D_1$	rive	s of	green	pu	irchas	sing –	Green
UNIT-V			Green Lo	ogistics	and t	trans	spo	ortati	ion								7 Hours
practices	– Envi oop sup	ironme pply cl	Logistics – ental impac hain / circ	ets of tra	anspo	ortati	on a	and	logis	tics.	Clos	sing t	the Lo	oop	: Re	verse	Logistics
Course o	utcom	le:	At the end	l of cou	ırse, t	the st	tud	lent	will l	be ab	ole to	):					

CO1	Understand the digitization of supply chain to meet modern user needs	Understanding (K2)
CO2	Creating a sustainable digital infrastructure with technological integration	Creating (K6)
CO3	Understand and apply advanced technologies for effective e -procurement and e-logistics	Applying (K3)
CO4	Understand sustainable supply chains and green procurement processes	Understanding (K2)
CO5	Understand the concept of green logistics and transportation	Understanding (K2)
Text b	ooks	

1. Mangla, S. K., Luthra, S., Jakhar, S. K., Kumar, A., & Rana, N. P. (Eds.). (2019). Sustainable Procurement in Supply Chain Operations. CRC Press.

- 2. Reintjes, M. (2023). 13 Sustainable Procurement and Logistics Management. Sustainable Business Management, 209.
- 3. Chaffy D, Digital Business and E commerce Management Strategy, Implementation and Practices.Pearson
- 4. Oswald G., Kleinemeier M., Shaping the Digital Enterprise: Trends and Use Cases in Digital Innovation and Transformation.Springer

## **Reference Books**

- David B, G., Trautrims, A., & Wong, C. Y. (2021). Sustainable logistics and 1. supply chain management. Kogan page.
- 2. Joseph, P. T. (2023). E-commerce: An Indian perspective. PHI Learning Pvt. Ltd..
- Ayers, "Costs Getting to the Root Causes," Supply Chain Management 3. Review, November/December 2003, 24-30.
- 4. Johnson, M. E. and S. Whang (2002). "E-business and Supply Chain Management: An Overview and Framework." Production and Operations Management 11(4): 413-423.

# Links:

https://procurementmag.com/procurement-strategy/amazon-business-sustainability-throughdigital-procurement https://www.industryweek.com/technology-and-iiot/article/21168392/inside-tata-steels-digitaltransformation

https://voutu.be/Xj31iRr9v28

	Course Name: MBA Second Year / Sem				
Course Code	AMBALS0411	L	Т	Р	Credit
Course Title	Global Business Management for Logistics & Supply Chain	3	0	0	3
Course Objecti	ive: Objective of this course is to:	Dur	ation	40 H	ours
know intern insigh	ints will be well versed with global supply chain and ledge in the field of international trade & logistics. T hational operations related to logistics & supply chain its about global supply chain practices for catering in hational marketing and sales plans.	ney wi n and	ll und woul	erstanc d be a	the process of ble to develop
I	Course Contents / Syllabus				
UNIT-I	Global Supply Chains				8 Hours
supply chains, r UNIT-II	isks & mitigation.				1
-	International Trade & Logistics ion-making criteria attendant to global import/export				entry strategies
evaluation of in global sourcing,		nal log diarie	gistics s.	opera	entry strategies tions including
evaluation of in global sourcing, Trade documen	ion-making criteria attendant to global import/export nternational opportunities. Management of internation global transportation, facility network design, interme	nal log diarie	gistics s.	opera	entry strategies tions including
evaluation of in global sourcing, Trade document <b>UNIT-III</b> Introduction to Global supply c management, Re	ion-making criteria attendant to global import/export nternational opportunities. Management of internation global transportation, facility network design, interme- tation: operations, government agencies, import/expor International Operations Management operations management, Process, product and service of hain management, Operations planning. Global operations esource and capacity planning, Global procurement management ma	nal log diaries chanr lesign,	gistics s. nel net	opera works.	tions including <b>8 Hours</b> Quality
evaluation of in global sourcing, Trade document UNIT-III Introduction to of Global supply c management, Re	ion-making criteria attendant to global import/export nternational opportunities. Management of internation global transportation, facility network design, interme- tation: operations, government agencies, import/expor International Operations Management operations management, Process, product and service of hain management, Operations planning. Global operat esource and capacity planning, Global procurement management manage	nal log diarie chanr lesign, tons su magen	gistics s. hel net	opera works. bility,	entry strategies tions including <b>8 Hour</b> Quality <b>8 Hour</b>
evaluation of in global sourcing, Trade document UNIT-III Introduction to of Global supply comanagement, Ro UNIT-IV Analysis, planni Procurement an	ion-making criteria attendant to global import/export nternational opportunities. Management of internation global transportation, facility network design, interme- tation: operations, government agencies, import/expor International Operations Management operations management, Process, product and service of hain management, Operations planning. Global operations esource and capacity planning, Global procurement management ma	hal log diaries chanr lesign, ons su nagen ocurem lobal s	gistics s. hel net ustaina nent. hent an supply	opera works. bility, d supp -chain	entry strategies tions including <b>8 Hours</b> Quality <b>8 Hours</b> oly activities, networks.
evaluation of in global sourcing, Trade document <b>UNIT-III</b> Introduction to of Global supply c management, Ro <b>UNIT-IV</b> Analysis, planni Procurement an Strategic sourcin	ion-making criteria attendant to global import/export nternational opportunities. Management of internation global transportation, facility network design, interme- tation: operations, government agencies, import/expor International Operations Management operations management, Process, product and service of hain management, Operations planning. Global operat esource and capacity planning, Global procurement ma- secure and capacity planning, Global procurement ma- secure and management of domestic and international pro- d supply management in the context of domestic and g	hal log diaries chanr lesign, ons su nagen ocurem lobal s	gistics s. hel net ustaina nent. hent an supply	opera works. bility, d supp -chain	entry strategies tions including <b>8 Hours</b> Quality <b>8 Hours</b> oly activities, networks.
evaluation of in global sourcing, Trade document UNIT-III Introduction to of Global supply c management, Ro UNIT-IV Analysis, planni Procurement an Strategic sourcin management. UNIT-V International sa preferences, Ev solutions, Trade	ion-making criteria attendant to global import/export nternational opportunities. Management of internation global transportation, facility network design, interme- tation: operations, government agencies, import/expor International Operations Management operations management, Process, product and service of hain management, Operations planning. Global operat esource and capacity planning, Global procurement ma- source and capacity planning, Global procurement ma- supply Chain Practices ing, and management of domestic and international pro- d supply management in the context of domestic and g ng relationships, Supply management best practices, E	hal log diaries chanr lesign, lons su nagen bcurem lobal s -persp : Tar n to c	gistics s. hel net istaina nent. hent an supply ectives get m create	opera works. bility, d supp -chain s on su narket market	entry strategies tions including <b>8 Hour</b> Quality Quality <b>8 Hour</b> oly activities, networks. pply <b>8 Hour</b> demands and ting and sale

CO1:	Understand the global supply chain and logistics system	Understand (K2)					
CO2:	Analyse various aspects of international trade and logistics	Analyse (K4)					
CO3:	Develop international operations efficiently and effectively	Create (K6)					
CO4:	Develop plans to efficiently utilize global supply chain networks. Create (K6)						
CO5:	Create international marketing and sales plans pertinent to global logistics & supply chain	Create (K6)					
Text bo	ooks						
1.	Rusell, R. S., Taylor, B., Gudavaletti P.K., (2023). Operations & S	upply Chain Management. Wiley					
Referen	Reference Books						
8.	8. Mangan J., Lalwani C., Calatayud A. (2021), Global Logistics and Supply Chain Management.						
	Wiley						
9.	9. Chopra, S.(2021). Supply Chain Management: Strategy, Planning & Operations. Pearson						
Links:	Links:						
https://w	nttps://www.youtube.com/watch?v=VT9AuMNQUMU						

https://www.youtube.com/watch?v=4-QU7WiVxh8

Course Code	AMBALS0413	L	Т	Р	Credit
Course Title	Supply Chain Analytics	3	0	0	3
Course Object	ive: Objective of this course is to:	Dui	ration:	40 Hou	irs
mana	rstanding the core concepts of supply chain gement. Learning application of quantitativ lishing effective supplier relation with applic	e techniques for	manag		
I	Course Contents / Sy	llabus			
UNIT-I	Supply Chain Management				8 Hours
Inventory, Typ	Inventory Management es & nature of inventory, Methods for in				vendor model
Inventory, Typ Inventory syste analysis, Just in management.	es & nature of inventory, Methods for it ems, Periodic and continuous reviews, In n Time (JIT), Minimum requirement plan	nportant docum ning (MRP), En	ents. A	ABC a	vendor model nalysis, XYZ in inventory
Inventory, Typ Inventory syste analysis, Just in management.	es & nature of inventory, Methods for it ems, Periodic and continuous reviews, It	nportant docum ning (MRP), En	ents. A	ABC a	vendor model nalysis, XYZ in inventory
Inventory syste analysis, Just in management. UNIT-III	es & nature of inventory, Methods for it ems, Periodic and continuous reviews, In n Time (JIT), Minimum requirement plan Quantitative Techniques for SCM ming Problems (LPP), Facility Location Dec	nportant docum ning (MRP), En	ents. A	ABC at trends	nalysis, XYZ in inventory 8 Hours
Inventory, Typ Inventory syste analysis, Just in management. <b>UNIT-III</b> Linear Program	es & nature of inventory, Methods for it ems, Periodic and continuous reviews, In n Time (JIT), Minimum requirement plan Quantitative Techniques for SCM ming Problems (LPP), Facility Location Dec	nportant docum ning (MRP), En	ents. A	ABC at trends	vendor model nalysis, XYZ in inventory <b>8 Hours</b> of Variation
Inventory, Typ Inventory syste analysis, Just in management. UNIT-III Linear Program (CoV), Regress: UNIT-IV Lean, Applicatio	es & nature of inventory, Methods for it ems, Periodic and continuous reviews, In n Time (JIT), Minimum requirement plant Quantitative Techniques for SCM ming Problems (LPP), Facility Location Dec ion, ANOVA.	nportant docum ning (MRP), En	on, Coe	ABC an trends	vendor model nalysis, XYZ in inventory <b>8 Hours</b> of Variation <b>8 Hours</b>
Inventory, Typ Inventory syste analysis, Just in management. UNIT-III Linear Program (CoV), Regress: UNIT-IV Lean, Applicatio	es & nature of inventory, Methods for it ems, Periodic and continuous reviews, In n Time (JIT), Minimum requirement plant Quantitative Techniques for SCM ming Problems (LPP), Facility Location De- tion, ANOVA. Lean Operations Management on of Lean concept. Quality, Models of qual	nportant docum ning (MRP), En cision. Correlatio	on, Coe	ABC an trends	vendor model nalysis, XYZ in inventory <b>8 Hours</b> of Variation <b>8 Hours</b>

Course	outcome: At the end of course, the student will be ab	le to:
CO1	Understand relevant concepts of supply chain analytics	Understand (K2)
CO2	Evaluate the issues in inventory management for better functioning	Evaluate (K5)
CO3	Apply various quantitative techniques to manage various facets of supply chain process.	Apply (K3)
CO4	Apply the concepts of quality control and lean in managing supply chain.	Apply (K3)
CO5	Develop a relationship network of stakeholders for smooth operations.	Create (K6)
Text be	ooks	
	Robertson W. Peter, Supply Chain Analytics: Using Data to Optim Routledge	mise Supply Chain Processes,
Refere	nce Books	
1.	Liu, Y. Kurt. Supply Chain Analytics: Concepts, techniques & app	plication, Springer Nature
Links:		
1.	https://www.academia.edu/39043818/Supply_chain_analy	<u>ytics</u>
2.	https://www.youtube.com/watch?v=9FDKcxea3h8&list=	PLnD8JdB5BhfQAqqcyN7fe0pos
	EQX9rvwO&index=3	

Course C	aho'	АЛЛР	Course Name: MBA Second Year/S 3ABA0412		Т	Р	Credit
			hine Learning and Artificial Intelligence	3	0	<u>0</u>	3
Course C	v		ojective of this course is to:			: 40 Ho	
	machin	ne lear	we of this course is to make student und rning, supervised and machine learning mo be of AIML in business.				
			Course Contents / Syllabus	5			
UNIT-I			Artificial Intelligence (AI)				7 Hours
		olicatio	ong AI vs. weak AI, Functions of AI, Characons of AI. Historical milestones in the devel				tributors. <b>8 Hour</b>
UNI I - II			Search Techniques				o nours
uniform s memory	search s bounde	trategi d heur	ted search, bidirectional search, comparing ies. Heuristic search strategies Greedy best ristic search: local search algorithms & c aling search, local beam search.				
UNIT-II	[		Machine Learning				9 Hours
Issues in Confusio	Machin n metric	e Lear cs, AU	action of Machine Learning Approaches, rning and Data Science Vs Machine Learnin IC-ROC, Sensitivity and specificity Analysi Sitting, Bias and Variance, Concept Learning	is.	ductive	e Bias.	
UNIT-IV	r		Supervised Learning				8 Hours
Linear Re Trees: ID	0		Itiple Linear Regression, Logistic Regression, Contract Regression, Cont	on, Polyno	omial F	Regressio	on, Decision
UNIT-V			Unsupervised Learning				8 Hours
			ing, K-means clustering, K-Nearest Neighb us, categorical values in K-Means, K-Mode				-

CO1	Understand the concept of Artificial Intelligence.	Understanding (K2)
CO2	Apply the concepts of AI in solutions that require problem-solving, inference, and perception.	Applying (K3)
CO3	Understand the concept of Machine Learning.	Understanding (K2)
CO4	Understand and apply the basic supervised machine learning algorithms.	Applying (K3)
CO5	Understand and apply unsupervised machine learning algorithms.	Applying (K3)
Text bo	ooks	

1. Yadav, S. P., Mahato, D. P., & Linh, N. T. D. (Eds.). (2020). Distributed artificial intelligence: A modern approach. CRC Press.

2. Burkov, A. (2019). The hundred-page machine learning book (Vol. 1, p. 32). Quebec City, QC, Canada: Andriy Burkov.

#### **Reference Books**

1. Raschka, S., & Mirjalili, V. (2019). Python machine learning: Machine learning and deep learning with Python, scikit-learn, and TensorFlow Packt Publishing Ltd.

2. Rebala, G., Ravi, A., & Churiwala, S. (2019). An introduction to machine learning. Springer.

	Course Name: MBA Second Y	/ear/ Semester	• 4		
Course Code	AMBABA0411	L	Т	Р	Credit
<b>Course Title</b>	Data Visualization	3	0	0	3
Course Objecti	ve: Objective of this course is to:	D	uratior	n: 40 Ho	urs
	ourse will introduce the main concepts of Tableau and Power BI.	f data visualiz	ation w	ith a hai	nds-on tutorial
	Course Contents / Sy	yllabus			
UNIT-I	Data Visualisation				6 Hours
categories Desig	a and Data visualisation, Foundations for a principles. Need for Power BI and Tab talling Tableau, Menus and Toolbar, Con	oleau, Power H	I vs. T	ableau,	Reporting and
UNIT-II	Tableau				9 Hours
plot, tree map, cr UNIT-III Dual Axis Report	ata calculations to your visualization. Area rosstab, geographic map, waterfall. <b>Distributing, and Publishing</b> rts, Blended axis, add reference lines, refere				7 Hours
	PIs, create a story.				
UNIT-IV	Introduction to Power BI				8 Hours
and merging que	op Overview, Data Discovery with Power E ries, combining files, adding columns. Mo K Basics, Navigation Function, Calculated '	deling Basics,	Model I	Enhancei	ments, What If
UNIT-V	Visualizing Data in Power BI				10 Hours
data, Data Trer Storytelling. De Q&A, Excel Int Gateway, Sched	nteractive Reports - Adding Slicers for F ds, Categorical and Trend Data Togethe ploying to the Power BI Service, Creating egration, Export and Embed Options. Ref uling a Data Refresh. Power BI Mobile O acting with the Power BI Mobile App.	er, Geographi g and Sharing freshing Data	cal Dat Dashbo Overvie	a with bards, Us w, Insta	Maps, Digital sing Power BI Illing the Data

Course outcome: At the end of course, the student will be able to:					
Understand the concepts required for Data Visualization.	Understanding (K2)				
Illustrate and analyze data using various functions in Tableau Desktop.	Analyse (K4)				
Creating ad-hoc reports, data visualizations, and dashboards for publishing using Tableau Desktop.	Creating (K6)				
Analyze data and create data models using Power BI Desktop.	Creating (K6)				
Creating reports and dashboards using Power BI Desktop.	Creating (K6)				
	Understand the concepts required for Data Visualization.Illustrate and analyze data using various functions in Tableau Desktop.Creating ad-hoc reports, data visualizations, and dashboards for publishing using Tableau Desktop.Analyze data and create data models using Power BI Desktop.				

## Text books

1. Wilke, C. O. (2019). Fundamentals of data visualization: a primer on making informative and compelling figures. O'Reilly Media.

Lachev, T., & Price, E. (2015). Applied microsoft power BI: bring your data to life!. Prologika Press.
 Loth, A. (2019). Visual analytics with Tableau. John Wiley & Sons.

## **Reference Books**

1. Ferrari, A., & Russo, M. (2016). Introducing Microsoft Power BI. Microsoft Press.

2. Milligan, J. N., Hutchinson, B., Tossell, M., & Andreoli, R. (2022). Learning Tableau 2022: Create effective data visualizations, build interactive visual analytics, and improve your data storytelling capabilities. Packt Publishing Ltd.

# Links:

1. Dashboard Design Tips: Creative Ways to Use Images | Tableau Conference 2023 - Bing video

2. <u>Tableau KPI Dashboard Design tutorial for Business Step by Step - Bing video</u>

3. <u>How to Install Tableau and Create First Visualization | Tableau Tutorials for Beginners - Bing video</u>

4. <u>Building A Quarterly Sales Forecast Dashboard Using Tableau | Sales Forecast Dashboard Using Tableau - Bing video</u>

Course Name: MBA Second Year /Semester 4					
Course Code	AMBABA0413	L	Т	P	Credit
<b>Course Title</b>	Social Media Analytics	3	0	0	3
<b>Course Objec</b>	ive: Objective of this course is to:	Dur	ation:	40 Ho	urs
The objective of this course is to make students learn the foundation understanding of web and social media metrics and analytics, develop social media strategy, and measure social media campaign effectiveness. Students will also be able to make better business decisions by leveraging social media data.					
UNIT-I	Course Contents / Syllabus Introduction to Social Media Data				7 Hours
Types of data on social platforms, ethical sensitivities in obtaining and operating on social data, social platform API to obtain data, and data structure. Loading of social media corpus, summary statistics, visualize the corpus along geographic and temporal axes.					
UNIT-II	Text Analytics and Text Mining				8 Hours
•	and Text Mining Concepts and Definitions, Natural L ext Mining Process, Text Mining Tools. Web Analytics				8 Hours
Web Metrics, Link Analysis and Web Search, Web Structure Mining, Search Engines, Search Engine Optimization. Web analytics - Web analytics 2.0 framework, Web Analytics Maturity Model and Web Analytics Tools, Natural Language Processing Techniques for Micro-text Analysis PULSE metrics on business and technical issues; HEART metrics on user behaviour issues; On-site web analytics, off-site web analytics, the goal signal-metric process.					
UNIT-IV	Social Media Analytics				8 Hours
Social media KPIs (reach and engagement) - Performing social media analytics, Social Analytics and Social Network Analysis, Social Media Analytics. Social campaigns. Measuring and Analyzing social campaigns, defining goals and evaluating outcomes, Network Analysis. (LinkedIn, Instagram, YouTube Twitter etc.					
UNIT-V	Sentiment Analysis				9 Hours
Sentiment Classification, Feature-Based Opinion Mining and Summarization, Comparative Sentence and Relation Mining, Opinion Search, Opinion Spam. Data Collection and Pre-Processing, Data Modeling for Web Usage Mining, Discovery & analysis of web usage patterns.					
Course outcor	Course outcome: At the end of course, the student will be able to:				

CO1	Understand the types of social media data and the ethical sensitivity of this data.	Understanding (K2)				
CO2	Understand and apply the concepts of text analytics.	Applying (K3)				
CO3	Understand and apply web analytics and related concepts.	Applying (K3)				
CO4	Draw meaningful insights and provide actionable and strategic recommendations based on thorough social media data analysis.	Evaluating (K5)				
CO5	Compute sentiment over social media text.	Evaluating (K5)				
Text b	Text books					

1. Kumar, S., & Qiu, L. (2021). Social media analytics and practical applications: The change to the competition landscape. CRC Press.

2. Yigitcanlar, T., & Kankanamge, N. (2022). Urban Analytics with Social Media Data: Foundations, Applications and Platforms. CRC Press.

3. Agrawal, R., & Gupta, N. (Eds.). (2018). Extracting knowledge from opinion mining. IGI Global.

## **Reference Books**

1. Finger, L., & Dutta, S. (2014). Ask, measure, learn: using social media analytics to understand and influence customer behavior. " O'Reilly Media, Inc.".

2. Agarwal, B., Nayak, R., Mittal, N., & Patnaik, S. (Eds.). (2020). Deep learning-based approaches for sentiment analysis (p. 4). Singapore: Springer.

3. Ram, J., & Zhang, C. (2021). Examining the role of social media analytics in providing competitive intelligence: The impacts and limitations. Journal of Global Information Management (JGIM), 29(6), 1-18.

4. Zhang, L., Wang, S., & Liu, B. (2018). Deep learning for sentiment analysis: A survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 8(4), e1253.