B.Com. (E-Commerce)

Syllabus

AFFILIATED COLLEGES

Program Code: 2AD

2021 - 2022 onwards



BHARATHIAR UNIVERSITY

(A State University, Accredited with "A++" Grade by NAAC, Ranked 21st among Indian Universities by MHRD-NIRF)

Coimbatore - 641 046, Tamil Nadu, India

Program Educational Objectives (PEOs)						
	om (E-commerce) program describes the accomplishments that graduates are					
expected	to attain within five to seven years after graduation					
	To incorporate the knowledge of commerce and e-commerce well-designed areas					
PEO1	that combine hands-on projects and applications that is vital for creating					
	successful and competitive firms in order to develop a holistic organizational					
outlook.						
	To make students acquainted with technical, managerial and accounting concepts					
PEO2	for understanding information systems to develop business processes and take					
	managerial decisions there by gaining experience for developing basic Internet					
	applications.					
	To learn the business models as an integral part for understanding the practical					
PEO3	aspects of Ecommerce applications that can be helpful for building digital based					
	applications to provide corporate as well as business solutions.					
	To discuss the concepts of e-commerce up-coming technologies in the wireless					
PEO4	arena of business applications based on industry standards for the future trends in					
	modern e-business application.					
	To enhance the knowledge on visual based programming language and object-					
PEO5	oriented language in different business applications using various design					
	principles portraying the concepts of e-commerce applications in business					
	activities.					



Program	Program Specific Outcomes (PSOs)				
After the	successful completion of BCom (E-commerce) program, the students are expected				
to					
PSO1	PSO1 Know and apply the various accounting concepts to solve the accounting related business transactions.				
PSO2	Acquire the knowledge on the e-commerce applications in various arenas of business.				
PSO3	Solve the web applications related issues of e-business using web design tools, techniques and methods.				
PSO4	Analyze the real e-business problems by using the different applications and procedures oriented with language programs				
PSO5	Enrich the practical knowledge on initiating new e-business ventures.				



Program	Outcomes (POs)			
On succe	ssful completion of the B.Com (E-commerce) program students are able to			
PO1	Enhance knowledge on the theoretical and practical aspects of Accounts and E-business.			
PO2 Acquire the practical exposure on internet and web design applications to perform the e-business transactions.				
PO3	Get the training to learn how to develop and deploy successful performance applications and increase the productivity of the e-business.			
PO4	PO4 Obtain the practical application exposure on e-business ventures			
PO5	Apply object oriented or non-object-oriented techniques to solve e-business computing problems which make students a good programmer.			



BHARATHIAR UNIVERSITY:: COIMBATORE 641 046 B.Com (e-Commerce) Curriculum for Affiliated Colleges

(For the students admitted during the academic year 2021 – 22 onwards)

Course	Title of the Course	Credits	Н	ours	Maximum Mar		Iarks
Code	The of the Course		Theory	Practical	CIA	ESE	Total
			SEMESTER	T		T	1
I	Language-I	4	6	-	50	50	100
II	English-I	4	6	-	50	50	100
III	Core I – Principles of Accountancy	4	4	-	50	50	100
III	Core II–Business Organisation and Office Management	4	4	-	50	50	100
III	Allied Paper I : Introduction of Information Technology	4	4	-	50	50	100
III	Core III–Computer Applications: MS Office -Practical-I			4			
IV	Environmental Studies #	2	2		-	50	50
	Total	22	26	4	250	300	550
		SECONI	SEMES	TER		•	•
I	Language-II	4	6	-	50	50	100
II	English-II	4	6	-	50	50	100
III	Core IV – Advanced Accounting	4	4	-	50	50	100
III	Core V – Database Management System	4	4	-	50	50	100
III	Core VI – Computer Applications: Oracle - Practical-I	4	-	4	50	50	100
III	Allied Paper II : Mathematics for Business	4	4	-	50	50	100
IV	Value Education – Human Rights #	2	2	-	-	50	50
	Total	26	26	4	300	350	650
		THIRD	SEMEST	ER	-	•	
III	Core VII – Principles of Marketing	4	5	-	50	50	100
III	Core VIII – Object Oriented Programming with C++	4	5	-	50	50	100
III	Core IX – Cost Accounting	4	6	-	50	50	100

_		1	Г			T	_
III	Allied : III – Statistics for Business	4	5	-	50	50	100
III	Core X – Computer Applications: C++ - Practical II	-	-	4			
IV	Skill based Subject-1 : Commercial Law	3	3	-	30	45	75
IV	Tamil @ /Advanced Tamil #	(or)Non2	major2	-			50
	Elective—I:			l		50	
	Yoga for Human Excellence Constitution of India #	# / Wome	n's Rights	#			
	Total	21	26	4	230	295	525
			I SEMES'	TER			
111		•	•		T 50	50	100
III	Core XI – Principles of Auditing	4	6	_	50	50	100
III	Core XII – Internet and Web Designing	3	5	-	50	50	100
III	Core XIII – Executive	3	5		50	50	100
	Business						
	Communication						
III	Core XIV – Computer	4		4	50	50	100
	Applications		20				
	(Internet & Web	100	NE.	1			
	Designing) -	1	-	/23 P			
III	Practical II	3	3	-	50	50	100
1111	Allied : IV : Principles of Management	3	3	20	30	30	100
IV	Skill based Subject-2:	3	3	7	30	45	75
	Company Law	N. C. C.	0,		T N	T y	
	Naan Mudhalvan -	Veri3			- Abil	ry.	
	Microsoft and Linkedin					1	
TX 7	career Essentials	2	2		50	1/4	50
IV	Tamil @ /Advanced	2	2	- 6	50	-	50
	Tamil #(or) Non-major elective - II:						
	General Awareness #	Dan.		Web (g)			
	Total	24	26	4	380	295	675
		- MARLE	SEMEST:	ER			
***			•		~ 0	.	100
III	Core XV – Software	4	4	-	50	50	100
TIT	Engineering Core XVI –	4	5		50	50	100
III	Management	4)	-	30	30	100
	Accounting						
III	Core XVII – E-	4	5	_	50	50	100
	Commerce Technology	'			20		
III	Core XVIII – Java Programming	3	4	-	50	50	100
III	Core XIX –Computer	<u> </u>		4			
111	Applications : Java	_					
	Programming						
	-Practical-III						
							•

III	Elective-I:	4	5	-	50	50	100
IV	Skill based Subject-3:	3	3		30	45	75
	Banking and Insurance						
	Law						
	Naan Mudhalvan Course:						
	Banking, Lending and						
***	NBFC Products and	2			2.5	7.5	100
IV	Services- 1	2	2	4	25	75	100
	Total	24	28	4	305	370	675
		SIXTH	SEMEST	ER			
III	Core XX – E-	4	6	-	50	50	100
	Commerce-II (Strategy						
	and Applications)						
III	Core XXI - Software	4	5	-	50	50	100
	Development with						
	Visual Basic						
III	Core XXII - Computer	4	-	4	50	50	100
	Applications : Visual						
TIT	Basic- Practical-III				70	70	100
III	Elective-II:	3	5		50	50	100
III	Elective–III :	3	5		50	50	100
	Naan Mudhalvan - Digital	Vite	Alexander	0.31			
	Banking ,Logistics,Audit			温温			
	Essentials	2	2		50		50
IV	Skill based Subject-4:	3	3	-/-	30	45	75
**	Cyber Law	Variable 1		1	70	ng.	
V	Extension Activities @	2	12	() ()	50	1	50
	Total	25	26	4	380	295	675
	Total	142		-			3750

ONLINE COURSES*

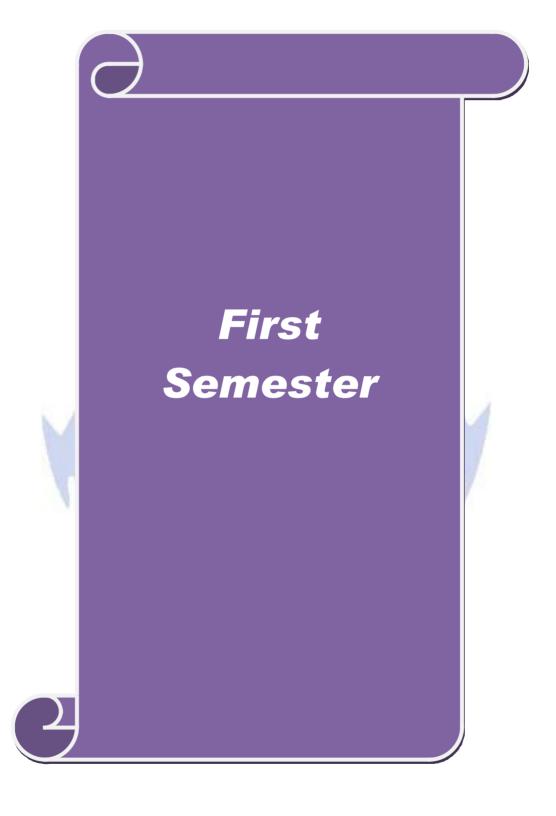
*SWAYAM courses will be implemented in the next year.

@ No University Examinations. Only Continuous Internal Assessment (CIA) # No Continuous Internal Assessment (CIA). Only University Examinations.

List of Elective Papers (Colleges can choose any one of the paper as electives)

Elective – I	A	Income Tax Law & Practice		
	В	Brand Management		
	С	Fundamentals of Insurance		
Elective – II	lective – II A Indirect Taxes			
	В	Supply Chain Management		
	C	Financial Markets		
Elective - III	A	Business Finance		
	В	Entrepreneurial Development		
	C	Project Work		

NOTE: The syllabus fourth Epaperser Advanced Accounting A Company Leavy Indirector No.41C Taxes and Business Finance are revised and furnished below. The existing Advance is the syllabus of the remaining papers.



Course code	TITLE OF THE COURSE	L	T	P	C
Core I	Principles of Accountancy	4	-	-	4
Pre-requisite	Basic knowledge on Principles of	Syllabı	ıs	202	1-22
1 1e-requisite	Accountancy	Version	n	202	1-22

The main objectives of this course are:

- 1. To acquire the basic accounting knowledge on principles and concept of accounting
- 2. To identify the errors in accounting and to rectify those errors
- 3. To effectively prepare final accounts, bills of exchange, bank reconciliation statements and accounting on joint ventures and consignment
- 4. To gain knowledge about preparation of final Accounts
- 5. To understand the account statements and procedures for calculation of Average due date methods

Exp	ected Course Outcomes:				
	the successful completion of the course, student will be able to:				
1	Recall the fundamental concepts of accounting and book keeping		K1		
2	Solve the errors in book keeping and identify the effect of BRS in a enterprise	an	K2		
3	Understanding the Bills of exchange and its transaction including Accommodation bills Gain knowledge about preparation of final Accounts				
4	Gain knowledge about preparation of final Accounts	AL L	K3		
5	Understand the Account Current statement and procedure for calculaterage due date methods	lation of	K2		
K1	- Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Ev	aluate; K6 –	Create		
IIn	it:1 INTRODUCTION		12 hours		
Fu	ndamentals of Book Keeping – Accounting Concepts and Convention besidiary books – Trial balance.	ns – Journal -			
Un	it:2 FINAL ACCOUNTS		12 hours		
Fin	al accounts of a sole trader with adjustments – Errors and rectification	on			
Un	it:3 BILL OF EXCHANGE		12 hours		
Bil	l of exchange- Accommodation bills – Average due date – Account of	current			
		4 CONSIGNMENTS AND JOINT VENTURES			
Ac	counting for consignments and Joint ventures				
Un	it:5 BANK RECONCILIATION STATEMENT		10 hours		
Ba	Bill of exchange- Accommodation bills – Average due date – Account current Unit:4 CONSIGNMENTS AND JOINT VENTURES Accounting for consignments and Joint ventures		e account		

		heet – Accounts of professionals. bution of Marks between problems and theory shall be 80% and	20%					
	it:6	<u> </u>	2 hours					
		Contemporary Issues	2 Hours					
EX	pert lecture	es, online seminars – webinars						
		Total Lecture hours	60 hours					
Te	ext Book(s)							
1	N.Vinayak	xam, P.L.Mani, K.L.Nagarajan – Principles of Accountancy – S.	.Chand & Company					
	Ltd.,							
2	T.S.Grewa	al – Introduction to Accountancy- S.Chand & Company Ltd.,						
3	R.L.Gupta	, V.K.Gupta, M.C.Shukla – Financial Accounting – Sultanchan	d & sons					
	_							
Re	eference Bo	ooks						
1	T.S.Grev	val, S.C.Gupta, S.P.Jain – Advanced Accountancy- Sultanchand	& sons					
2	K.L.Nara	ng, S.N.Maheswari - Adva <mark>nced Accou</mark> ntancy-Kalyani publishe	rs					
Re	elated Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	https://w	ww.youtube.com/watch?v=q11JtQorg0A						
2		ww.slideshare.net/rahulkapoliya/accounting-concepts-and-conv	ention					
3	-							
Co	ourse Desig	ned By:	5 A					

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	M	S	S	S	S
CO3	S	S	S	S	S
CO4	M	S	S	S	S
CO5	S	S	S	M	S

^{*}S-Strong; M-Medium; L-Low

Course code	Course code TITLE OF THE COURSE			P	С
Core II	Business Organization and Office Management	4	-	-	4
Pre-requisite	Basic knowledge on business organisation	Syllabi Version		202	21-22
Course Objectives:			•		

The main objectives of this course are to:

- 1. To enable the students to learn principles and concepts of business
- 2. To identify the types of businessorganization
- 3. To know about office management and principles
- 4. To gain knowledge about office management and indexing
- 5. To understand the Data processing system, EDP and itsuses

Exp	ected Course Outcomes:	
On	the successful completion of the course, student will be able to:	
1	Recall the various forms of business organization	K1
2	Understand the knowledge on sources of finance	K2
3	Understand on stock exchange options and trading	K2
4	Remember the knowledge about office management and indexing	K1
5	Understand the Data processing system, EDP and its uses	K2

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 INTRODUCTION 12 hours

Nature and scope of Business, Forms of Business Organisation – Sole Trader, Partnership firms, Companies and Co-operative Societies – Public Enterprise.

Unit:2 SOURCES OF FINANCE 12 hours

Location of Business – Factors influencing location, localization of industries- Size of forms, Sources of Finance – Shares, Debentures, Public Deposits, Bank Credit and Trade Credit – Relative Merits and Demerits.

Unit:3 STOCK EXCHANGE 12 hours

Stock Exchange - Functions - Procedure of Trading - Functions of SEBI - DEMAT of shares-Trade Association-Chamber of Commerce.

Unit:4 OFFICE LAYOUT AND ACCOMMODATION 12 hours

Office – Its functions and significance – Office layout and office accommodation – Filing and Indexing

Unit:5 EDP 10 hours

Office machines and equipments – Data Processing Systems – EDP –Uses and Limitations – Office Furniture.

Total Lecture hours Total Lecture hours Text Book(s) 1 Y.K.Bhushan – Business Organisation and Management – Sultanchand & sons 2 Shukla - Business Organisation and Management – S.Chand & Company Ltd., 3 Saksena – Business Administration and Management – Sahitya Bhavan Reference Books 1 Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son 2 R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] 1 https://definitions.uslegal.com/b/business-organization/) h a
Text Book(s) 1 Y.K.Bhushan – Business Organisation and Management – Sultanchand & sons 2 Shukla - Business Organisation and Management – S.Chand & Company Ltd., 3 Saksena – Business Administration and Management – Sahitya Bhavan Reference Books 1 Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son 2 R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]) h a
Text Book(s) 1 Y.K.Bhushan – Business Organisation and Management – Sultanchand & sons 2 Shukla - Business Organisation and Management – S.Chand & Company Ltd., 3 Saksena – Business Administration and Management – Sahitya Bhavan Reference Books 1 Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son 2 R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]) la
1 Y.K.Bhushan – Business Organisation and Management – Sultanchand & sons 2 Shukla - Business Organisation and Management – S.Chand & Company Ltd., 3 Saksena – Business Administration and Management – Sahitya Bhavan Reference Books 1 Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son 2 R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]) hours
 Shukla - Business Organisation and Management – S.Chand & Company Ltd., Saksena – Business Administration and Management – Sahitya Bhavan Reference Books Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] 	
3 Saksena – Business Administration and Management – Sahitya Bhavan Reference Books 1 Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son 2 R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
Reference Books 1 Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son 2 R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
Singh.B.P & Chopra - Business Organisation and Management – Dhanpat Rai & son R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
2 R.K.Chopra – Office Management – Himalaya Publishing House Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	S
1 https://definitions.uslegal.com/b/business-organization/	
2 https://www.mosourcelink.com/guides/start-a-business/register-your-business/forms	<u>=</u>
of-business-organization	
3	

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	M	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Allied Paper - I	INTRODUCTION TO INFORMATION TECHNOLOGY	4	-	-	4
Pre-requisite	Basics knowledge in Information Technology	Syllab Versio		20	21 - 22

The main objectives of this course are to:

- 1. Know the basics of computer systems and information technology.
- 2. Make the students to have thorough knowledge of computer hardware, software, its components and operating system.
- 3. Aware of different programming languages.
- 4. Gain the knowledge about e-commerce, internet and extranet and uses of www applications.
- 5. Make the students to develop the applications of computer information system in various business fields.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

1	Understand the basic concepts about hardware and software components and data retrieval from various areas of business.	K1
2	Recall and remember the different types of computers available in business industries.	K1
3	Aware of different programming and machine level languages and steps to develop computer programmes.	K2
4	To gain knowledge about e-commerce, internet and extranet understand the uses of world wide web applications.	K2
5	Create the applications of computer information system in various business fields.	K2

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6- Create

Unit:1 HARDWARE AND SOFTWARE 12 hours

Hardware and Software: computer systems, importance of computers in business, data and information, data processing, data storage and data retrieval capabilities, computer applications in various areas of business, computer related jobs in business.

Unit:2 COMPUTER SYSTEMS 12 hours

Types of computer systems- Micro, mini, mainframe and super computers. Analog, digital and Hybrid computers, business and Scientific computer systems, First, second, third and fourth generation computers, Laptop or notebook computers, data processing systems- batch, online and Real time system. Time sharing, multiprogramming and multiprocessing systems. Networkings: Local and wide area neworks.

Unit:3 COMPONENTS OF COMPUTERS AND SOFTWARE 12 hours

Components of computers input ,output and storage devices, software: system software and Application software; Programming language-machine language- assembly language, higher level languages. Flowchart and programme flow charts. Steps in developing a computer programme

Unit:4	OPERATING SYSTEMS	12 hours
	stems: Dos, windows, UNIX, windows NT, windows98 - E.Comm	nerce. Internet
Extranet- E.n	nail and its uses-world wide websites-mobile computers.	
Unit:5	SYSTEM ANALYSIS AND DESIGN	10 hours
	sis and design, computer based information system-Transaction pa	
Automation-	management information system-decision support systems-expert	system.
Unit:6	CONTEMPORARY ISSUES	2 hours
Expert lectures	online seminars – webinars	
	Total Lecture hours	60 hours
Text Book(s)		
1 Computer	and common sense-Roger Hunt and John Shellery	
	cro Computers- Brightman and Dimsdale	
	are made simple-R.K.Taxali	
·		
Reference B	ooks	
1 Introduc	tion to computers-Alexis Leon and Mathews Leon	
2 Informat	ion technology for management-Henry C.Lucas	
Related Onli	ne Conten <mark>ts [MOOC, SWAY</mark> AM, NPTEL, Website <mark>s et</mark> c.]	1
1 https://w	ww.youtub <mark>e.com/watch?v=Qy064</mark> xFEW64	V
2 https://w	ww.youtube.com/watch?v=0fbNLQjNltE	1
3 https://w	ww.youtube.com/watch?v=dx14tlJus	V
	A A D A S A	7
Course Desig	ned By:	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	
CO1	S	S	S	S	M	
CO2	S	S	M	S	S	
CO3	M	S	S	S	S	
CO4	S	S	S	M	S	
CO5	S	M	S	S	S	

S- Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	Т	P	С
Core III	COMPUTER APPLICATIONS: MS OFFICE -PRACTICAL-I	-	-	4	4
Pre-requisite	Basic Knowledge in Ms-Office Computer Applications	s-Office Computer Syllabus ions Version		202	21-22

- 1. Acquire and apply the computer applications in different aspects of business
- 2. Get insight knowledge on ms-office, ms-excel and powerpoint.
- 3. Know the database maintenance in every type of applications using MS. Access.
- 4. Get the knowledge application on effective power point presentation.
- 5. Understand the preparation of the accounts transactions of the business enterprises in the tallypackage.

Expected Course Outcomes:

On	the successful completion of the course, student will be able to:	
1	Remember the basic concepts computer applications using MS-Office applications for the business transactions.	K1
2	Understand the system of drafting the customers list using mail merge for sending letters to the respondents at a time.	K2
3	Apply various statistical tools available in Ms-excel for the business enterprise transactions.	K3
4	Gaining knowledge making effective presentation for the business meeting using power point presentation and To create database using M.S. Access	K2
	Apply the accounting principles and rules in tally software packages for updating the accounting transactions.	K3

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

COMPUTER PRACTICALS: I & II SEM – I MS OFFICE & TALLY

I - MS WORD

- 1. Type Chairman"s speech/ Auditor"s report / Minutes/ Agenda and perform the following operations: Bold, Underline, Font Size, style, Background color, Text color, Line spacing, Spell Check, Alignment, Header & Footer, Inserting pages and page numbers, Find and Replace.
- 2. Prepare an invitation for the college function using Text boxes and cliparts.
- 3. Design an invoice and Account sales by using Drawing tool bar, Clip Art, Word Art, Symbols, Borders and Shading.
- 4. Prepare a Class Time Table and perform the following operations: Inserting the table, Data Entry, Alignment of Rows and Columns, Inserting and Deleting the Rows and Columns and Change of Table Format.
- 5. Prepare a Shareholders meeting letter for 10 members using mail merge operation.
- 6. Prepare Bio-Data by using Wizard/Templates.

II - MS EXCEL

1. Prepare a mark list of your class (minimum of 5 subjects) and perform the following operations: Data Entry, Total, Average, Result and Ranking by using arithmetic and logical functions and sorting.

- 2. Prepare Final Accounts (Trading, Profit & Loss Account and Business Sheet) by using formula. 3. Draw the different type of charts (Line, Pie, Bar) to illustrate year-wise performance of sales, purchase, profit of a company by using chart wizard.
- 4. Prepare a statement of Bank customers account showing simple and compound interest calculations for 10 different customers using mathematical and logicalfunctions.
- 5. Prepare a Product Life Cycle which should contain the following stages: Introduction, Growth, Maturity, Saturation, Decline.

III - MS POWERPOINT

- 1. Design presentation slides for a product of your choice. The slides must include name, brand name, type of product, characteristics, special features, price, special offer etc. Add voice if possible to explain the features of the product. The presentation should work in manual mode.
- 2. Design presentation slides for organization details for 5 levels of hierarchy of a company by using organization chart.
- 3. Design slides for the headlines News of a popular TV Channel. The Presentation Should contain the following transactions: Top down, Bottom up, Zoom in and Zoom out The presentation should work in custommode.
- 4. Design presentation slides about an organization and perform frame movement by interesting clip arts to illustrate running of an imageautomatically.
- 5. Design presentation slides for the Seminar/Lecture Presentation using animation Effects and perform the following operations: Creation of different slides, changing background color, font color using wordart.

I - MS ACCESS

- 1. Prepare a payroll for employee database of an organization with the following Details: Employee id, Employee name, Date of Birth, Department and Designation, Date of appointment, Basic pay, Dearness Allowance, House Rent Allowance and other deductions if any. Perform queries for different categories.
- 2. Create mailing labels for student database which should include atleast three Table must have atleast two fields with the following details: Roll Number, Name, Course, Year, College Name, University, Address, PhoneNumber.
- 3. Gather price, quantity and other descriptions for five products and enter in the Access table and create an invoice in form designview.
- 4. Create forms for the simple tableASSETS.
- 5. Create report for the PRODUCT database.

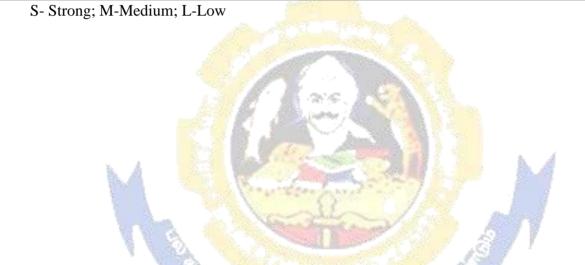
II – TALLY AND INTERNET

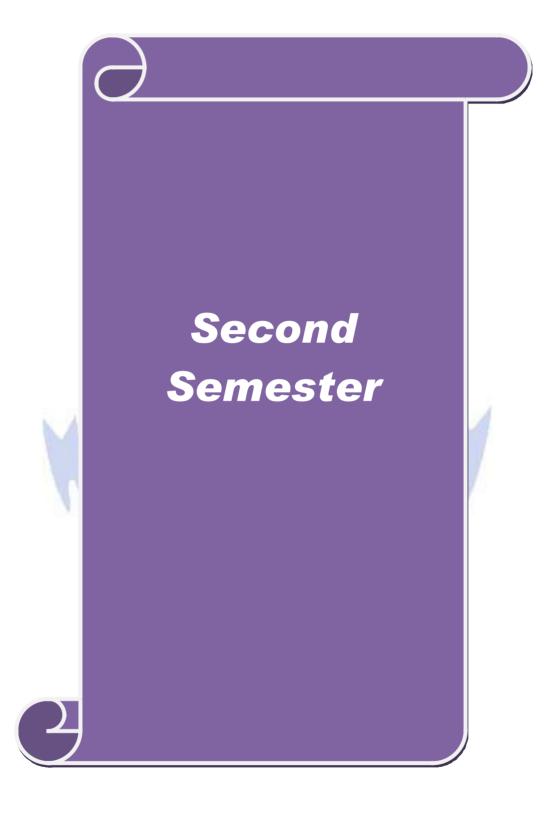
- 1. Create a new company, group, voucher and ledger and record minimum 10 transactions and display the relevantresults.
- 2. Prepare trial balance, Profit and Loss A/c and Balance Sheet (with minimum of any five adjustments).
- 3. Prepare inventory statement using (Calculate inventory by using all methods) a) FIFO b) LIFO c) Simple Average Method d) Weighted AverageMethod
- 4. Create an e-mail id and check the mailinbox.

- 5. Learnhowtousesearchenginesandvisityahoocom,rediff.com,hotmail.comand google.com
- 6. Visit your University and college websites and collect the relevant data.

Total Lecture hours	60 hours
Course Designed By:	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5		
CO1	S	S	S	S	M		
CO2	M	M	S	S	S		
CO3	S	S	M	S	S		
CO4	S	M	S	S	S		
CO5	S	S	S	S	S		





Course code		TITLE OF THE COURSE	L	T	P	C
Core – IV		Advanced Accounting	4	-	-	4
Pre-requisite		Basic knowledge on Advanced Accounting	Syllabı Version		2021-2	
Course Object						
The main object	ctives of thi	s course are to:				
1. To acquire	the basic of	concept depreciationaccounting				
		s on the functional aspects of accounting				
		on branch accounts and partnership accounts				
		n partnershipaccounts				
5. To apply t	ne concept	of partnership accounts on dissolution andinsolveno	² y			
Expected Cou						
	-	etion of the course, student will be able to:		1		
		ept on depreciation and its methods			K2	
2 Remember	er the syste	m o <mark>f branch acco</mark> unts on installm <mark>ents and</mark> hire purch	nase		K1	
3 Understa	nd the conc	ept on single entry system			K3	
4 Gaining l	Gaining knowledge on partnership accounts				K2	
5 Apply the	Apply the concept of partnership accounts on dissolution and insolvency					
K1 - Rememb	er; K2 - U	<mark>ndersta</mark> nd; K3 - App ly; K4 - An aly <mark>ze; K5 - Ev</mark> aluate	e; K6 – 0	Create	;	
Unit:1		DEPRECIATION		10	hou	n a
	Methods	- Reserves and provisions.	73	10	nou	18
Depreciation	- Methods	- Reserves and provisions.	-			
Unit:2	1	BRANCH ACCOUNTS		12	hou	rs
	nts excludin	ng foreign branches. Hire purchase and installment s	system in			
hire purchase						
	T	W D				
Unit:3		SINGLE ENTRY SYSTEM) ho	urs
	System - M	eaning and Features - Statement of Affairs Method a	and Con	versio	n	
Method.						
Unit:4		PARTNERSHIP ACCOUNTS		12	2 ho	urs
	ccounts - D	ivision of Profits - Fixed and Fluctuating Capital - A	Admissio			
Retirement -						
Unit:5		DISSOLUTION OF PARTNERSHIP	1	1.	4 ho	
	<u>Partnershi</u>	p - Insolvency of Partners - Rule in Garner Vs. Mur	rav	1,	T 11U	113
		ad 80 % marks for problem.	iaj			
Unit:6		Contemporary Issues			2 ho	urs
Expert lectures,	online se	minars – webinars	•			
,						
		Total Lecture hours		6) ho	urs

Te	ext Book(s)
1	Jain and Narang: Advanced Accounting
2	T.S. Grewal: Advanced Accounting
Re	eference Books
1	M.C Shukla: Advanced Accounting
2	T.S.Reddy & A.Murthy: Financial Accounting
Re	elated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.ventureline.com/accounting-glossary/A/advanced-accounting-
	definition/#:~:text=ADVANCED%20ACCOUNTING%20covers%20accounting%20opera
	tions,in%20foreign%20and%20local%20currencies.
2	https://www.coursera.org/courses?query=advanced%20accounting
3	
Co	ourse Designed By:

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	M	S	S	S	S
CO3	S	S	S	S	S
CO4	M	S	S	S	S
CO5	S	S	S	M	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Core - V	Database Management System	4	-	-	4
Pre-requisite	Rasic knowledge on DRMS	Syllabı Versioi		202	1-22

The main objectives of this course are:

- 1. To acquire the basic concept on database system
- 2. To enable the students on the functional aspects of SQL
- 3. To impart knowledge on various network approach
- 4. To gain knowledge on IMS networks.
- 5. To apply the networking approach in various E-Commerce Activities.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

OII	on the successful completion of the course, student will be use to.			
1	Remembering the concept on database system and structure	K1		
2	Gaining the knowledge on key relational approach.	K2		
3	Understanding the embedded SQL at various operations.	K2		
4	Gain knowledge on IMS networks.	K2		
5	Apply the networking approach.	К3		

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 INTRODUCTION TO DBMS

12 hours

Database System Architecture Basic Concepts: Data System, Operational data, data Independence, Architecture for a database system, Distributed databases, Storage Structures: Representation of Data. Data Structures and corresponding operators: Introduction, Relation Approach, Hierarchical Approach, Network Approach.

Unit:2 TYPES OF APPROACHES

10 hours

Relational Approach: Relational Data Structure: relation, domain, attributes, keys Relational Algebra: Introduction, Traditional set operation. Attribute names for derived relations. Special relational operations.

Unit:3 SQL 12 hours

Embedded SQL: Introduction – Operations not involving cursors, involving cursors - Dynamic statements, Query by Example – Retrieval operations, Built – in – functions, update operations. QBE Dictionary. Normalization: Functional dependency, First, Second, third normal forms, Relations with more than one candidate key, Good and bad decomposition.

Unit:4 HIERARCHIAL APPROACH 12 hours

Hierarchical Approach: IMS data structure. Physical Database, Database description. Hierarchicalsequence.ExternallevelofIMS:LogicalDatabases,theprogram communication block IMS Data manipulation: Defining the Program communication Block: DL / 1 Examples.

Unit:5	NETWORK APPROACH	12 hours		
Network App	roach: Architecture of DBTG system. DBTG Data Structure: The s	set construct,		
Singular sets,	Sample schema, the external level of DBTG - DBTG Data manipu	ılation.		
Unit:6	Contemporary Issues	2 hours		
Expert lectur	es, online seminars – webinars			
	Total Lecture hours	60 hours		
Text Book(s				
1 An introd	uction to Database Systems : Seventh Edition : by C.J.Date			
2 Database	Systems Concepts by Abraham Silberschatz, Henry F Korth			
Reference B	ooks			
1 An intro	duction to Database Systems - Bipin C Desai			
	·			
•				
Related Onl	ine Contents [M <mark>OOC, SWAYAM, NPTEL, Web</mark> sites etc.]			
1 https://w	https://www.geeksforgeeks.org/introduction-of-dbms-database-management-system-set-1/			
2 https://w	https://www.geeksforgeeks.org/making-wordpress-website-secure/?ref=lbp			
3	S.E. CALL			
*				
Course Desig	ned By:			

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	S	S
CO2	S	S	S	S	S
CO3	S	M	S	M	S
CO4	S	S	S	S	S
CO5	S	S	S	S	M

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Core VI	COMPUTER APPLICATIONS:ORACLE PRACTICAL I	4	-	-	4
Pre-requisite	Basic Knowledge on Oracle	Sylla Vers	bus sion	202	21-22

The main objectives of the program are to

- 1. To acquire the knowledge on computer applications of Oracle in different aspects of business.
- 2. To give insightful knowledge on storing and protecting the different types of database of the businessenterprises.
- 3. To gain the knowledge on creating database usingoracle.
- 4. To aquire knowledge on application of oracle statements to extract the particular database.
- 5. To gain the knowledge on developing employees and salary databases usingoracle

Exp	Expected Course Outcomes:		
On	the successful completion of the course, student will be able to:		
1	Understand the basic concepts computer applications using Oracle for maintaining the database.	K2	
2	Remembering the different databases using access application for developing the business transactions	K1	
3	Gain the knowledge on creating database using oracle.	K2	
4	Apply knowledge on application of oracle statements to extract the particular data base.	K3	
5	Gain the knowledge on developing employees and salary databases using oracle.	K2	

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Computer Applications Practical-I ORACLE - SQL

1. Create a table "Company" with the following fields and insert the values for 10employees.

FieldName	FieldType	Field size
CompanyName	Character	15
Proprietor	Character	15
Address	Character	25
SupplierName	Character	15
Noofemployees	Number	4
CDD	NT 1	6 11 0 1

GPPercent Number 6 with 2 decimalplaces

Queries:

- a) Display all the records of the company which are in the ascending order of GPpercent.
- b) Display the name of the company whose supplier name is "Telco".
- c) Display the details of the company whose GP percent is greater than 20 and order by GP Percent.
- d) Display the detail of the company having the employee ranging from 300 to 1000.
- e) Display the name of the company whose supplier is same as the Tata's.

2). Create a table named "Employee" with the following fields and insert the values.

Field Name	Field Type	Field Size
Employee Name	Character	15
Employee Code	Number	6
Address	Character	25
Designation	Character	15
Grade	Character	1
Date of Join	Date	-
Salary	Number	10 with 2 decimal places

Queries

- a) Display the name of the employee whose salary is greater than Rs. 10,000
- b) Display the details of employees in ascending order according g to EmployeeCode.
- c) Display the total salary of the employees whose grade is "A"
- d) Display the details of the employee earning the highestsalary.
- e) Display the names of the employees who earn more than "Ravi"
- 3). Create a table "Product" with the following fields and insert thevalues:

Field Name	Field Type	Field Size
Student Name	Character	15
Gender	Character	6
Roll No	Character	10
Department Name	Character	15
Address	Character	25
Percentage	Number	4 with 2 decimal plant

Queries:

- a) Calculate the average percentage of students.
- b) Display the names of the students whose percentage is greater than 80.
- c) Display the details of the student who got the highest percentage.
- d) Display the details of the students whose percentage is between 50 and 70.
- e) Display the details of the students whose percentage is greater than the percentage of the roll no=12CA01.
- 4). Create a table "Product" with the following fields and insert the values:

Field Name	Field Type	Field Size
Product No	Number	6
Product Name	Character	15
Unit of Measure	Character	15
Quantity	Number	6 with decimal places
Total Amount	Number	8 with decimal places

Queries:

a) Using update statements calculate the total amount and then select there cord.

- b) Select the records whose unit of measure is "Kg".
- c) Select the records whose quantity is greater than 10 and less than or equal to 20.
- d) Calculate the entire total amount by using sum operation.
- e) Calculate the number of records whose unit price is greater than 50 with count operation.
- 5). Create the table PAYROLL with the following fields and insert the values:

Field Name	Field Type	Field Size
Employee No	Number	8
Employee Name	Character	8
Department	Character	10
Basic Pay	Number	8 with 2 decimal places HRA
	Number	6 with 2 decimal places
DA	Number	6 with 2 decimal places
PF	Number	6 with 2 decimal places
Net Pay	Number	8 with 2 decimal places

Queries:

- f) Update the records to calculate the net pay.
- g) Arrange the records of the employees in ascending order of their net pay.
- h) display the details of the employees whose department is "Sales".
- i) Select the details of employees whose HRA>= 1000 and DA<=900.
- j) Select the records in descending order.
- 6). Create a Table Publisher and Book with the following fields:

Field Name	Field Type	Field Size
Publisher Code	Var Char	5
Publisher Name	Var Char	10
Publisher city	Var Char	12
Publisher State	Var Char	10
Title of book	Var Char	15
Book Code	Var Char	5
Book Price	Var Char	5

Queries:

- a) Insert the records into the table publisher andbook.
- b) Describe the structure of thetables.
- c) Show the details of the book with the title "DBMS".
- d) Show the details of the book withprice>300.
- e) Show the details of the book with publisher name "Kalyani".
- f) Select the book code, book title, publisher city is "Delhi".
- g) Select the book code, book title and sort by bookprice.
- h) Count the number of books of publisher starts with "Sultanchand".
- i) Find the name of the publisher starting with "S".

7. Create a table Deposit and loan with the following fields:

FieldName	FieldType	FieldSize
Account	VarChar	6
BranchName	VarChar	15
CustomerName	Var Char	20
BalanceAmount	VarChar	10
Loan Number	Var Char	7
Loan Amount	Var Char	6

Queries:

- a) Insert the records into thetable.
- b) Describe the structure of thetable.
- c) Display the records of Deposit and Loan.
- d) Find the number of loans with amount between 10000 and 50000.
- e) List in the alphabetical order the names of all customers who have a loan at the Coimbatorebranch.
- f) Find the average account balance at the Coimbatorebranch.
- g) Update deposits to add interest at 5% to the balance.
- h) Arrange the records in descending order of the loan amount. i) Find the total amount of deposit in 'Erode'branch.

	A STATE OF THE RESIDENCE OF THE REAL PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRES	4
A .	Total Lecture hours	60 hours
Course Designed By:	(" out the part)	17.

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	M
CO2	S	S	M	M	M
CO3	S	S	S	S	S
CO4	M	S	M	M	S
CO5	S	M	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	T	P	C
ALLIED PAPER II		MATHEMATICS FOR BUSINESS	4	•	-	4
Pre-requisite		Basics knowledge on Mathematics for Business	Syllabu Version		20	21 - 22

The main objectives of this course are to:

- 1. Understand and apply basics of applications of mathematics inbusiness
- 2. Make the students to be ready for solving business problems using mathematical operations.
- 3. Provide an insight knowledge about variables, constants and functions.
- 4. Gain the knowledge on integral calculus and determining definite and indefinite functions
- 5. Analyze the linear programming problem by using graphical solution and simple method.

Expe	ected Cou	rse Outcomes:				
On	the succes	sful completion of the course, student will be able to:				
1	Understand the basic concepts of arithmetic and geometric series and different effective rates of interest for sinking fund, annuity and present value.					
2		ne basic concep <mark>ts of ad</mark> dition and multiplication analysis and d output analysis.	K1			
3		of variables, constants and functions and evaluate the first and order derivatives.	K2			
4		knowledge on integral calculus and determining definite and te functions.	K2			
5		the linear programming problem by using graphical solution ple method.	K4			
K1	- Rememb	per; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; F	K6 – Create			
Uni	t:1	SET THEORY	12 hours			
of I Bar	nterest –S ker"s Gai		ue Discount –			
Uni		MATRIX	12 hours			
		Concepts – Addition and Multiplication of Matrices – Inverse of a				
ot N	Aatrıx - So	olution of Simultaneous Linear Equations – Input-Output Analysis	•			
Uni	t:3	VARIABLES, CONSTANTS AND FUNCTIONS	12 hours			
	iables Co	nstants and Functions – Limits of Algebraic Functions – Simple D	ifferentiation of			

T Is	nit:4	ELEMENTARY INTEGRAL CALCULUS	12 hours
El	ementary I	ntegral Calculus – Determining Indefinite and Definite Integrals of ions – Integration by Parts.	
Uı	nit:5	LINEAR PROGRAMMING PROBLEM	10 hours
	near Programple Meth	amming Problem – Formation – Solution by Graphical Method So od.	olution by
Uı	nit:6	CONTEMPORARY ISSUES	2 hours
Ex	pert lecture	es, online seminars – webinars	
		Total Lecture hours	60 hours
Te	ext Book(s)	
1		am, P.A," Business Mathematics & Statistics" Jai Publishers, Tricl	hy-21
2	Sundaresa Co&Ltd,I	an and Jayaseelan,"Introduction to Business Mathematics",Sultan	chand
3	Sanchetti,	D.C and Kapoor, V.K," Business Mathematics", Sultan chand Co&	Ltd,Newdelhi
Re	eference B	ooks	
1		nganath, C.S.S <mark>ampa</mark> mgiram&Y.Rajan-A Text book <mark>Busine</mark> ss Mat ra Publishin <mark>g Hous</mark> e.	hematics -
Re	elated Onl	ine Conten <mark>ts [MOOC, SWAYAM, NPTE</mark> L, Websites etc.]	M
1		www.youtube.com/watch?v=qO1SYFZVmhY	- Y
2	https://w Lj3Pmz	ww.youtube.com/watch?v=LadYhkiVC7Q&list=PLRYPMG3pkUJ VmKCD	uucxOLmnRC -
3		ww.youtube.com/watch?v=qO1SYFZVmhY&list=PLX2gX- Yjs2g3YiaY0sEfwW-jg5L	7.0
	D	u. J D	
C	ourse Desig	gneu by:	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	
CO1	S	S	S	S	M	
CO2	S	S	M	S	S	
CO3	M	S	S	S	S	
CO4	S	S	S	M	M	
CO5	M	M	S	S	S	

S- Strong; M-Medium; L-Low



Carres and		TITLE OF THE COURSE	т	Т	P	C
Course code		TITLE OF THE COURSE	4	1	r	C
Core – VII Pre-requisite		PRINCIPLES OF MARKETING Basic knowledge on Principles of Marketing	Syllabı Versioi		202	1-22
Course Object			l.			
The main object	ctives of thi	s course are:				
2. To enable3. To impart4. To gain kn	the students knowledge owledge on	oncept on marketing and itsopportunities on the functional aspects ofmarketing on consumer behaviour andconsumerism marketing mix andpricing of greenmarketing				
Expected Cou	rse Outcon	mes:				
		etion of the course, student will be able to:				
1 Rememb	Remembering the concept on marketing and its types				K1	
2 Gaining t	he knowled	lge o <mark>n marketing functions</mark>			K2	
3 Understa	nd the conc	ept on consumer behavior and relations			K2	
4 Rememb	er the signi	ficance of marketing mix and p <mark>rici</mark> ng			K1	
5 Applying	the concep	ot of green marketing			K3	
K1 - Rememb	er; K2 - U	nderstand; K3 - App ly; K4 - An aly <mark>ze; K5 - Ev</mark> aluate	e; K 6 – 0	Create	e	
	al Marketir		Modern Ethics		teting -Car	g
Unit:2	- 1	FUNCTIONS OF MARKETING		15	hou	ırs
		ying –Selling –Transportation –Storage – Financing Information	– Risk I			
Unit:3		CONSUMER BEHAVIOUR	15 ho	urs		
		leaning –Need for studying Consumer Behaviour-Farket Segmentation – Customer Relations Marketing		ıfluen	cing	
Unit:4		MARKETING MIX		15	hou	ırs
LabellingPrice	e Mix-Impo on -Place M	uct Mix –Meaning of Product –Product Life Optance-Pricing - Objectives - Pricing Strategies –Prix-Importance of Channels of Distribution –Functionade.	ersonal	Selli	ng ar	nd
Unit:5	N	MARKETING AND GOVERNMENT		13	hou	rs
	d Governme	ent –Bureau of Indian Standards –Agmark – Consun nsumers- Green Marketing –Forward Trading in Co		- Con		_

Unit:6	Contemporary Issues	2 hours
Expert lectures	online seminars – webinars	
	·	
	Total Lecture hours	75 hours
Text Book(s)		
1 Marketing	Management - Rajan Sexena	
	of Marketing - Philip Kotler &Gary Armstrong	
3 Marketing	Management - V.S. Ramasamy and Namakumari	
Reference B	ooks	
1 Marketin	g Management - Rajan Nair	
2 Marketin	g - R.S.N.Pillai &Bagavathi	
Ralated Onl	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
Kciatcu Oili	11 / /1 / /41/24 : : 1	norkating katlar
	ww.worldsupporter.org/en/chapter/41634-summary-principles-r	<u>narkenng-koner</u>
1 https://w	<u>www.worldsupporter.org/en/chapter/41634-summary-principles-rewww.youtube.com/watch?v=n8M00vmp6v0</u>	<u>narketing-kotter</u>
1 https://w		<u>marketing-kotter</u>

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Core - VIII	Object Oriented Programming with C++	4	-	•	4
Pre-requisite	Kasic knowledge on C++	Syllabu Version		202	1-22

The main objectives of this course are:

- 1. To acquire the knowledge on OOPs
- 2. To enable the students on the applications and structure of C++
- 3. To impart knowledge on managingconsole
- 4. To gain knowledge on virtualfunctions
- 5. To analyze the concept managingconsole

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

	and successful completion of the course, student will be used to:	
1	1 Understand the concept on OOPs and data abstraction	
2	Apply the concept on various functions in C++	K3
3	Understand the concept on constructors, destructors and overloading	K2
4	Gain knowledge on virtual functions	K2
5	Analyze the concept managing console	K4

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 INTRODUCTION TO C++ 15 hours

OOPs, A New Paradigm – Evaluation of Programming Paradigm – Objects – Classes – Multiple Viewing of the Same Object – Encapsulation and Data Abstraction – Inheritance – Delegation – Object Composition – Polymorphism – Message Communication – Popular OOPs Languages – Merits and Demerits of OOPs Methodology – Application of OOPs.

Unit:2 APPLICATIONS OF C++ 15 hours

Application of C++ - Structure of C++ Program - Tokens, Expression -Basic Data Types - Symbolic Constants - Declaring Data Types - Reference Variables - Operator in C++ - Scope Resolution Operator - Expressions and Implicit Conversions - Control Structures - Functions in C++ - Call by Reference - Call by Value - Inline Functions - Default Arguments - Constant Arguments - Classes and Objects - Defining Member Functions - Nesting Member Function - Private Member Function - Static Member Function.

Unit:3 ARRAY, CONSTRUCTORS AND OVERLOADING 15 hours

Array of Objects – Friend Function – Returning Objects – Constant Member Function – Pointer to Members – Constructors with Default Arguments – Copy Constructor – Dynamic Constructor – Destructor – Operator Overloading and Type Conversions – Rules for Operator Overloading – Function Overloading with Arguments – Special Features of Function Overloading.

TYPES OF INHERITANCE Unit:4 15 hours Inheritance – Single Inheritance – Types of Base Classes – Types of Derivation – Public – Private – Protected Inheritance – Multilevel Inheritance – Multiple Inheritance – Hierarchical Inheritance – Hybrid Inheritance – Polymorphism – Virtual Functions – Pure Virtual Function - Pointer to Derived Classes. Unit:5 FILE OPERATIONS IN C++ 13 hours Managing Console I/O Operations – C++ Streams – Stream Classes – istreams, ostreams, ioStream, fstream, ifstream, ofstream, filebuff, istrstream, ostrstream – Unformatted I/O Operation – Classes for File Stream Operations – Opening and Closing a file. Unit:6 **Contemporary Issues** 2 hours Expert lectures, online seminars – webinars **Total Lecture hours** 75 hours Text Book(s) E. Balagurusamy, "Object Oriented Programming with C++", Tata McGraw-Hill Publishing Company Limited, New Delhi, 2003. **Reference Books** D.Ravichandran, "Programming with C++", Tata McGraw-Hill Publishing Company Limited, New Delhi, 2002. Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] https://cppinstitute.org/free-c-and-ccourses?gclid=EAIaIQobChMI8MHN3bn56wIVBwRgCh3EeQaYEAAYASAAEgKRVPD BwE 2 https://beginnersbook.com/2017/08/c-plus-plus-tutorial-for-beginners/ 3

Cos	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	S
CO2	S	M	M	S	M
CO3	S	S	S	S	S
CO4	S	M	M	S	M
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course Designed By:

Course code	TITLE OF THE COURSE	L		P	C	
Core – IX	Cost Accounting	4	-	-	4	
Pre-requisite	Basic knowledge on cost accounting	Syllabi Version		202	21-22	
Course Objectives:						
The main objectives of this course are:						

- 1. To acquire the basic concept costaccounting.
- 2. To enable the students on the functional aspects of costaccounting.
- 3. To impart knowledge on various branches of costaccounts.
- 4. To gain knowledge on processcosting
- 5. To create reconciliation of cost and financial accounts

Expected Course Outcomes:					
On	On the successful completion of the course, student will be able to:				
1	1 Understand the concept on Cost accounting and create a cost sheet K1				
2	Gaining the knowledge on material control aspects	K3			
3	Understand the concept on labour system	K3			
4	Gaining knowledge on process costing	K2			
5	Applying the reconciliation of cost and financial accounts	K4			

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 INTRODUCTION

Cost Accounting – Definition – Meaning and Scope – Concept and Classification – Costing an aid to Management — Types and Methods of Cost – Elements of Cost Preparation of Cost Sheet and Tender.

Unit:2 MATERIAL CONTROL 18 hours

Material Control: Levels of material Control – Need for Material Control – Economic Order Quantity – ABC analysis – Perpetual inventory – Purchase and stores Control: Purchasing of Materials – Procedure and documentation involved in purchasing – Requisition for stores – Stores Control – Methods of valuing material issue.

Labour: System of wage payment – Idle time – Control over idle time – Labour turnover. Overhead – Classification of overhead – allocation and absorption of overhead.

IInit·4	PROCESS COSTING	15 hours

Process costing – Features of process costing – process losses, wastage, scrap, normal process loss – abnormal loss, abnormal gain. (Excluding inter process profits and equivalent production).

Unit:5	OPERATING COSTING	18 hours
Operating Cos	ting - Contract costing – Reconciliation of Cost and Financial ad	ecounts.

U	nit:6	Contemporary Issues	2 hours			
E	xpert lecture	s, online seminars – webinars				
		Total Lecture hours	90 hours			
T	ext Book(s)					
1	S.P. Jain a	nd KL. Narang, "Cost Accounting", Kalyani Publishers, New	Delhi.Edn.2005			
2	R.S.N. Pil	ai and V. Bagavathi, "Cost Accounting", S. Chand and Compa	ny Ltd., New			
	Delhi.Edn					
3	S.P.Iyyang	gar, "Cost Accounting Principles and Practice", Sultan Chand, 1	New Delhi. 2005.			
R	eference Bo	ooks				
1	1 V.KSaxena & C.D.Vashist, "Cost Accounting", Sultan Chand, New Delhi 2005.					
2						
R	elated Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]				
1	1 https://www.youtube.com/watch?v=AwrwUf8vYEY					
2	https://www.youtube.com/watch?v=a5D3Iopi0-4					
3						
		ave.				
C	ourse Design	ned By:				

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	M
CO2	M	S	M	S	S
CO3	S	S	S	S	S
CO4	M	S	M	S	S
CO5	S	S	S	M	S

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	Т	P	С
ALLIED PAI	PER III	STATISTICS FOR BUSINESS	4	•	•	4
Pre-requisite		Basic knowledge on statistics for business	Syllab Versio		202	21-22

The main objectives of the course are able to

- 1. Provide basic conceptual knowledge on applications of statistics inbusiness.
- 2. Make the students to be ready for solving business problems using statistical operations.
- 3. Give a detailed instruction of measurement of dispersion.
- 4. Gain the knowledge on application of correlation and regression forbusiness operations.
- 5. Analyze interpolation and probability theory and perform the problems.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

1	Understand the basic concepts of arithmetic and geometric mean and different types of data collection.	K2
2	Know measures of dispersion.	K1
3	Gain the knowledge on correlation and regression analysis.	K5
4	Understand the different types of moving averages.	K2
5	Know and analyze interpolation and probability	K2

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 INTRODUCTIONS 15 hours

Meaning and Definition of Statistics – Collection of data — Primary and Secondary - Classification and Tabulation – Diagrammatic and Graphical presentation Measures of Central tendency – Mean, Median, Mode, Geometric Mean and Harmonic Mean – simple problems

Unit:2 MEASURES OF DISPERSION 15 hours

Measures of Dispersion – Range, Quartile Deviation, Mean Deviation, Standard Deviation and Co-efficient of Variation. Skewness – Meaning – Measures of Skewness - Pearson's and Bowley's co-efficient of Skewness.

Unit:3 CORRELATION AND REGRESSION ANALYSIS 15 hours

Correlation –Meaning and Definition –Scatter diagram, Karl Pearson's co-efficient of Correlation, Spearman's Rank Correlation, Co-efficient of Concurrent deviation. Regression Analysis – Meaning of regression and linear prediction – Regression in two variables – Uses of Regression

Unit:4 TIME SERIES 15 hours

Time Series – Meaning, Components and Models – Business forecasting – Methods of estimating trend – Graphic, Semi-average, Moving average and Method of Least squares – Seasonal Variation – Method of Simple average. Index Numbers – Meaning, Uses and Methods of construction – Un-weighted and Weighted index numbers – Tests of an Index number – Cost of living index number.

Unit:5 INTERPOLATION 13 hour					
Unit.5 INTERFOLATION 15 Hour	S				
Interpolation: Binomial, Newton's and Lagrange methods. Probability - Concept and Defini	tion				
 Addition and Multiplication theorems of Probability (statement only) – simple problems 					
based on Addition and Multiplication theorems only.					
Unit:6 CONTEMPORARY ISSUES 2 hours					
Expert lectures, online seminars – webinars					
Total Lecture hours 75 ho	ours				
Text Book(s)					
1 Statistical Methods by S.P. Gupta					
2 Business Mathematics and Statistics by P. Navaneetham					
3 Statistics by R.S.N. Pillai and V. Bagavathi					
Reference Books					
1 Statistics-Theory, Methods & Application by D.C. Sancheti and V.K. Kapoor					
2 Applied General Statistics by Frederick E.Croxton and Dudley J. Cowden					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
1 https://www.youtube.com/watch?v=BUE-XJEHp7g					
https://www.youtube.com/watch?v=0s4mKbkYJPU&t=1s					
3 https://www.youtube.com/watch?v=Dxcc6ycZ73M					
Continue Lord -					
Course Designed By:					

	Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5		
CO1	S	S	S	S	M		
CO2	S	S	M	S	S		
CO3	M	S	S	S	S		
CO4	S	S	S	M	M		
CO5	M	M	S	S	S		

S- Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	Т	P	C
Core X	COMPUTER APPLICATIONS: C++- PRACTICAL II	-	-	4	4
Pre-requisite	Basic Knowledge in OOPs		abus sion	202	21-22

The main objectives of the program are to

- 1. To understand the program by applying the concept of OOPs.
- 2. To remember the reusability of C++ program by applying the concept of Inheritance and Polymorphism.
- 3. To apply the data files operation technique and solve the given problems in a practical manner.
- 4. To understand the program by applying the concept of OOPs
- 5. To apply the data file operation technique and evaluate the program in a practical manner

Expected Course Outcomes: On the successful completion of the course, student will be able to: Compare the different types of languages and find the importance of K2 object-oriented programming language 2 Understand the C++ statements and motivate the students to make use of K2 the statements 3 Identify the class structure and develop the program. **K**1 4 Apply the program by applying the concept of OOPs K3 5 Apply the data file operation technique and evaluate the program in a **K**3 practical manner

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Computer Applications Practical-II

OOPS WITH C++

- 1. Program to calculate depreciation under Straight Line method and Diminishing Balance method (using class, defining member functions outside theclass).
- 2. Program to calculate depreciation under Diminishing Balance method (Using class, defining member function inside theclass)
- 3. Program to calculate Economic Order Quantity (using nesting of memberfunction).
- 4. Program to print the Employees' payroll statement (using controlstructures).
- 5. Program to calculate simple Interest and compound Interest(using nestedclass).
- 6. Program to calculate net income of a family(using friend function in twoclasses).
- 7. Program to print the book list of library (using array of objects).
- 8. Program to prepare cost sheet (using inheritance).
- 9. Program to calculate margin of safety (using multilevelinheritance).
- 10. Program for bank transaction (using constructor and destructor).

- 11. Program to calculate increase or decrease in working capital using operatoroverloading.
- 12. Program to create the student file and prepare the marks slip by accessing thefile.

To	tal Lecture hours	60 hours
Course Designed By:		

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	M	S
CO2	M	S	M	S	S
CO3	S	S	S	S	M
CO4	S	S	S	M	S
CO5	S	M	S	S	S

^{*}S-Strong; M-Medium; L-Low

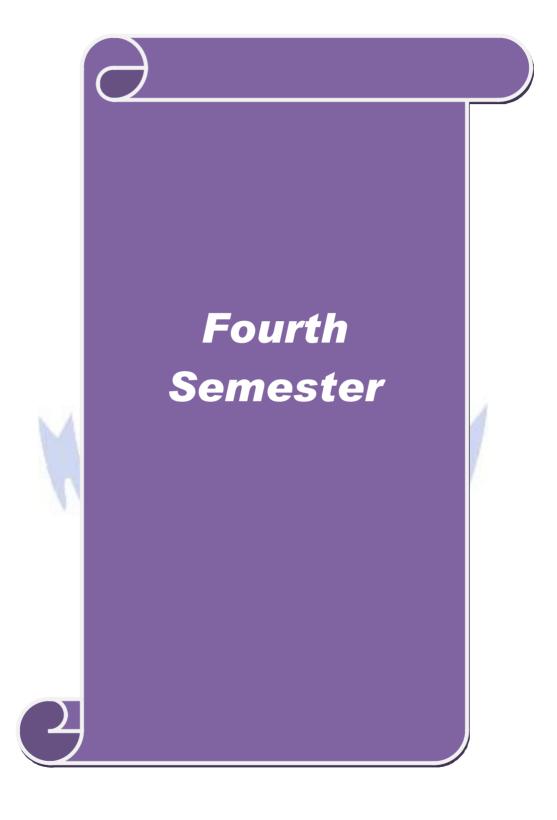


Course code		TITLE OF THE COURSE	L	T	P	(
Skill based Sub	ject - 1	COMMERCIAL LAW	3	-		
Pre-requisite		nasic knowledge in commerce activities	Sylla versi		202	1-2
Course Object	ives:			'		
The main object	tives of thi	s course are to:				
1. To provide	knowledge	e about basics of business contract				
2. To underst	and the per	formance of the contract				
		es of indemnity and guarantee				
	_	bout the sale and transfer of goods and the applicable la	ws a	nd		
regulation	S					
Expected Cou	rse Outcon	nes•				_
		elements related business law and contract			K	(5
2 Interpret different types of contract and its features				K	(2	
3 Analyze the mode of performance and discharge of contract					K	(4
4 Compare and check between rights and duties of indemnity, guarantee, bailor and				K	(5	
 bailee. Analyze the Law of sale of goods and its intricacies. 				1/2	<u> </u>	
					K	4
KI - Rememb	er; K 2 - Ur	nde <mark>rstan</mark> d; K3 - Apply; K4 - An <mark>alyze</mark> ; <mark>K5 - Eva</mark> luate; K 6) - C1	reate		
Unit:1		BASICS OF BUSINESS CONTRACT		10h	our	<u> </u>
	– Law of Co	ontract – Essential Elements of Valid Contract – Types of Contract	_			
_		- Acceptance - Essentials of Valid Acceptance - Revocatio				
Acceptance.		8				
		Continue Land				
Unit:2		NSIDERATION AND CAPACITY TO CONTRACT		8ho	urs	
		f Valid Consideration – Capacity to Contract – Law relating	to Mi	nor,		
Unsound Mina –	- Persons Di	squalified by Law.				
Unit:3		PERFORMANCE OF CONTRACT		8ho	urs	
		Nodes of Performance – Quasi-Contract – Discharge of Contr				
		dies for Breach of Contract.				
Unit:4		INDEMNITY AND GUARANTEE		9ho	urs	
	-	duarantee – Rights of Indemnity Holder – Rights and Liabiliti	es of			
Surety Bailmer	it and Pledge	е.				
Unit:5]	LAW OF SALE OF GOODS		8ho	urs	

Unit:6	Contemporary Issues	2 hours
Expert lectures,	online seminars - webinars	
	Total Lecture hours	45hours
Text Book(s)		
1 N.D.Kapo	or Business Laws – Sulthan Chand & Sons	
2 R.S.N. Pil	laiandBagavathy Business Laws- S.Chand& Co	
Reference Bo	ooks	
1 Arun Kum	ar Sen,"Commercial Law", The world press pvt Ltd, Calcutta	
2 M.C.Kuch	hal Mercantile LawVikas Publications	
Related Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1		
2		
4		
Course Design	ned By:	

Mapping with Programme Outcomes								
	PO1	PO2	PO3	PO4	PO5			
CO1	S	S	S	S	S			
CO2	S	S	S	S	L			
CO3	M	S	S	S	S			
CO4	S	S	S	S	M			
CO5	S	S	M	S	M			

^{*} S - Strong; M - Medium; L- Low



			T			10.0
Course code		TITLE OF THE COURSE	L	T	P	C
Core – XI		Principles of Auditing	4	-	-	
Pre-requisite		Basic knowledge on principlesof auditing	Sylla Ver	bus sion	202	1-2
Course Object						
The main object	tives of thi	s course are:				
2. To enable t3. To impart l4. To create a	the students knowledge n auditrepo	oncept on auditing and auditprogrammes on working withvouchers on auditreports ort of electronicauditing				
Expected Cou						
		etion of the course, student will be able to:				
		ept on auditing			K2	
2 Analyze t	the vouchin	g of various working papers			K4	
3 Gain kno	wledge on	val <mark>uation of</mark> assets and liabilities			K3	
4 Evaluate	an audit rep	port			K5	
5 Apply the	e concept of	felectronic auditing			К3	
K1 - Rememb	er; K2 - U	<mark>nd</mark> er <mark>sta</mark> nd; K3 - App ly; K4 - An aly <mark>ze; K5 - Ev</mark> aluate;	K6 – 0	Create	е	
	LA.		20.00			
Unit:1		AUDITING	. 7		hou	
Auditing— Ori an Auditor – A		nition – <mark>Objectives – Types – Advantages</mark> and Limita	tions –	Qual	ities	ΣŤ
an Auditor – Z	Addit I Togi	annies.	7			
Unit:2	INT	ERNAL CHECK AND INTERNAL AUDIT		18	hou	rs
	oucher – V	al Check and Inte <mark>rnal Audit —</mark> Audit Note Book — Wor ouching of Cash Book — Vouching of Trading Transa Ledger.	_		•	
Unit:3	VERII	FICATION AND VALUATION OF ASSETS AND LIABILITIES		17	' hou	rs
	verification	on of Assets and Liabilities – Auditor"s position regards of Assets and Liablities – Depreciation – Reserves	_		ons –	
Unit:4	AU	UDIT OF JOINT STOCK COMPANIES		15	hou	rs
Audit of Joint Appointment	Stock Comof Compan	npanies – Qualification – Dis-qualifications – Various y Auditor – Rights and Duties – Liabilities of a Compe Transfer Audit – Audit Report – Contents and Type	pany A	s of		
Unit:5		INVESTIGATION		18	hou	rs

Investigation – Objectives of Investigation – Audit of Computerised Accounts –Electronic

Aud	liting – Investigation under the provisions of Companies Act.					
T I	nit:6 Contemporary Issues	2 hours				
	contemporary Issues Expert lectures, online seminars – webinars	2 1100115				
12/	epert rectures, online seminars – weomars					
	Total Lecture hours	90 hours				
Te	ext Book(s)					
1	B.N. Tandon, "Practical Auditing", S Chand Company Ltd					
2	F.R.M De Paula, "Auditing-the English language Society and Sir Isaac Pi	tman and				
	Sons Ltd,London					
R	eference Books					
1	Spicer and Pegler, "Auditing: Khatalia"s Auditing"					
2	Kamal Gupta, "Auditing", Tata Mcgriall Publications					
R	elated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
1	https://economictimes.indiatimes.com/definition/audit					
2	2 https://www.youtube.com/watch?v=zggYEM2Nts8					
3						
	1 8 C C C C C C C C C C C C C C C C C C					
Co	ourse Designed By:					

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Core - XII	Internet and Web Designing	3	-	-	3
Pre-requisite	Basic knowledge in Internet and Web Designing	Sylla Versi		202	21-22

The main objectives of this course are:

- 1. To acquire the basic knowledge onInternet
- 2. To enable the students on gaining the knowledge on HTML
- 3. To impart knowledge on applying the varioustools
- 4. To gain knowledge on working with webpage
- 5. To apply the frames in webpage

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

1	Remembering the concept on WWW	K1
2	Gain the knowledge on directories and inventories	K2
3	Apply the concept on HTML	К3
4	Gain knowledge on working with web page	K2
5	Apply the frames in web page	К3

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 INTRODUCTION TO INTERNET

20 hours

Introduction to Internet - Internet Access / Dial-Up Connection - Internet Services" Features - TCP/IP Vs Shell Accounts - Configuring the Machine for TCP/IP Account - Configuring the Shell Account - Telnet - Changing the Password - World Wide Web (WWW) - Web Page - Hyper Text - HTML Tags - Net Surfing - Internet/Web Browsing - Browser - Internet Addressing - IP Address - Domain Name - Electronic Mail - Uniform Resource Locator (URL) - Internet Protocols - TCP/IP - FTP - HTTP - Telnet - Gopher - WAIS.

Unit:2 WEB INDEX 18 hours

Searching the Web – Web Index – Web Search Engine – Web Meta – Searcher – Search Functions – Search Engines – Meta Search Sites – Directories and Indexes – Specialized Directories – Electronic Mail (E-Mail) – E-Mail Message – Customizing E-Mail Programs – Managing Mails – Zen of "E-mailing" – Address Book – Signature Feature – File Attachment Facility – Setting priority – Advantages and Disadvantages of E-Mail.

Unit:3 INTRODUCTION TO HTML 17 hours

Introduction to HTML-HTML Code for a Web Page-Web Page Basics-Setup a Web Page

– Display a Web Page in a Web Browser – Start a New Paragraph – Start a New Line – Insert

Blank Spaces – Heading – Pre-format Text – Comment – Special Characters – Format Text –

Emphasize – Superscript and Subscript – Font Style and Size – Color – Margins – Mono Spaced

Font – Block Quote – Lists – Ordered List – Unordered List – Nested List – Definition List –

Images-Addan Image-Back ground Image-Border-Wrap Text Around an Image
Aligning the Image – Horizontal Rule – Use Images in List – Convert an Image to GIF or JPEG.

Unit:4 WWW 15 hours

Links - Link to another Web Page – Link within a Web Page – Link to an Image – Link to a File – E-mail Link – Link to an FTP Site – Change Link Colors – Create Keyboard Shortcuts – Change the Tab Order – Tables – Create a Table – Add a Border – Caption – Column Groups – Row Groups – Color – Background Images – Aligning Data – Size of a Table – Size of a Cell – Span Cells – Cell Spacing and Cell Padding – Borders – Text Wrapping – Nested Tables – Wrap Text around aTable.

Unit:5 SOUNDS AND VIDEOS 18 hours

Sounds and Videos – Link to a Sound – Sound Considerations – Embedded Sound – Extended Video – Video Considerations – Internal Video – Introduction to Forms – Set up a Form – Text Box – Large Text Area – Check Boxes – Radio Buttons – Menu – Upload Files – Submit and Reset Button – Hidden Field – Organize Form Elements – Label From Elements – Introduction to Frames – Creating Frames – Frame Considerations – Provide Alternative Information – Link to a Frame - Scroll Bars – Resizing Frames – Frame Borders – Frame Margins – Nested Framesets – Inline Frame.

Unit:6	Contemporary Issues	2 hours
Expert lectures, online seminars – webinars		

Total Lecture hours 90 hours

Text Book(s)

- 1 Alexis Leon & Mathews Leon, "Internet for Everyone", Leon Tech World, Chennai
- 2 Eric Kramer, "HTML".

Reference Books

- 1 Kamalesh N. Agarwala, Amit Lal & Deeksha Agarwala, "Business of the Net".
- 2 John Zabour, Jeff Foust & David Kerven, "HTML 4 HOW- TO".

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- https://techterms.com/definition/web_design#:~:text=Web%20design%20is%20the%20process%20of%20creating%20websites.&text=Websites%20are%20created%20using%20a,CSS%2C%20or%20cascading%20style%20sheets.
- 2 <u>https://www.interaction-design.org/literature/topics/web-design</u>

3

Course Designed By:

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	S	S
CO2	S	S	S	M	S
CO3	S	S	S	S	S
CO4	S	S	M	S	S
CO5	S	M	S	S	M

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	T	P	C			
Core - XIII	•	Executive Business Communication	3		-	3			
Pre-requisite		Basic knowledge in Executive Business Communication	Sylla Versi	bus on	202	1-22			
Course Object									
The main object	ctives of thi	s course are to:							
		knowledge on business communication							
		s to create various forms of business letters							
_	_	on various secretarial correspondence n report writing.							
5. To create	_	in report writing.							
Expected Cou	rse Outcor	nes•				\rightarrow			
		etion of the course, student will be able to:							
	-	tiveness of business communication.			K2				
		on creating various forms of letters.			K2				
		ept on banking and insurance correspondence.			K2				
4 Gain kno	4 Gain knowledge on report writing.								
5 Apply the system of writing a resume.					К3	\neg			
K1 - Rememb	oer; K2 - U	nderstand; K3 - Apply; K4 - Analyze; K5 - Evalua	te; K6 – 0	Create)				
Unit:1		BUSINESS COMMUNICATION			hou	rs			
		: Meaning – Importance of Effective Business Co							
		Methods—BusinessLetters:Need—Functions-Kinds-E	Essentialso)İ					
Effective Busi	mess Letter	s - Layout.							
Unit:2		BUSINESS COMMUNICATION		15	hou	rs			
Trade Enquiri	es - Orders	and their Execution - Credit and Status Enquiries	– Compla						
Adjustments -	- Collection	Letters – Sales Letters – Circular Letters.							
Unit:3		BANKING CORRESPONDENCE		15	hou	rs			
Banking Corre	espondence	- Insurance Correspondence - Agency Correspond	dence.						
Unit:4	COMP	ANY SECRETARIAL CORRESPONDENCE	T	15	hou	MC			
		respondence (Includes Agenda, Minutes and Repo	rt Writing		1100	19			
company sec	10141141 001	Tospondono (morados rigonou, rimatos una riopo	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>					
Unit:5		APPLICATION LETTERS		13	hou	rs			
		aration of Resume - Interview: Meaning - Objecti							
Techniques of Business Report	• •	es of Interviews – Public Speech – Characteristics ions.	ot a good	speed	ch –				
Unit:6	1:	Contemporary Issues		2	hou	rs			
Expert lectures,	Expert lectures, online seminars – webinars								

		Total Lecture hours	75 hours						
To	ext Book(s)								
1	3	Rajendra Pal Korahill, "Essentials of Business Communication", Sultan Chand & Sons, New Delhi, 2006.							
2	Ramesh, MS, & C. C Pattanshetti, "Business Communication", R.Chand&Co, New Delhi, 2003.								
R	eference Bo	ooks							
1	Rodriquez M V, "Effective Business Communication Concept" Vikas Publishing Company ,2003.								
2									
	,								
R	elated Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1	https://w	ww.managementstudyguide.com/business_communication.htm							
2	https://bl	og.smarp.com/11-reasons-why-business-communication-is-cru	cial-for-						
	company	<u>rs-success</u>							
3									
Co	Course Designed By:								

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE		T	P	С
Core XIV	COMPUTER APPLICATION PRACTICAL II- INTERNET AND WEB DESIGNING		-	4	4
Pre-requisite	Basic Knowledge Internet & HTML	Sylla Versi		202	1-22

The main objectives of this course are to:

- 1. To Educate the students on the functions and uses of internet.
- 2. To Give the knowledge on how to search theweb.
- 3. To Learn to know the uses and applications of HTML
- 4. To Make the students to know how to create link theweb.
- 5. To Get a knowledge on how to download and upload thevideos.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

COMPUTER APPLICATIONS PRACTICAL – II

INTERNET AND WEB DESIGNING

- 1. Create web pages for a business organization using HTMLFrames.
- 2. Create a Program using HTML to display the ordered list and unordered list of aDepartmental Store.
- 3. Program to display Image and text using HTML tag for an advertisement of aCompany Product.
- 4. Create a table to display list of products using HTMLTag.
- 5. Create a document using Formatting and alignment to display Sales Letter. 6. Create aResume using HTMLTag.
- 7. Create a website of your department with minimum five links using HTML.
- 8. Create a document using Form to support Local Processing of Orderform.
- 9. Create a Form of the Customer Survey for the user to enter General name and address information. 10. Create a Frame to display a multiform document.

L		
I	Total Lecture hours	60 hours
I	Course Designed By:	

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	M	S	S
CO3	S	S	S	S	M
CO4	S	M	S	S	S
CO5	S	S	S	S	M

^{*}S-Strong; M-Medium; L-Low



Course code	TITLE OF THE COURSE	L	Т	P	C
AlliedIV	PRINCIPLES OF MANAGEMENT	3	-	•	3
Pre-requisite	Basic knowledge of Principles of Management	Syllabus Version		20	21-22

The main objectives of this course are to:

- 1. Conceptualize on the functions and theories of principles ofmanagement.
- 2. Enable the students to study about the different types of management theories.
- 3. Make the students to understand the delegation of power and control.
- 4. Acquire the detailed knowledge on communication inmanagement.
- 5. Make the students to understand the motivationaltheories.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

1	Conceptualize the nature and scope of Management process	K1
2	Understand the Planning and decision-making process.	K2
3	Enlighten about the organization and organization structure.	K1
4	Enumerate Theories of motivation and incentives.	K2
5	Make the students to understand the Co-ordination and control process.	K2

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 MANAGEMENT AND ADMINISTRATION

15 hours

Definition of Management – Management and Administration – Nature and Scope of Management - Functions of Management - Contribution of F.W. Taylor – Heniry Fayol – Mary Parker Follet – Mc Gregor and Peter F. Drucker.

Unit:2 PLANNING 8 hours

Planning – Meaning – Nature and Importance of Planning – Planning promises – Methods and Types of plans – Decision Making.

Unit:3 ORGANIZATION 10 hours

Organization – Meaning, Nature and Importance – Process of Organization – Principles of Sound Organization – Organization Structure – Span of Control – Organization Chart - Departmentation—DelegationandDecentralization—AuthorityrelationshipLine,Functional and Staff.

Unit:4 MOTIVATION 10 hours

Motivation – Need – Determinants of behaviour – Maslow's Theory of Motivation – Motivation Theories in Management – X, Y and Z theories – Leadership styles – MBO – Management by Exception.

Unit:5 COMMUNICATION IN MANAGEMENT 15 hours

Communication in Management – Co-Ordination – Need and Techniques – Control – Nature and process of Control – Techniques of Control.

Unit:6	CONTEMPORARY ISSUES	2 hours
Expert lectures.	online seminars – webinars	
	Total Lecture hours	60 hours
Text Book(s)		
1 Principles	of Management - Koontz and O"Donald	
2 Business	Management - Dinkar – Pagare	
3 The Princ	iples of Management - Rustom S. Davan	
Reference B	ooks	
1 Business	Organization and Management - Y. K. Bhushan	
2 Business	Management – Chatterjee	
Related Onli	ine Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1 https://w	ww.youtube.com/watch?v= <u>nikDhY1z8s</u>	
2 https://w	ww.youtube.com/watch?v=nZd3tUvfjq4&t=89s	
3 <u>https://w</u> <u>Kg1O7y</u>	ww.youtube.c <mark>om/watch?v=xCEAiy51oS8&list=PLG</mark> RG6Dk7lyZ7	7vBWcAPIxfyF
	The state of the s	

1	Mapping with Programme Outcomes								
COs	PO1	PO2	PO3	PO4	PO5				
CO1	S	S	S	M	M				
CO2	M	S	S	S	S				
CO3	S	S	S	S	S				
CO4	S	M	M	S	S				
CO5	S	SIGATE	S	S	S				

S- Strong; M-Medium; L-Low

Cour	se code		TITLE OF THE COURSE	L	Т	P	C			
Skil	l based	Subject-2	COMPANY LAW	3	-	-	3			
]	Pre-requi	isite	Basic knowledge on Company Law	Syllal Versi		202	21-22			
	se Objec									
The r	nain obje	ctives of the	his course are to:							
1. E	Educate th	e students	about the kinds and formation of aCompany.							
	2. Make the students to understand the Memorandum of Association.									
	3. Understand about uses and formation of the prospects of acompany.									
			ledge on appointment and salaries of company director	r andsec	cretary	y .				
3. C	naerstan	a about va	rious types ofmeeting.							
	. 10									
		rse Outco								
			eletion of the course, student will be able to:			TZ/				
1	P. J.					K				
2	Underst	and about	Memorandum and Articles of Association.			\mathbf{K}'	2			
3	Get a de	etailed kno	owledge on Prospectus and Kinds of shares and			K.	2			
	Debenti	ires.	are En							
4	Acquire	the know	ledge on powers and duties of Director and Secretary			K.	2			
5	Underst	and about	kinds of meetings.			K.	2			
K1 -	- Rememl	per: K2 - U	Jnderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate	: K6 – (Create					
		,	TI 3	,	7					
Unit	t:1		COMPANY		,	8 ho	urs			
Con	npany – D	Definition -	- Characteristics - Kinds - Privileges of Private Comp	any – F	Forma	tion				
of a	Company	<i>J</i> .		7-1						
			Comment of the second of the s	/						
Unit			MEMORANDUM OF ASSOCIATION		9 hou		C.T.T.			
Men	norandum	of Assoc	iation – Meaning – Purp <mark>ose – Alter</mark> ation of Memorandu n – Meaning – Forms – Contents – Alteration of Artic	ım –	Doct	ine	of Ultravires			
		ndoor man	The second secon	168 —						
		14001 111411	agement and the management of							
Unit	t:3		PROSPECTUS		8 ho	urs				
		Definition	- Contents - Deemed Prospectus - Misstatement in Pro-	spectus						
	-	res and De	<u>♣</u>							
Unit			Director and Secretary		7 ho	urs				
			- Qualification and Disqualification - Appointment -	Remova	al –					
Ren	Remuneration – Powers, Duties and Liabilities.									
Unit	Unit:5 MEETINGS 11 hours									
		L emisites <i>d</i>	of Valid Meeting – Types of Meeting – Winding up – I							
1	Vinding U	-	7 rand meeting 1 ypes of meeting – winding up – i	vicalill,	6 IVI	oues				
		г.								

Unit:6	CONTEMPORARY ISSUES	2 hours						
Expert lectures,	online seminars – webinars	•						
9								
	Total Lecture hours	45 hours						
Text Book(s)								
	or, "Company Law" Sultan Chand & Sons, New Delhi 2005							
	K, "Company Law", Vikas Publishing House, New Delhi							
3 Gower L.C	C.B, "Principles of Modern Company Law", Steven & Sons, Lo	ndon.						
170								
Reference Bo	ooks							
1 Ramaiya	A, "Guide to the Companies Act", Wadhwa & Co., Nagpur							
2 Singh Av	rtar, "Company Law", Eastern Book Co., Lucknow							
Related Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1 https://w	ww.youtube.com/watch?v=G9MyWFgsNLU							
2 https://w	ww.youtube.com <mark>/watch?v=gEDSdXW0JPQ&list=</mark> PLWKgfZA	hHUZaqiDvDUNO						
RypEhPo	RypEhPdmZHzg3							
3 https://wv	3 https://www.youtube.com/watch?v=AdDQ05rP7jE&list=PLgK6tNi_UIbXbK9foc3khX8ec							
mlaq4FT								
C D :	10							
Course Desig	ned by:	hd						

	Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5			
CO1	S	S	S	S	S			
CO2	M	M	S	S	M			
CO3	S	S	S	S	S			
CO4	S	S	S	M	S			
CO5	S	S	S	S	S			

S- Strong; M-Medium; L-Low



Course code	TITLE OF THE COURSE	${f L}$	T	P	C	
Core XV	Software Engineering	4	-	-	- 4	
Pre-requisite	Basic knowledge in Software Engineering	Sylla Versi	bus on	202	1-2	
Course Object						
•	etives of this course are to:					
2. To enable3. To impart	the basic knowledge on software engineering the students on the functional aspects of software design knowledge on software maintenance lowledge on debugging					
•	he concept of managing the software design					
Expected Cou						
	sful completion of the course, student will be able to:					
	nd the concept on software engineering			K2 K1		
2 Understar	Understand the concept on structured design					
3 Remember	Remember the techniques of software cost estimation					
4 Apply the	Apply the a quired knowledge on debugging					
5 To apply the concept of managing the software design						
K1 - Rememb	er; K2 - U <mark>nd</mark> erstand; K3 - A pply; K4 - An aly <mark>ze; K5 - Ev</mark> alua	te; K6 –	Creat	e		
		No.				
Unit:1	INTRODUCTION	0 114		hou	rs	
productivity fa	o Software Engineering: Introduction – Definition – Size factor actors. Planning a software project: Defining the problem Devining the development process.					
Unit:2	SOFTWARE COST ESTIMATION		10	hou		
Software cost	estimation: Software cost factors- Software cost estimation to	echniques				
Unit:3	SOFTWARE DESIGN		10	hou	rs	
Software Desi	gn: Fundamental design concepts- Coupling and cohesion- Dign- Integrated top down development- Design Guidelines.	esign not				
Unit:4	IMPLEMENTATION ISSUES			hou	rs	
-	on Issues- Verification and validation techniques: Quality assubolic execution- Unit testing and debugging- System testing.	irance Sta	atic			
Unit:5	SOFTWARE MAINTENANCE			hou	rs	
	tenance: Enhancing maintainability during development Manintenance- Configuration management- Source code metrics.	agerial as	pects			

Contemporary Issues

2 hours

Unit:6

	Total Lecture hours 60 hours
T	ext Book(s)
1	Richard E. Fairley, "Software Engineering Concept", Tata Mc Graw Hill Pub, Company Ltd.
	New Delhi.
_	6 TO 1
K	eference Books
1	Roger Pressman, "Software Engineering", Tata Mc Graw Hill Pub, Company Ltd, New Dell
R	elated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.tutorialspoint.com/software_engineering/index.htm
2	https://www.tutorialspoint.com/software_engineering/software_analysis_design_tools.htm

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	T	P	
Core XVI		Management Accounting	4		_	
Pre-requisite	!	Basic knowledge onManagementAccounting	Syll Versi	llabus 202		1-2
Course Object						
The main objec	ctives of this	s course are to:				
 To enable To impart To gain kn 	the student knowledge nowledge or	knowledge on management accounting s on identifying the liquidity position of the company on preparation of fund and cash flow statements in marginal costing and its applications ds of budget				
Expected Cou On the succes		nes: etion of the course, student will be able to:				
1 Understa		ept on management accounting and its relationship wi	th		K2	
2 Remembering the gained knowledge on Ratio Analysis						_
3 Apply fu	nd and cash	flow statements			K3	
4 Analyse on marginal costing and its applications K						
5 Analysin	g various ki	nds of budget			K4	_
K1 - Rememb	oer; K2 - Ur	nderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	K6 – C	reate		
Unit:1		MANAGEMENT ACCOUNTING	d	15 ł	ours	<u> </u>
		g – Meaning – Objectives and Scope – Relationship be , Cost Accounting and Financial Accounting.	etween			
Unit:2		RATIO ANALYSIS		15 k	ours	
	•	s of liquidity – Solvency and Profitability – Construct	ion of	131	iours	
Unit:3		WORKING CAPITAL		13 h		
		ing capital requirements and its computation – Fund F	low An			
Unit:4		RGINAL COSTING AND BREAK EVEN ANALYSIS		15 h	ours	
-	•	eak Even Analysis – Managerial applications of marginals of marginal costing.	nal cost	ing –		
Unit:5	BUD	GETING AND BUDGETARY CONTROL		15 h	ours	_
0 0	Budgetary of ter Budget -	control – Definition – Importance, Essentials – Classi – Preparation of cash budget, sales budget, purchase b		of		

budget, flexible budget.

Uı	nit:6	Contemporary Issues	2 hours						
Ex	pert lecture	s, online seminars – webinars							
Distribution of marks: Theory 40% and Problems 60%									
		Total Lecture hours	75 hours						
Text Book(s)									
1	Dr. S.N. M	Iaheswari. "Management Accounting", Sultan Chand & Sons, N	New Delhi, 2004						
2	Sharma an	d S.K.Gupta "Management Accounting", Kalyani Publishers, N	New Delhi,2006.						
	•								
Re	eference Bo	ooks							
1	S.P. Jain a	nd KL. Narang, "Cost and Management Accounting", Kalyani	Publishers, New						
	Delhi.								
2	S.K.Bhatta	charya, "Accounting and Management", Vikas Publishing Hou	ise.						
	•								
Re	elated Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1	https://wv	vw.freshbooks.com/hub/accounting/management-							
	accountin	g#:~:text=Manage <mark>ment%20accounting%20is%20the%</mark> 20process,and	<u>%20commu</u>						
nicating%20information%20to%20managers.									
2	2 https://debitoor.com/dictionary/management-accounting								
3		1 3.E							
Co	ourse Desig	ned By:							

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	M	S	S	S
CO2	S	S	S	M	M
CO3	S	S	S	S	S
CO4	S	M	S	S	S
CO5	S	S	S	M	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Core XVII	E- Commerce Technology	4	-	-	4
Pre-requisite	Basic knowledge on E-commerce Technology		ibus sion	202	0
Course Objectives:					
The main objectives of	of this course are to:				

- 1. To acquire the basic concept of E-Commerce
- 2. To enable the students on network security and firewall
- 3. To impart knowledge on electronic payment systems
- 4. To gain knowledge on consumer aspects in E-Commerce
- 5. To know and apply various digital payment methods

Exp	ected Course Outcomes:				
On	the successful completion of the course, student will be able to:				
1	Understand the basic concept of E- Commerce and its applications	K2			
2	To gain the knowledge on EDI	К3			
3	Analyse security and the web	K4			
4	To gain knowledge on consumer aspects in E-Commerce	K2			
5	Apply various digital payment methods	К3			
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create					
Un	t:1 E-COMMERCE 15	hours			

E-Commerce-Framework-Classification of electronic commerce -Anatomy of E-Commerce Applications- Components of the I way-Network Access Equipment-Internet Terminology.

Unit:2 ELECTRONIC DATA 15 hours INTERCHANGE

Electronic Data Interchange- Benefits-EDI Legal, Security & privacy issues- EDI software implementation- Value added networks-Internal Information Systems-Work flow automization and Coordination-Customization and Internal Commerce.

Unit:3 NETWORK SECURITY AND FIREWALLS 15 hours

Network security and firewalls- Client Server Network Security- Emerging client server security threats- Firewalls and network security- Data and message security- Encrypted documents and electronic mail- Hypertext publishing- Technology behind the web- Security and the web.

Unit:4	CONSUMER ORIENTED ELECTRONIC	15 hours
	COMMERCE	

Consumer Oriented Electronic Commerce: Consumer Oriented Applications-Mercantile Process Models-Mercantile Models From the Consumers Perspective- Mercantile Models from the Merchants Perspective.

Un	nit:5	ELECTRONIC PAYMENT SYSTEMS	13 hours			
Elec	ctronic Payr	nent Systems-Types-Digital Token Based Electronic Payment Syst	em-Smart Cards			
& C	redit Card l	Electronic Payment Systems -Risk -Designing electronic payment s	system.			
Un	nit:6	Contemporary Issues	2 hours			
Ex	pert lecture	es, online seminars – webinars				
		Distribution of marks: Theory 40% and Problems 60%				
		Total Lecture hours	75 hours			
Te	xt Book(s)					
1	Ravi Kala	kota & Andrew b. Whinston, "Frontiers of Electronic Commerce	e", Dorling			
	Kindersley	y (India) Pvt.Ltd-2006	_			
2	2 Bharat Bhasker, "Electronic Commerce", Tata Mc Graw Hill Publishing Co Ltd, New Delhi-					
	2006.					
Re	eference Bo	ooks				
1	Daniel Mi	noli, Emma Minoli "Web Commerce Technology Handbook", I	Tata McGraw Hill			
		g, New Delhi.				
2		yudu,"E-Commerce &E-Business",Himalaya Publishing House	, New Delhi, 2004.			
Re	lated Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]				
1	https://se	archcio.techtarget.com/definition/e-				
		re#:~:text= <mark>E%2Dco</mark> mmerce%20(electronic%20 <mark>co</mark> mmerce)%20is%	20the% 20buyin			
		1%20selling,or%20consumer%2Dto%2Dbusiness.	N. A.			
2	https://ed	commerceguide.com/guides/what-is-ecommerce/				
3		Janapas Josep -				
10.		lasin .	nd .			
Co	ourse Desig	ned By:				

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	M	S	M
CO3	S	M	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	M	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	Т	P	С
Core XVIII	Java Programming	3	-	-	3
Pre-requisite	Basic knowledge in Java Programming	Sylla Ver	bus sion	202	21-22

The main objectives of this course are:

- 1. To acquire the basic concept on Java
- 2. To enable the students on net based business applications
- 3. To impart knowledge on applet programming
- 4. To gain knowledge on multithreaded programming
- 5. To create an application in Java

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

1	Understand the concept on java programming	K2
2	Remember the application Oriented Programming using Java	K1
3	Understand the concept on arrays and string	К3
4	To gain knowledge on multithreaded programming	K2
5	To analyse an appli <mark>cation in Java</mark>	K4

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 INTRODUCTION TO JAVA

15 hours

Introduction to Java - Java Program Structure - Java Tokens - Java Statements - Implementing Java Program - Command Line Arguments - Constants - Variables - Data types - Type Casting

- Operators: Arithmetic Relational Logical Assignment Increment Decrement
- Conditional Bitwise Special.

Unit:2 DECISION MAKING AND BRANCHING 10 hours STATEMENTS

Decision Making and Branching statements – Decision Making and Looping Statements – Jumps in Loops – Labeled Loops - Classes, Objects and Methods: Defining a Class – Adding Variables – Adding Methods – Creating Objects – Accessing Class Members – Constructors – MethodOverloading–Inheritance–OverridingofMethods–FinalVariables,Methodsand Class – Abstract Methods and Class – Visibility Control: Public – Friendly – Protected – Private (Simple Concepts).

Unit:3 TITLE OF THE UNIT (CAPITALIZE EACH WORD) 10 hours

Arrays : One-Dimensional Array – Two-Dimensional Array – String : String Arrays – String Methods – String Buffer Class - Interfaces (Multiple Inheritance) : Defining Interfaces – Extending Interfaces – Implementing Interface – Accessing Interface Variables - Packages : System Packages – Using System Packages – Creating, Accessing and Using a Package – Adding a Class to a Package – Hiding Classes.

Unit:4	MULTITHREADED PROGRAMMING	15 hours
Blockii Synchr	eaded Programming: Creating Threads – Extending the Thread Cg a Thread – Life Cycle of a Thread – Using Thread Methods – Threation – Implementing the "Runnable" Interface (Simple Conceptions: Types of Errors – Exceptions – Syntax of Exception Han	hread Priority – epts). Managing Errors
	Statement – Throwing our Own Exceptions – Using Exceptions for	
Unit:5	APPLET PROGRAMMING	18 hours
Applets Adding the Disp FilesinJa	ogramming: Applets – Difference between Applet and Application Building Applet Code—Applet Life Cycle—Creating Executable Applet Applet to HTML File – Running the Applet – Passing Parameter ay – Displaying Numerical Value – Getting Input form User - Nova: Stream Concept—Stream Classes—Other I/O Classes—Creating Files Characters, Bytes – Simple Input and Output – Other Stream Class	t-AppletTag rs to Applet – Aligning Managing Input/Output s-Reading/
Unit:6	Contemporary Issues	2 hours
Expert	ectures, online seminars – webinars	<u>.</u>
	Distribution of marks: Theory 40% and Problems 60	1%
	Total Lecture hour	s 60 hours
Text B	ok(s)	
	alagurusamy, "Prog <mark>ramm</mark> ing with Java - A Pri <mark>mer", Tata Mc G</mark> rav pany Limited, N <mark>ew Delh</mark> i, 2006.	w – Hill Publishing
Refere	ce Books	M
1 Jose	oh L. Weber, "Using Java 2 Platform", Prentice Hall of India Pvt	Ltd
Poloto	Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	A STATE OF THE STA
1 <u>ht</u> t	os://www.w3schools.com/java/java_intro.asp os://www.w3schools.com/java/java_operators.asp	7 7

Course Designed By:

3

Cos	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	M	S
CO2	S	M	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	M
CO5	S	S	M	S	S

^{*}S-Strong; M-Medium; L-Low

Course code TITLE OF THE COURSE		L	Т	P	С
Core XIX	COMPUTER APPLICATIONS JAVA PROGRAMMING - PRACTICAL III		-	4	4
Pre-requisite	Basic Knowledge in Java programming applications	asic Knowledge in Java programming applications Syllab Versi		202	21-22

The main objectives of this course are:

- 1. To acquire the basic concepts on Java.
- 2. To enable the students on net based business applications.
- 3. To impart knowledge on application of javaprogramming.
- 4. To gain knowledge on multithreadedprogramming
- 5. To create an application in Java

Exp	ected Course Outcomes:	
On	the successful completion of the course, student will be able to:	
1	Understand the concept on java programming	K2
2	Remembering application Oriented Programming using Java	K1
3	Understand the concept on arrays and string	К3
4	Apply the knowledge on multithreaded programming	К3
5	Analyse an application in Java	K4

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

COMPUTER APPLICATIONS PRACTICAL - III JAVA PROGRAMMING

- 1. Write a program to check whether a given number is prime or not.
- 2. Write a program to check whether the given year is leap year or not.
- 3. Write a program to find the Sum of the series $x+x^2/2! + X^3/3! + ... + x^n/n!$
- 4. Write a program to find and replace a word with a string.
- 5. Write a program to prepare the mark list using Inheritance.
- 6. Create a simple calculator applet that implements the 4 basic mathematical Function
- 7. Write a JAVA applet to calculate the payroll of employees.
- 8. Write a JAVA applet to create a simple spreadsheet.
- 9. Create a program to perform Banking Transactions.
- 10. Create a Program to display the resume of employees

	Total Lecture Hours	60 hours
Course Designed By:		

Cos	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	S
CO2	S	M	S	S	M
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	M	S	S

^{*}S-Strong; M-Medium; L-Low



Course code TITLE OF THE COURSE L						
Elective	-I A	Income Tax Law & Practice	4	-	-	4
Pre-requisite	;	Basic knowledge ontaxlaw	Sylla Vers		202	1-22
Course Objec	tives:			•		
The main object	ctives of thi	s course are to:				
2. To familia	arize the stu	accounting knowledge on principles and concept oftax dents with recent amendments of IncomeTax depth knowledge on income tax law andamendments				
		on taxation of variousincomes				
_		aware on the concepts of aggregation ofIncome				
Expected Cou	rse Outcor	nes:				
		etion of the course, student will be able to:				
1 Recall the	e fundamen	tal concepts of income tax			K 1	
2 Apply the					K3	
3 Analyse						
4 To gain knowledge about capital gains					K2	
5 Understa	nd on asses	sment of individuals and tax liability	À		K2	
K1 - Rememb	oer; K2 - Uı	nderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	K6 –	Cre	eate	
T I:4-1		Introduction to Income Toy	4	1	5 ha	
Unit:1 Income Tax A	Act – Defini	Introduction to Income Tax tion of Income – Assessment year – Previous Year – A	Assess		.5 ho Scop	
of Income – C	Charge of Ta	ax – Re <mark>sidential Status – Exempted Inco</mark> me.	70			
TI:4-2		recover from Colories and House Dromouter		15	' le a	
Unit:2		ncome from Salaries and House Property e from Salaries – Income from House Property.		15	hou	rs
Treads of fried	me. meom	inom Salaries income from House Froperty.				
Unit:3		Income from Other Sources		15	hou	rs
Profit and Ga	ins of Busir	ness or Profession – Income from Other Sources.				
TT *4 4		0.410.		1.5	1	
Unit:4	Doductic	Capital Gain ons from Gross Total Income.		15	hou	rs
Capital Gaills	- Deductio	his from Gross Total filcome.				
Unit:5		Aggregation of Income		13	hou	rs
Set off and Ca - Assessment		d of losses – Aggregation of Income- Computation of tals.	Tax li	abilit	y	
Unit:6		Contemporary Issues		2	hou	rs
-		minars – webinars				
Distribution of	of Marks be	tween theory and problem shall be 40% and 60% resp	ective	ly.		

		Total Lecture hours	75
Te	ext Book(s)		
1	Gaur and I	Narang, "Income Tax Law and Practice" Kalyani publishers Ne	w Delhi
2			
Re	eference Bo	oks	
1	Dr. HC M	Iehrotra, "Income-tax Law and Accounts" Sahithya Bhavan pu	blishers
2			
Re	elated Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://w	ww.youtube.com/watch?v=5IghLd05bgU	
2	https://w	ww.youtube.com/watch?v=Nh_pm1zfQ6g	
3			
Co	ourse Design	ned By:	

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	M	S	S	M	S
CO3	S	S	S	S	S
CO4	S	S	M	S	M
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	Т	P	C
Elective	I B	Brand Management	4	-	-	4
Pre-requisite	;	Basic knowledge on marketing and branding	Sylla Versi	bus ion	202	1-22
Course Objec						
The main object	ctives of th	nis course are to:				
1. Conceptua	alize an ide	ea about brand and related terms.				
	_	at various forms of brand associations.				
		nowledge on banding impact.				
		s to know more about branding rejuvenation.				
5. Have bette	er understa	anding on branding strategies.				
Expected Cou	rse Outco	omes:				
		letion of the course, student will be able to:				
		s and concepts relating to branding		K	1	
	Understand on brand vision and image building					
	Evaluate the dimensions of branding impact					
		ic components of branding and co-branding		K:		
		ng trends in designing branding		K.		
		Inderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate; 1	K6_(
KI - Kemem)C1, 1X2 - C	Anderstand, NS - Appry, N4 - Amaryze, NS - Evaruate, 1	IXU - V	Cican		
Unit:1		Introduction to Branding	À	15	hou	rs
brand mark as brand – select	nd trade m	erstanding of brands – concepts and process – significar ark – different types of brands – family brand, individual name – functions of a brand – branding decisions – influence	al brai	nd, pr ng fac	ivate tors.	:
Unit:2		Brand Association			hou	
Brand Associ	ations: Bra on – branc	and vision – brand <mark>ambassador</mark> s – brand as a personality	, as tr	ading	asse	
Brand extensi		l positioning – brand image building				
		SLILIEDIT S		15	how	et,
Unit:3	· Brandina	Brand Impact	v pro		hou	rs
Unit:3 Brand Impact	- role of b	Brand Impact g impact on buyers – competitors, Brand loyalty – loyalt grand manager – Relationship with manufacturing - mar		gramı	nes -	rs
Unit:3 Brand Impact brand equity	- role of b	Brand Impact g impact on buyers – competitors, Brand loyalty – loyalt grand manager – Relationship with manufacturing - mar		gramı g- fina	nes -	rs
Unit:3 Brand Impact brand equity purchase and Unit:4 Brand Rejuve	role of brack D - b	Brand Impact g impact on buyers – competitors, Brand loyalty – loyalt rand manager – Relationship with manufacturing - markerand audit	keting	gramı g- fina 15 acquis	nes -	rs - -
Unit:3 Brand Impact brand equity purchase and Unit:4 Brand Rejuve takes over and branding.	role of brack D - b	Brand Impact g impact on buyers – competitors, Brand loyalty – loyalty rand manager – Relationship with manufacturing - marker and audit Brand Rejuvenation and rejuvenation and re-launch, brand development three Monitoring brand performance over the product life cy	keting	gramı g- fina 15 acquis	nes - ince hou ition	rs
Unit:3 Brand Impact brand equity purchase and Unit:4 Brand Rejuve takes over and branding. Unit:5	role of brack D - b	Brand Impact g impact on buyers – competitors, Brand loyalty – loyalty rand manager – Relationship with manufacturing - marker and audit Brand Rejuvenation and rejuvenation and re-launch, brand development through	ough a	gramı g- fina 15 acquis	nes -	rs
Unit:3 Brand Impact brand equity purchase and Unit:4 Brand Rejuve takes over and branding.	role of brack D - b	Brand Impact gimpact on buyers – competitors, Brand loyalty – loyalty rand manager – Relationship with manufacturing - marker and audit Brand Rejuvenation and rejuvenation and re-launch, brand development three Monitoring brand performance over the product life cy Brand Strategies	ough a	gramı g- fina 15 acquis	nes - ince hou ition	rs

	Total Lecture hours	75 hours							
T	ext Book(s)								
1	Kevin Lane Keller, "Strategic brand Management", Person Education, Ne	w Delhi, 2003.							
2	Lan Batey Asian Branding – "A great way to fly", Prentice Hall of India, Singapore 2002.								
3	Jean Noel, Kapferer, "Strategic brand Management", The Free Press, New	York, 1992.							
R	eference Books								
1	Paul Tmeporal, Branding in Asia, John Wiley & sons (P) Ltd., New York,	, 2000							
2	S.Ramesh Kumar, "Managing Indian Brands", Vikas publishing House (P 2002) Ltd., New Delhi,							
3	Jagdeep Kapoor, "Brandex", Biztantra, New Delhi, 2005.								
R	elated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]								
1	https://www.canto.com/blog/brand-management/								

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	L	S
CO2	S	S	S	S	M
CO3	S	S	S	S	S
CO4	S	S	M	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	Т	P	C	
Elective	I C	Fundamentals of Insurance	4	-	-	4	
Pre-requisite	:	Basic knowledge in Fundamentals of Insurance	Sylla Ver	abus sion	202	1-22	
Course Object							
The main object	ctives of th	is course are to:					
2. To identify3. To effectiv4. To give an	the qualifically the prepare insight on	cnowledge onInsurance ication ofagents e roles and responsibilities ofagents actuarialconcepts knowledge on General Insurance					
Expected Cou	rse Outco	mes:					
		etion of the course, student will be able to:			K2		
	r						
		s and <mark>responsibilitie</mark> s of Agents			K2		
3 Analyze	the qualific	cation of insurance agents			K4		
4 Gain knowledge about actuarial concepts							
5 Understa	nd general	insurance concepts and types	. 4		K2		
K1 - Rememb	oer; K2 - U	nderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate	; K6 –	Crea	ate		
Unit:1		Introduction to Insurance		15	hou	ırs	
Introduction to insurance and	THE PERSON NAMED IN	e: Purpose and need of insurance: Insurance as a social development.	al secur	ity to	ol;		
Unit:2		Pre-requisitions for an Agent			hou	ırs	
	of license;	g an Agent: Pre-requisite for obtaining a license: Du Revocation or suspension/termination of agent appoints.					
Unit:3		Agents Roles and Responsibilities		15	hou	ırs	
	rwriting; N	:: Proposal form and other forms for grant of condaterial information; Nomination and assignment; Press.					
Unit:4		Actuarial Aspects			hou	rs	
	vities; Stru	izational set-up of the company; Promotion strategy; acture; Product; Actuarial profession; Product pricing				ts;	
Unit:5		General Insurance		13	hou	rs	
	l	CONTAIN THE MILES		10	u	- 5	

	Fundamental/Principles of life Insurance/Marine/Fire/Medical/General Insurance: Contract of various kinds; Insurance Interest.							
_		ution of Marks between problems and theory shall be 80% and 2	20%.					
Un	nit:6	Contemporary Issues	2 hours					
Ex	pert lecture	s, online seminars – webinars						
		_						
		Total Lecture hours	75					
Te	xt Book(s)	<u>.</u>						
1	Mishra M.	N: Insurance Principles and practice; S. Chand and co, New Del	hi.					
2	Insurance 1	Regulatory Development Act 1999						
3								
Re	ference Bo	oks						
1	Life Insura	nce Corporation Act 1956.						
2								
Re	lated Onli	ne Contents [M <mark>OOC, SWAYAM, NPTEL, Webs</mark> ites etc.]						
1	https://wv	ww.youtube.c <mark>om/watch</mark> ?v=zAg_i0m2AHM						
2	https://wv	ww.youtube.co <mark>m/wa</mark> tch?v=_ApbX0YKsjY						
Co	urse Desigi	ned By:						

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	L	S
CO2	S	S	S	S	M
CO3	S	S	S	S	S
CO4	S	S	M	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Skill based Subject-3 BANKING AND INSURANCE LAW 3 - 3 Pre-requisite Basic Knowledge of Banking Insurance Law Version 2021-22	Course code		TITLE OF THE COURSE	L	T	P	C
	Skill based Subject-3		BANKING AND INSURANCE LAW	3	-	-	3
	Pre-requisite		5 <u>.</u>			202	21-22

Course Objectives:

The main objectives of this course are to:

- 1. To enable the students to understand the Concepts of Banking and itsFunctions
- 2. To understand Negotiable Instrument Act.
- 3. To gain knowledge on the recent trends in Banking and Insurance sector and the regulating provisions.
- 4. To Study the Objectives and functions of IRDA

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

Understand the Concepts, functions of banking and relationship between Banker and Customer	K2
2 Gain knowledge on Negotiable Instruments Act and itskinds	K2
3 To gain knowledge on functions and principles of Insurance	K1
4 Gain knowledge on Insurance System and Acts pertaining to it.	K2
5 Understand the IRDA functioning	K2

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1	BANKER AND CUSTOMER	8hours

Banker and Customer – Definition – Relationship - Functions of Commercial Banks – Recent Developments in Banking.

Unit:2 NEGOTIABLE INSTRUMENT ACT 9--hours

Negotiable Instrument Act - Crossing - Endorsement - Material Alteration – Payment of cheques : Circumstances for dishonour - Precautions and Statutory Protection of Payingand Collecting Banker.

Unit:3 INSURANCE 8--hours

Insurance: Meaning - Functions - Principles: General, Specific and Miscellaneous. Classification of Insurance: Based on Nature, Business and Risk – Impact of LPG on Indian Insurance Industry.

Unit:4	LEGAL DIMENSION OF INSURANCE	7-hours
--------	------------------------------	---------

Legal dimension of Insurance : Insurance Act, 1938 – Life Insurance Act , 1956 – General Insurance Business Act, 1932 – Consumer Protection Act,1986.

Uı	nit:5 IRDA 11hours						
		on - Composition of Authority - Duties, Powers and Functions - I					
Αι	uthority - D	uties, Powers and Functions- Powers of Central Government in II	RDA Functioning				
	•• •	GOVERN (DOD) DV YGGVING	2.1				
	nit:6	CONTEMPORARY ISSUES	2 hours				
EX	spert lecture	es, online seminars – webinars					
		Total Lecture hours	45hours				
Te	ext Book(s)						
1	· · · · · · · · · · · · · · · · · · ·	"Banking Theory, Law and Practice", Sultan & Chand Ltd.					
2	Gordon ar	nd Nataraj, "Banking Theory, Law and Practice", Himalaya Publis	shing House				
3	3 M.L. Tannan, "Banking Law and Practice", Thacker & Co Ltd						
(1)	l						
Re	eference Bo	ooks					
1		la, M.C. Garg & K.P. Singh <mark>,"Insurance -</mark> Fundamentals, Environnes", Deep & Deep <mark>Publications Pvt. Ltd., New De</mark> lhi, 2004.	nent &				
2		shra, "Insurance – Principles and Practice", S.Chand& Company	Ltd., New Delhi,				
		Lais Lea					
Re	1	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
1	1 <u>https://www.youtube.com/watch?v=vqmMxbHufQk&list=PLH-J9IY9-DpNk9bgsORjIFW46SANwtSDE</u>						
2	https://www.youtube.com/watch?v=vqmMxbHufQk						
3		ww.youtube.c <mark>om/watch?v=oxzmP7sjCRQ&list=PLBb</mark> CyJkOLBi hk4owllgJK6aiT2	m-				
Co	ourse Desig	ned By:Sathiyavanisathiyavanis@skacas.ac.in	7				

Mapping with Programme Outcomes								
Cos	PO1	PO2	PO3	PO4	PO5			
CO1	S	S	M	M	M			
CO2	M	M	M	M	M			
CO3	S	S	M	M	S			
CO4	S	M	M	M	S			
CO5	S	M	S	S	S			

S- Strong; M-Medium; L-Low

Nan Mudhalvan

Course Name: BANKING AND LENDING PAPER I: BANKING AND NBFC PRODUCTS AND SERVICES

Course Objective:

- Present students with an understanding of sound banking practices in the area of lending by banks.
- They can also identify borrower's needs as well as structure a loan for the client of a financial institution and manage the loan.

Course Content:

- Structure of Indian Financial System
- Equilibrium in financial markets
- Regulatory and Promotional Institutions
- History and growth of banking in India
- Different type of loan products offered by banks
- Lease finance
- Ancillary services Remittances

Course Outcomes:

- Different type of loan products offered by banks personal loan, commercial loan, term loan, car loan, education loan, Letter of Credit, Bank Guarantee, Priority Sector Lending, Export-Import Credit, Offshore Banking Products,
- History, growth, importance, and types of NBFCs in India, Fixed Deposit, Corporate Deposits,
- Lease Finance- Conceptual and Regulatory Framework, Classification and Financial leasing, Hire Purchase and Consumer Credit, Working Capital Finance Factoring and Forfeiting, Housing finance, Venture capital financing, buy now pay later, micro loans.
- Ancillary Services Remittances; Safe Deposit Lockers; Custodial Services, Govt. Business; EBT, Cash Operations, Cash Management Services, Agency & Representative Services, Financial Intermediary Services, Foreign Exchange Services, Asset Reconstruction & NPA Recovery.

For Further Reading:

https://www.legalserviceindia.com/legal/article-5832-an-overview-of-non-banking-financial-service- nstitutions.html

References:

- ${\color{red} \bullet \underline{https://www.adb.org/sites/default/files/publication/746261/sawp-083-nonbanking-financial-companies-india.pdf}$
- https://www.researchgate.net/publication/343163472_NON_BANKING_FINANCIAL_C
 OMPANY_NBFC_SECTOR_IN_INDIA__TRENDS_REGULATORY_ISSUES_AND_WAY_FORWARD

Industry Scope:

- Private equity consulting
- In-house advisor

Industry Use Cases

- Introduction of Aadhaar-enabled payment system (AEPS) by the National Payments Corporation of India (NPCI)
 - How have NBFCs in India adapted to the changing regulatory environment?
- What are some innovative products and services offered by Indian banks to cater to the rural population?
 - What role do mobile banking apps play in the Indian financial sector?
- How have Indian banks and NBFCs addressed the issue of financial inclusion in the country?
- Distributed Ledger Technology (DLT) in NBFCs: NBFCs in India are experimenting with DLT for various use cases such as e-KYC, data exchange, loan disbursement and collection, and cyber security
- Advanced Analytics in Banking: Banks in India are leveraging advanced analytics to drive business growth. Use cases include using analytics to generate meaningful increases in profits, identifying small improvements in processes, and building robust analytics organizations
- Expected Credit Loss Analysis for NBFCs: Financial Accounting Advisory Services (FAAS) in India provides expected credit loss analysis services to NBFCs. This helps NBFCs assess and manage credit risks and comply with accounting standards



Course code	TITLE OF THE COURSE	L	Т	P	С
Core – XX	E-Commerce – II (Strategy and Applications)	4	•	-	4
Pre-requisite	Basic knowledge in E-commerce-II	Sylla Vers			1-22

Course Objectives:

The main objectives of this course are to:

- 1. To provide an exposure about the Practical Application of e-Commerce
- 2. To enable the students to be aware on the emerging changes in marketing and advertising
- 3. To impart knowledge on multimedia
- 4. To gain knowledge on wireless technologies
- 5. To apply the concept of SGML ,CORBA

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

1	Understand the concept on marketing on Internet	K2
2	Understand the technology behind software agents	K2
3	Understand the concept on multimedia applications	K2
4	Apply knowledge on wireless technologies	К3
5	Analyse the concept of SGML, CORBA	K4

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Unit:1 ADVERTISING AND MARKETING ON THE 20 hours INTERNET

Advertising and marketing on the Internet: The new age of information-based marketing Advertising on the Internet – Charting the on-line marketing process-Market research. Consumer Search and Resource Discovery: Search and resource discovery paradigms – Information search and retrieval – Electronic commerce catalogs or directories – Information filtering –Consumer data interface.

Unit:2 SOFTWARE AGENTS 18 hours

Software Agents: Characteristics and properties of agents –Technology behind software agents – Telescript agent language- Safe-Tcl –Applets, Browsers and Software agents – Software agents in action. Internet Protocol Suite: Layers and networking – Internet Protocol suite – SLIP and PPP – Other forms of IP-based networking-Mobile TCP/IP- based networking- Multicast IPNext generation IP.

Unit:3 MULTIMEDIA AND DIGITAL VIDEO 17 hours

Multimedia and Digital Video: Concepts-Digital video and electronic commerce-Desktop video processing-Desktop video conferencing. Broadband Telecommunications: Concepts-Frame relay-Cell relay-Switched multimegabit data service-ATM.

Unit:4	WIRELESS DELIVERY TECHNOLOGY	15 hours
Mobile and W	ireless Computing Fundamentals Framework-Wireless delivery to	echnology and

switching methods –Mobile information access devices-Mobile data internetworking standards Cellular data communication protocols-Mobile computing applications-Personal communication service.

	immumcatic	ni sei vice.					
Uı	nit:5	STRUCTURE DOCUMENTS	18 hours				
Stru	icture Doc	uments: Fundamentals-SGML. CORBA: Distributed objec	ets. Transaction				
Pro	cessing- On	line Purchases-Online share trading -Railway/air ticket reservat	tion				
Uı	Unit:6 Contemporary Issues 2 hours						
Ex	xpert lecture	s, online seminars – webinars					
		Total Lecture hours	90 hours				
Te	ext Book(s)	,					
1	Ravi Kalal	xota &Andrew b.Whinston, "Frontiers of Electronic Commerce	", Dorling				
	Kindersley (India) Pvt.Ltd-2006						
2	Bharat Bh	asker , "Electronic Comme <mark>rce", Tata M</mark> c Graw Hill Publishing (Co Ltd, New Delhi-				
	2006.						
3		noli, Emma Mi <mark>noli "Web Commerce Technology Han</mark> dbook", T	Tata McGraw Hill				
	Publishing	, New Delhi.					
		25 6					
Re	eference Bo	ooks					
1	Dr.C.S.Ra	yudu,"E-C <mark>ommer</mark> ce &E-Business",Himalaya <mark>P</mark> ubl <mark>ishing H</mark> ouse,	, New Delhi, 2004.				
			K d				
Re	elated Onli	ne Conten <mark>ts [MOOC, SWAYAM, NPTEL, Websites et</mark> c.]	M				
1	https://fe	internationa <mark>l.com/blog/what-is-e-commerce-an-introdu</mark> ction-to-	the-industry/				
2	https://w	ww.abetterlemonadestand.com/what-is-ecommerce/					
3		O. C.	V				
		2	- /				
Co	ourse Design	ned By:					

Cos	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	M
CO2	S	M	S	S	S
CO3	S	S	S	S	S
CO4	S	S	M	S	S
CO5	S	S	S	M	S

Course code	TITLE OF THE COURSE	L	T	P	C
Core – XXI	Software Development With Visual Basic	4	-	-	4
Pre-requisite	Basic knowledge in software development with VB	Syllabus Version 20			1-22
Course Objectives:					
The main objectives	of this course are:				
2. To enable the str3. To impart know	ont end application using VisualBasic. udents to develop a front end tool for Customer Interaction ledge on datacontrols dge on working with controls inVB on datacontrols	inBus	iness	•	
Expected Course O					
On the successful co	ompletion of the course, student will be able to:				
1 Understand the	concept on client and server		K	2	
2 To gain the known	owledge o <mark>n IDE</mark>			K2	
3 Understand the	concept on user defined data types		K2		
4 To gain knowle	edge on working with controls in VB		K2		
5 Understand on	data <mark>control</mark> s		:	K2	
K1 - Remember; K2	2 - U <mark>ndersta</mark> nd; K3 - App ly; K4 - An aly <mark>ze; K5 - Ev</mark> aluate; I	K6 – (Creat	e	
TT4.4	INTEROPLICATIO		20	1	
Unit:1	INTRODUCTIO N		20	hou	ırs
Client/Server MoDistributed Logic -	nt/Server - Benefits of Client/Server - Downsizing - Upsizion - Distributed Presentation - Remote Presentation - Distributed Data - Client/Server Architecture - Technic ecture - Two Tier Architecture - Three Tier Architecture	- Ren	note chite	Data cture	. – . –
Unit:2	INTRODUCTION TO VISUAL BASIC		18	hou	rs
Environment (IDE) Toolbox – Propertie	nal Basic – Steps in VB Application – Integrated Developmenton – Menu Bar – Tool Bar – Project Explorer Window – Propes, Methods and Events – Event Driven Programming – Woscope of Variables – Constants – DataTypes.	erty W)W —	
Unit:3	FUNCTIONS AND CONTROL STRUCTURE		17	hou	ırs
Functions – Procedu	ures – Control Structure : If - Switch – Select – For – While ned Data Types – Data Type Conversions - Operators – St) Wh	ile -	
Unit:4 CR	EATING AND USING STANDARD CONTROLS		15	hou	irs

Box, OptionButton, ListBox, ComboBox, PictureBox, ImageControls, ScrollBars—DriveListBox—DirectoryListBox-TimeControl, Frame, Shape and LineControls—ControlArrays—

Creating and Using Standard Controls: Form, Label, Text box, Command Button, Check

Dialog Boxes - Single Document Interface (SDI) – Multiple Document Interface (MDI) – Menus – Menu Editor – Menu Creation.

Unit:5 DATA CONTROLS 18 hours

Data Controls – Data Access Objects (DAO) – Accessing and Manipulating Databases – Recordset – Types of Recordset – Creating a Recordset – Modifying, Deleting Records – Finding Records - Data Report – Data Environment – Report - Designer – Connection Object – Command Object – Section of the Data Report Designer – Data Report Controls.

Unit:6	Contemporary Issues	2 hours
Export locture	os onlina saminars - wahinars	

Expert lectures, online seminars – webinars

Total Lecture hours 90 hours

Text Book(s)

1 Steven Holzner, "VB 6 Programming Black Book", Dream Tech Press, New Delhi, 2002.

Reference Books

N. Krishnan & N. Saravanan, "Visual Basic 6.0 in 30 days", Scitech Publications, (India) Pvt Ltd., Chennai, 2001.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- 1 https://www.youtube.com/watch?v=cwDqjmSmtMQ
- 2 https://www.youtube.com/watch?v=UoT2oava9ns

3

Course Designed By:

Cos	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	S
CO2	S	S	S	M	S
CO3	S	S	S	S	S
CO4	S	S	M	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	Т	P	C
Core XXII	COMPUTER APPLICATIONS: VISUAL BASIC- PRACTICAL III	-	-	4	4
Pre-requisite	Basic Knowledge in Visual basic	Sylla	abus sion	202	21-22

Course Objectives:

The main objectives of the program are:

- 1. To acquire the knowledge on application of Visual basic.
- 2. To apply the concepts of vb in business applications.
- 3. To develop programs using visual basic.

Expected Course Outcomes: On the successful completion of the course, student will be able to: Understand the basic concepts computer applications using Oracle for K2 maintaining the database. Analyse different databases using access application for developing the 2 K4 business transactions Gain the knowledge on creating database using oracle. K2 Remember the application of oracle statements to extract the particular **K**1 Gain the knowledge on developing employees and salary databases 5 K2. using oracle.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

COMPUTER APPLICATIONS PRACTICAL -

IIIVISUAL BASIC

- 1. Design a form with text box to perform the alignment and format function.
- 2. Design a form to display the list of products by declaring array function.
- 3. Design a form to calculate capital budgeting technique by declaring finance function and variable declaration using option button (Radio/Checkbox).
- 4. Design a form to display an advertisement banner using image box control with string function.
- 5. Design a form to compute cost of capital using finance function in visual basic using check box.
- 6. Design a form to perform working capital analysis by declaring finance function using flex grid control.
- 7. Design a form to display Break-even analysis using line and chart controls, by declaring variables. 8. Design a form to present product details like purchases, sales, profit, etc by declaring array functions and present the details in a rich textbox (RTF).
- 9. Design a form to display Product Life Cycle using slider control.
- 10. Design a Pay Slip for an organization and create a data base using SQL and Data

Control. 11. Design the form to display the highlights of the budget using option button and animation.

- 12. Design a supermarket bill to display the sales invoice, and create a database using Data Control, option button, , check box, date picker, etc.
- 13. Design the form to create a bank customer database by declaring simple array and multiple arrays using Data Control.
- 14. Design a form to calculate minimum, maximum, reorder, reorder quantity, EOQ and display the inventory control records using data object.
- 15. Design the form to display tree view and list of folders and files from a directory of an organization.

	Total Lecture hours	60 hours
Course Designed By:		

Cos	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	S
CO2	S	M	S	S	S
CO3	S	S	S	M	S
CO4	S	S	S	S	S
CO5	S	S	M	S	S

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	Т	P	C
Elective	II A	Indirect Taxation	3	-	-	3
Pre-requisite	;	Basic knowledge inIndirecttaxation		abus sion	202	1-22
Course Object The main object		s course are to:				·
1 To acquire	e the basic a	accounting knowledge on principles and concept of a	counti	nσ		

- To acquire the basic accounting knowledge on principles and concept of accounting
- To identify the errors in accounting and to rectify those errors
- 3. To effectively prepare final accounts, bills of exchange, bank reconciliation statements and accounting on joint ventures and consignment
- 4. To gain knowledge about levy and collection of tax.
- 5. To understand about customs law.

Expected Course Outcomes:	
On the successful completion of the course, student will be able to:	
1 Recall the fundamental concepts of indirect taxes.	K1
2 Apply the concepts of GST.	K3
3 Apply the knowledge earned in the filing of returns.	K3
4 Gain knowledge about levy and collection of tax.	K2
5 Understand about customs law.	K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 -	Evaluate; K6 – Create

20 hour Unit:1 **Indirect Tax**

Meaning of Tax and Taxation - Types of Taxes: Direct and Indirect Taxes - Features - Merits and Limitations - Comparison of Direct and Indirect taxes. Constitutional basis of Taxation in India- Methods of levying Indirect Taxes: Advoleram and Specific. Contribution of Indirect taxes to Government Revenues.

Unit:2 **GST & its Concepts**

Good and Services Tax in India - Introduction - Concept of GST - Need for GST - Advantages of GST. Structure of GST in India: Dual Concept – CGST- SGST- UTGST-IGST. Subsuming of Taxes- GST Rate Structure in India, GST Council: Structure and Functions.

Unit:3 **Filing** 17 hours

Levy and Collection under CGST and SGST Acts: Meaning of important terms: Goods. Services, Supplier, Business, Manufacture, Casual Taxable Person, Aggregate Turnover, Input Tax and Output Tax. Taxable Event under GST: Concept of Supply - Time of supply - Value of Taxable supply. Composite and Mixed Supplies.

Input Tax Credit: Meaning - Eligibility and Conditions for availing Input Tax Credit. Reverse Charge Mechanism under GST. Composition Levy: Meaning and Applicability.

Unit:4	Levy and Collection of Tax	15 hour
	· ·	

Levy and Collection under Integrated Goods and Services Tax Act: Meaning of important terms: Integrated tax, Intermediary, Location of the Recipient and Supplier of Services, and Zero-rated Supply. Nature of Supply: Intra-State Supply and Inter-State Supply - Place of Supply of Goods or Services: Meaning and Determination.

Procedures under GST: Procedure for Registration - Persons Liable for Registration - Compulsory Registration and Deemed Registration. E-Way Bill under GST: Meaning and Applicability. Filing of Returns: Types of GST Returns and their Due Dates.

Unit:5	Customs Law	18 hour
T / 1 / /		TF 'CC A 4

Introduction to Customs Laws in India: The Customs Act 1962 - The Customs Tariff Act 1975 - Basic Concepts - Taxable Event - Levy and Exemptions from Customs Duty - Types - Methodsof Valuation-Abatement of Dutyon Damagedor Deteriorated Goods-Customs Duty Draw Back.

Un	it:6	Contemporary Issues	2 hours
Ex	pert lecture:	s, online seminars – webinars	
		Total Lecture hours	90 hours
Te	xt Book(s)		
1	V.S.Datey,	"Indirect Taxes", Taxmann Publications (P) Ltd., New Delhi 2002	2."
(4)			
Re	ference Bo	oks	
1		dran, "Indi <mark>rect Ta</mark> xation", <mark>Sult</mark> an Chand &Co., New Delhi 2006. ta, "Indirect Tax	R.L.Gupta
		Contident or and	
			7
Re	lated Onli	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	7
1	https://w	ww.youtube.com/watch?v=q11JtQorg0A	1
2	https://w	ww.slideshare.net/ra <mark>hulk</mark> apoliya/ <mark>accounting-conc</mark> epts-and-conve	<u>ntion</u>
3		400	

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S		S	S	S
CO3	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course Designed By:

 Provide insight a Deliver a detailed Develop the stud Have better unde Expected Course Ou On the successful co	of this course are to: a idea about supply chain management. bout economies of scale in supply chain. d knowledge on networking the supply chain. ents to know more about network design for supply chain restanding of emerging trends and regulatory mechanisms in	_	gemei		1-22
Course Objectives: The main objectives of the main objective and the main objective and the main objective of the main objectives of the main	of this course are to: a idea about supply chain management. bout economies of scale in supply chain. d knowledge on networking the supply chain. ents to know more about network design for supply chain restanding of emerging trends and regulatory mechanisms in atcomes: mpletion of the course, student will be able to:	Versi manag	gemei	nt	1-2%
1. Conceptualize an 2. Provide insight a 3. Deliver a detailed 4. Develop the stud 5. Have better unde Expected Course Ou On the successful co	idea about supply chain management. bout economies of scale in supply chain. d knowledge on networking the supply chain. ents to know more about network design for supply chain restanding of emerging trends and regulatory mechanisms in tcomes: mpletion of the course, student will be able to:	_	-		
 Conceptualize an Provide insight a Deliver a detailed Develop the stud Have better unde Expected Course Ou On the successful co	idea about supply chain management. bout economies of scale in supply chain. d knowledge on networking the supply chain. ents to know more about network design for supply chain restanding of emerging trends and regulatory mechanisms in tcomes: mpletion of the course, student will be able to:	_	-		
 Provide insight a Deliver a detailed Develop the stud Have better unde Expected Course Ou On the successful co	bout economies of scale in supply chain. d knowledge on networking the supply chain. ents to know more about network design for supply chain r rstanding of emerging trends and regulatory mechanisms in tcomes: mpletion of the course, student will be able to:	_	-		
 3. Deliver a detailed 4. Develop the stud 5. Have better unde Expected Course Ou On the successful co	d knowledge on networking the supply chain. ents to know more about network design for supply chain r rstanding of emerging trends and regulatory mechanisms in tcomes: mpletion of the course, student will be able to:	_	-		
4. Develop the stud5. Have better undeExpected Course OuOn the successful co	ents to know more about network design for supply chain restanding of emerging trends and regulatory mechanisms in tecomes: mpletion of the course, student will be able to:	_	-		
5. Have better unde Expected Course Ou On the successful co	rstanding of emerging trends and regulatory mechanisms in tcomes: mpletion of the course, student will be able to:	_	-		
Expected Course Ou On the successful co	tcomes: mpletion of the course, student will be able to:	supp	ly Clia	um.	—
On the successful co	mpletion of the course, student will be able to:				
On the successful co	mpletion of the course, student will be able to:				
T I NECAH VALIOUS R				K1	
	ous forms of supply and demand in supply chain			K2	
	blications to e-business			K5	
**	ecific network design in certain and uncertain situations			K3	
-				K4 K2	
	erging trends in supply chain and the regulatory mechanism				
KI - Remember; K2	- U <mark>nderstan</mark> d; K3 - Apply; K4 - A <mark>nalyz</mark> e; K5 - Evaluate; F	<u> </u>	create	e	
TT	Carrada Chair Mara ann an	- 1		Λ l	
Unit:1	Supply Chain Management ement – Global Optimisation – importance – key issues – Inve	ontors		0 hou	ırs
	mic lot size model. Supply contracts – centralized vs. decentra			m	
	FF		~) ~		
Unit:2	Supply chain Integrates		18	houi	rs
	ites-Push, Pull strategies — Demand driven strategies — Imp stry — distribution strategies	act o	n gro	cery	
Unit:3	Strategic Alliances			7 hou	ır
	Frame work for strategic alliances – 3PL – merits and deme p – advantages and disadvantages of RSP – distributor Inte			ler	
Unit:4	Procurement and Outsourcing		15	hou	rs
	utsourcing: Outsourcing – benefits and risks – framework forment – frame work of e-procurement	or mal	ke/bu <u>y</u>	y	
Unit:5	Dimension of customer Value		18	houi	rs
	er Value – conformance of requirement – product selection –				
brand – value added s	services – strategic pricing – smart pricing – customer value m	neasur	es		
Unit:6	Contemporary Issues			2 hot	ırs
Expert lectures, onlin	ne seminars – webinars				
<u></u>	Total Lecture hours		9	0 hou	ırs

Те	xt Book(s)
1	Rushton, A., Oxley, J & Croucher, P (2nd Edition, 2000). Handbook of Logistics and Distribution Management. Kogan Page.
2	
3	
Re	ference Books
1	Simchi-Levi, David, Kamisnsky, Philip, and Simchi-Levi, Edith. (2nd Edition, 2004). Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies. Irwin/McGraw Hill 32
2	
Re	elated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.ibm.com/topics/supply-chain-management#:~:text=supply%20chain%20management%3F-,Supply%20chain%20management%20is%20the%20handling%20of%20the%20entire%20production,final%20product%20to%20the%20consumer.
2	https://www.youtube.com/watch?v=Mi1QBxVjZAw
3	
	The state of the s
Co	ourse Designed By:

COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	M	S	S	S	S
CO3	S	S	S	S	S
CO4	S	M	M	S	S
CO5	S	S	S	S	S

^{*}S-Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	T	P	C
Elective – II C		FINANCIAL MARKETS	3	-	-	
Pre-requisite		Basic knowledge in Financial Markets		abus rsion	2021-2	
Course Objectiv				•		
The main objective	ves of thi	s course are to:				
2. To identify th3. To effectively accounting of4. To gain known	ne errors in prepare on joint very ledge ab	ccounting knowledge on principles and concept of a in accounting and to rectify those errors. final accounts, bills of exchange, bank reconciliation entures and consignment. out banks as financial intermediaries. ew methods of financing.		Ü	and	
Expected Course						
		etion of the course, student will be able to:			T7.1	
		tal concepts of financial markets			K1 [4	
2 Analyse the	Analyse the markets for corporate securities.					
3 Analyse the	e significa	ance of secondary markets instruments.		K4		
4 Gain knowl	ledge abo	ut banks as financial intermediaries.		K	2	
5 Understand	about ne	w methods of financing.	b.d	K	[3	
K1 - Remember	; K2 - Un	derstand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	K6 –	Creat	e	
Unit:1		FINANCIAL MARKETS		20-1	nours	
India – Indian C	apital Ma	cture of Financial Markets – Financial Investment – arkets – Difference between Money Market and Cap of Indian Money Markets and Structure of Capital I	oital Ma	arket –		
Unit:2	MA	RKETS FOR CORPORATE SECURITIES		18h	ours	
		curities – New Issue Markets – Functions Issue Me and Functions of Merchant Bankers in India – Und				
Unit:3		SECONDARY MARKETS		17h	ours	
		ck Exchange – Role of Secondary Market – Trading ansactions – Role of SEBI – Regulation of Stock Ex			chang	ge_
Unit:4	BA	NKS AS FINANCIAL INTERMEDIARIES		15h	ours	
Banks as Financ	ial Intern	nediaries – Commercial Banks Role in Financing – ands – Investments Companies.				

Unit:5	18hours			
	f Financing – Leasing as Source of Finance – Forms of leasing –			
	Functions – Venture Capital in India – Factoring – Types – Modu			
	Factoring as Source of Finance - Securitization of assets - I	Mechanics of		
Securitisation	- Utility of Securitization – Securitisation in India,			
TT 1/2	GOVERN (DOD A DAY AGGAING			
Unit:6	CONTEMPORARY ISSUES	2 hours		
Expert lectures,	online seminars – webinars			
	Total Lecture hours	90hours		
Text Book(s)	<u> </u>			
	of Business Finance - R.M. Sri Vatsava			
2 Financial I	Management –Saravanavel			
	Management - L.Y. Pandey			
	Management - S.C. Kuchhal			
Reference Bo	oks			
1 Financial	Management - M.Y. Khan and Jain			
	s of Financial <mark>Management - S.N. Maheshwari</mark>			
3 Financial	Management Theory and Practice - Prasanna Chandra			
	2.E.			
	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1 <u>https://w</u>	ww.youtube.com/watch?v=28HpCMWfc7k&t=1s			
2 https://w	ww.youtub <mark>e.com/</mark> watch?v=UwHk3EK7M3I			
3 https://w	ww.youtube.com/watch?v=C0Ktvoh-oFM	y ·		
	and the same of th			
Course Design	ned By:	14		

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5		
CO1	S	S	S	S	M		
CO2	M	M	S	S	M		
CO3	S	S	S	M	S		

S- Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	T	P	C
Elective – III A		BUSINESS FINANCE	3	† -	-	3
Pre-requisite		Basic knowledge in Business Finance	Syllabus Version 2021			
Course Object						
The main object	ctives of thi	is course are to:				
		s of business finance.				
		financial plans.				
		alization of the financial sources. capital structure.				
		rent sources of finance.				
J. Illiow door	at the differ	cont sources of finance.				
Expected Cou	rse Outcor	mes:				
		etion of the course, student will be able to:				
1 Introduce	e the conce	pts of business finance.		K	.1	
2 Understa	nd about th	e fi <mark>nancial plans.</mark>		K	2	
3 Know ab	out the cap	italization of the financial sources.		K	2	
4 Understa	nd about th	e capital structure.		K2		
5 Know ab	out the diff	erent sources of finance.	w	K2		
K1 - Rememb	oer; K2 - U	nderstand; K3 - Apply; K4 - Analyze; K5 - Evalua	te; K6 –	Creat	e	
Unit:1		BUSINESS FINANCE		1	5 ho	
	nce: Introd	uction – Meaning – Concepts - Scope – Function o	f Financ		.5 110	ш
		Concepts – Contents of Modern Finance Functions.				
Unit:2	0000	FINANCIAL PLAN	A	15 ho	nirc	
Financial Plan		- Concept – Objectives – Types – Steps – Significa	nce –	15 110	Julis	
Fundamentals		Deal a grant some				
Unit:3		CAPITALISATION		15 h	ours	
	- Bases of	Capitalisation – Cost Theory – Earning Theory – C	ver Cap			
-	-	ymptoms – Causes – Remedies – Watered Stock – V	Vatered	Stock	Vs.	
Over Capitalis	sation.					
Unit:4		CAPITAL STRUCTURE		15 h	ours	
		nal Principles of Capital structure – Trading on Equ				
Capital – Con	cept – Impo	ortance – Calculation of Individual and Composite C	Cost of C	Capital	•	
Unit:5		SOURCES AND FORMS OF FINANCE		13 h	ours	
Under Capital	lisation : Sy	Capitalisation — Cost Theory — Earning Theory — Comptoms — Causes — Remedies — Watered Stock er Capitalisation.	ver Cap	italisa	tion -	_

Unit:6	CONTEMPORARY ISSUES	2 hours
Expert lectures,	online seminars – webinars	
	Total Lecture hours	75 hours
Text Book(s)		
1 Essentials	of Business Finance - R.M. Sri Vatsava	
2 Financial I	Management – Saravanavel	
3 Financial I	Management - L.Y. Pandey	
Reference Bo	ooks	
1 Financial	Management - S.C. Kuchhal	
2 Financial	Management - M.Y. Khan and Jain	
Related Onlin	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1 https://w	ww.youtube.com/watch?v=AJiwqgkKSqc	
2 https://w	ww.youtube.com/ <mark>watch?v=ITTtEnuoCWw&list=</mark> PLwml6wWIN	YLHpci2-
	elaWzG9CHY	
3		

Mapping with Program <mark>me Out</mark> comes							
COs	PO1	PO2	PO3	PO4	PO5		
CO1	S	S	S	M	S		
CO2	M	M	S	S	S		
CO3	S	S	S	S	M		
CO4	S	S	S	M	S		
CO5	S	M	S	S	S		

S- Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	T	P	\mathbf{C}
Elective – III 1	В	ENTREPRENEURIAL DEVELOPMENT	3	-	-	3
Pre-requisite		Basic knowledge in Entrepreneurial Development	Syllabus Version 20		202	1-22
Course Object						
The main object	ctives of this	s course are to:				
		trepreneurship.				
		aware the start up process. I service to entrepreneur.				
		on institutional finance to the entrepreneur.				
		ntives and subsidies.				
Expected Cou	rse Outcon	nes:				
On the succes	sful comple	etion of the course, student will be able to:				
1 Conceptu	ialize the Ei	ntrepreneurship.		K	C 1	
2 Make the	Make the students to aware the start up process.				K 2	
3 Know the	e institution	al se <mark>rvice to e</mark> ntrepreneur.		K	(2	
4 Gain the	knowledge	on institutional finance to the entrepreneur.		K	K 2	
5 Know ab	out the ince	ntives and subsidies.		K	(2	
K1 - Rememb	oer; K2 - Ui	n <mark>derstan</mark> d; K3 - <mark>Appl</mark>y; K4 - Ana lyz <mark>e; K5 - Eval</mark> uate; K	6 – Cr	eate		
	MA.		49			
Unit:1		CONCEPT OF ENTREPRENEURSHIP			hou	rs
function and t	ype of entre	hip: Definition Nature and characteristics of entrepren epreneurship phases of EDP. Development of women ecluding self employment of women council scheme.				
TI:4-2		THE CTAPT IN PROCESS		15 1.		
Unit:2	rocess Pro	THE START-UP PROCESS ject identification—selection of the product—project for	mulatio	15 h	ours	
		nalysis, Project Report.		<i>,</i> 11		
Unit:3	INSTI	TUTIONAL SERVICE TO ENTREPRENEUR		15 h	ours	
	ervice to en	trepreneur – DIC, SIDO, NSIC, SISI, SSIC, SIDCO –	ITCOT			
Unit:4		UTIONAL FINANCE TO ENTREPRENEURS	L	15 h	ours	
		trepreneurs : IFCI, SFC, IDBI, ICICI, TIIC, SIDCS, L OBI commercial bank venture capital.	IC and			
Unit:5		INCENTIVES AND SUBSIDIES		13 hc	ours	
		 Subsidied services – subsidy for market. Transport – efit to SSI role of entrepreneur in export promotion and 		-		

Unit:	6	CONTEMPORARY ISSUES	2 hours				
Expert	t lectures,						
		Total Lecture hours	75 hours				
	Book(s)						
		urial Development – C.B.Gupta and N.P.Srinivasan					
2 Fu	ındament	als of Entrepreneurship and Small Business -Renu Arora &S.KI	.Sood				
2 F	-4						
		urial Development – S.S.Khanka					
Refer	rence Bo	0KS					
1 E	Entrepren	eurial Development – P.Saravanavel					
2 E	Entrepren	eurial Development – S.G.Bhanushali					
3 E	Entrepren	eurial Development – Dr.N.Ramu					
		ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
1 <u>1</u>	nttps://wv	ww.youtube.com/watch?v=hBDQGEwAvJ4					
2 <u>h</u>	nttps://wv	ww.youtube.c <mark>om/watch</mark> ?v=vXKoRWAhJVg					
	https://www.youtube.com/watch?v=Z2LGHqBmsU0&list=PL9w1NV68V201XJvF5O7rT1 DhBVK0RCAIN						
•							
Cours	se Desigr	ned By:	X 74				

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5		
CO1	S	S	S	S	S		
CO2	M	M	S	S	S		
CO3	S	S	S	S	S		
CO4	S	S	M	S	S		
CO5	S	M	S	S	S		

S- Strong; M-Medium; L-Low

Course code	-	PROJECT AND VIVA VOCE			T	P	C	
Elective - III C		Major Project			3	-	3	
Pre-requisite		Knowledge in Core, Research Methods and Analytical Tools	Syllabus Version		2021-2			
Course Objectives:								
"	The main objectives of this course are to:							
1. The students will get on-the-job training and experience.								
2. The students will gain knowledge on problem identification and solutions.								
3. The students will gain a complete knowledge on the program and the course outcome.								

Expected Course	e Outcomes:
------------------------	-------------

On the successful completion of the course, student will be able to:

Ont	On the successful completion of the course, student will be able to.			
1	Explain about how to collect literature.	K2		
2	Implement problem identification and will frame tool for collecting data	К3		
3	Evaluate and get practical exposure on the framed objective.	K5		
4	Execute and generate the procedure of compiling the collected data by using analysis	K3,K6		
5	Summarize and execute report writing, and will get complete knowledge of the course.	K2,K3		

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyse; K5 - Evaluate; K6 - Create

Textbook(s)

C.R. Kothari, "Research Methodology Methods and Techniques", Second Edition, New Delhi: New Age International publisher, 2004

Reference Books

- Ranjit Kumar, Research Methodology: A Step-by-Step Guide for Beginners, SAGE Publications, 2014
- 2 Robert B Burns, Introduction to Research Methods, SAGE Publications

Course Designed By: Dr. A. Vimala, Dr. S. Sadhasivam and Dr. C. Dhayanand

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5		
CO1	M	S	M	S	S		
CO2	S	S	S	S	S		
CO3	S	S	S	S	S		
CO4	S	S	S	S	S		
CO5	S	S	S	S	M		

*S-Strong; M-Medium; L-Low

Course	code	TITLE OF THE COURSE	L	T	P	C	
Skill b	ased Subject- 4	CYBER LAW	3	-	-	3	
Pr	e-requisite	Basic Knowledge of Cyber Law	Law Syllabus Version 20		202	021-22	
	e Objectives:		· ·				
The ma	in objectives of the	nis course are to:					
of e	lectronic contracts	vledge on the basic concepts which lead to the formats al aspects of Cyber Security and Evidence Aspects	tion and	execu	ition		
	•	on Information Technology Act and EDI					
Expect	ed Course Outco	omes:					
On the	e successful comp	letion of the course, student will be able to:					
1	Discuss the conce	pts of Cyber law and Cyber Space		ŀ	K1		
2	Describe Cyber So	ecurity technical aspects.		I	ζ2		
3	Explain the Evide	nce Aspects.		ŀ	Κ1		
4	Understand the El	ectroni <mark>c Data Interchange Scenario in India.</mark>		ŀ	Κ2		
5 '	To gain knowledg	ge on Information Technology Act.		I	Κ1		
K1 _ F	Pamambar: K2 I	Jnderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate	o: V 6	Crast	<u> </u>		
171 - 1	\cilicilibci, i\ ∠ - t	Juderstand, N.J ADDIV, N.4 - Analyze, N.J Evaluati	e. No –	Creau	_		
181 - 1	Kemember, K2 - C	Onderstand, K3 - Appry, K4 - Anaryze, K5 - Evaluation	e, N 0 –	Creat			
Unit:		CYBER LAW	e, Ku –		nour	<u> </u>	
Unit:1	Law: Introductio	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Priv		8-1	10urs	S	
Unit:1	Law: Introductio	CYBER LAW		8-1	10urs	S	
Unit:1 Cyber - Com	Law: Introduction	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects.		8-1 tors in	iours		
Unit:1 Cyber - Com	Law: Introduction merce-cyber law	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS	vacy fac	8-l tors in	nours E hour	'S	
Unit:1 Cyber - Com Unit:2 Securi	Law: Introduction merce-cyber law ty Aspects: Introduction ty Aspects: Introduction ty Aspects in the central Property Aspects	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects.	vacy fac	8-1 tors ir 9— ata Se	nours E hour	's y.	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian	Law: Introduction merce-cyber law Law: Introductio	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Signapects: WIPO-GII-ECMS-Indian Copy rights act on seft propriety works.	vacy fac	8-I tors in 9—ata Seriety	nours E hour curity works	's y.	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian Unit:3	Law: Introduction merce-cyber law Law: Introduction merce-cyber law At Aspects: Introduction so Patents act on so	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Sign. pects: WIPO-GII-ECMS-Indian Copy rights act on seft propriety works. EVIDENCE ASPECTS	vacy fac	8-lators in 9—ata Seriety v	hours hour curity works	rs y. S-	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian Unit:3 Evider Evider Crime	Law: Introduction amerce-cyber law Law: Introduction amerce-cyber law Law: Introduction amerce-cyber law Law: Introduction american law introduction amerce-cyber law Law: Introduction american law	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Signapects: WIPO-GII-ECMS-Indian Copy rights act on soft propriety works. EVIDENCE ASPECTS dence as part of the law of procedures —Applicate Records-The Indian Evidence Act1872.Criminal asping Computer Crime-Strategy for prevention of computer Crime-Strategy for prevention of computer Crime-Strategy for prevention of computer Crime-Strategy.	ature-D oft prop	8-lata Seriety v	hours hour curity works ours	rs y. S-	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian Unit:3 Evider Evider Crime	Law: Introduction merce-cyber law Law: Introduction merce-cyber law Law: Introduction merce law Law: Introduction merce law Law: Introduction law Law: Intr	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Signapects: WIPO-GII-ECMS-Indian Copy rights act on soft propriety works. EVIDENCE ASPECTS dence as part of the law of procedures —Applicate Records-The Indian Evidence Act1872.Criminal asping Computer Crime-Strategy for prevention of computer Crime-Strategy for prevention of computer Crime-Strategy for prevention of computer Crime-Strategy.	ature-D oft prop	8-lata Seriety v	hours hour curity works ours law	rs y. S-	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian Unit:3 Evider Crime Amen Unit:4	Law: Introduction merce-cyber law Law: Introduction merce-cyber law Law: Introduction merce law Law: Introduction merce law Law: Introduction law Law: Intr	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Signapects: WIPO-GII-ECMS-Indian Copy rights act on seft propriety works. EVIDENCE ASPECTS dence as part of the law of procedures —Applica Records-The Indian Evidence Act1872.Criminal asping Computer Crime- Strategy for prevention of complemal code 1860.	ature-D oft prop	8-lata Secriety visite mputer ime	hours hour curity works ours law	rs y. S-	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian Unit:3 Evider Evider Crime Amen Unit:4	Law: Introduction amerce-cyber law Law: Introduction amerce-cyber law Law: Introduction amerce-cyber law Law: Introduction amerce law Law: Introduction	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Signates: WIPO-GII-ECMS-Indian Copy rights act on seft propriety works. EVIDENCE ASPECTS dence as part of the law of procedures —Applicates Records-The Indian Evidence Act1872. Criminal aspense Computer Crime- Strategy for prevention of complemal code 1860. GLOBAL TRENDS	ature-D oft prop	8-lata Secriety visite mputer ime	hours hour curity works ours law	rs y. S-	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian Unit:3 Evider Crime Amen Unit:4	Law: Introduction amerce-cyber law Law: Introduction amerce-cyber law Law: Introduction amerce and amerce an	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Signates: WIPO-GII-ECMS-Indian Copy rights act on seft propriety works. EVIDENCE ASPECTS dence as part of the law of procedures —Applicates Records-The Indian Evidence Act1872. Criminal aspense Computer Crime- Strategy for prevention of compensal code 1860. GLOBAL TRENDS Tame work for Electronic Data Interchange: EDI Mechange Scenario in India	ature-D oft prop bility of ect: Corputer cri hanism-	8-lata Seriety v 8—lata Seriety v 7—lata Seriety v	hours curity works law r	rs y. S-	
Unit:1 Cyber - Com Unit:2 Securi Intelle Indian Unit:3 Evider Evider Crime Amen Unit:4 Globa Electro Unit:5	Law: Introduction merce-cyber law Law: Introduction merce-cyber law Law: Introduction merce-cyber law Law: Introduction law Law: Intr	CYBER LAW n- Concept of Cyberspace-E-Commerce in India-Privin E-Commerce-Contract Aspects. SECURITY ASPECTS duction-Technical aspects of Encryption-Digital Signapects: WIPO-GII-ECMS-Indian Copy rights act on seft propriety works. EVIDENCE ASPECTS dence as part of the law of procedures —Applica Records-The Indian Evidence Act1872.Criminal aspeng Computer Crime- Strategy for prevention of compensal code 1860. GLOBAL TRENDS Tame work for Electronic Data Interchange: EDI Median Evidence and EDI Median EDI Median Evidence and EDI Median Evidence and EDI Median Evidence and EDI Median EDI	ature-D oft prop bility of ect: Corputer cri hanism-	8-lata Secriety visite mputer ime	hours curity works law r	rs y. S-	

Unit:6	CONTEMPORARY ISSUES	2 hours				
Expert lectures,	Expert lectures, online seminars – webinars					
	Total Lecture hours	45—hours				
Text Book(s)	<u>'</u>					
1 The Indian	Cyber Law: Suresh T.Viswanathan, Bharat Law House, New Do	elhi				
Related Onli	Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
1 https://w	1 https://www.youtube.com/watch?v=KtuCsBlJXk8					
2 https://www.youtube.com/watch?v=6srnawS4PLQ&list=PLX0Im12KwTwlm-						
jOWfFqejg8go7JBj72J						
3 https://www.youtube.com/watch?v=SCgc55vtd6M						
3 Intps://www.youtube.com/watch:v=Segc33vtdotvi						
Course Design	ned By: Mrs.S.Sathiyavani sathiyavanis@skacas.ac.in					

Mappi <mark>ng with Programme Outcome</mark> s							
COs	PO1	PO2	PO3	PO4	PO5		
CO1	S	S	M	M	M		
CO2	M	M	M	M	M		
CO3	S	S	M	M	S		
CO4	S	M	M	M	S		
CO5	S	M	S	S	S		

^{*} S- Strong; M-Medium; L-Low