

B. Com. Information Technology

Syllabus



Apprenticeship Embedded Degree Program

2026 – 2027 onwards

**PUNYASHLOK AHILYADEVI
HOLKAR SOLAPUR UNIVERSITY,
SOLAPUR**

Program Educational Objectives (PEOs)	
The B.COM IT program describes the accomplishments that graduates are expected to attain within five to seven years after graduation	
PEO1	Students will be able to understand the concepts of Commerce.
PEO2	Programme aims to develop comprehensive professional skills which are required for Commerce graduates.
PEO3	Students will acquire necessary skills to work in computerized accounting regime
PEO4	Students will be able to get trained in relevant computerized accounting packages
PEO5	Students can do commerce with necessary IT Skills towards research and consequence of this, they can become Professors in Colleges or become highly valued Industrial Experts in Digital Accounting

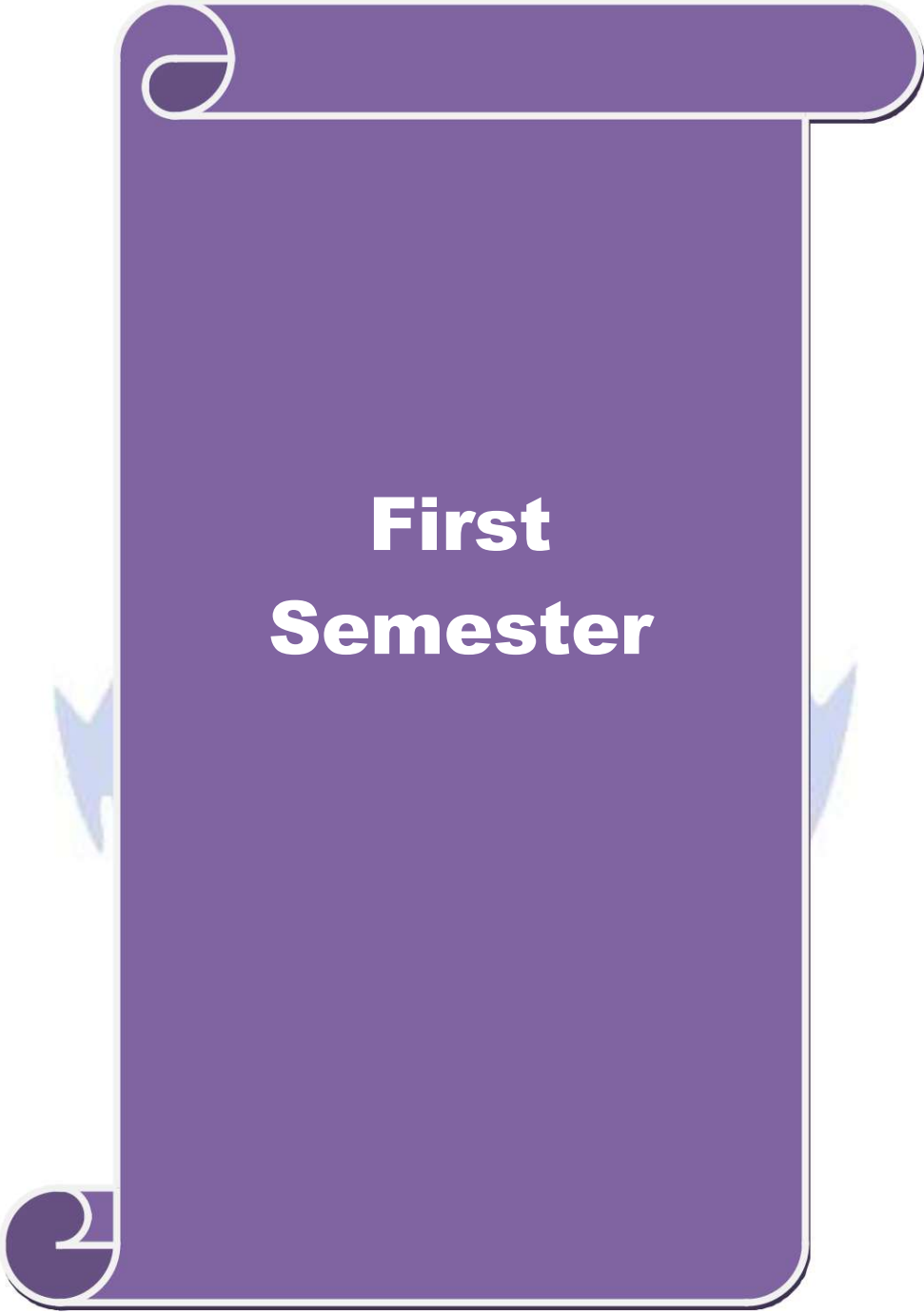
Program Specific Outcomes (PSOs)	
After the successful completion of B.COM IT program, the students are expected to	
PSO1	To replicate the concepts, principles and theories in the field of Commerce, Accounting, Finance, Law and Taxation with necessary IT Skills which promote the growth of their professional career and entrepreneurship.
PSO2	To infuse skills relating to computerized accounting packages to enable students in better career placements.
PSO3	Nurture the students in intellectual, personal, interpersonal and social skills with a focus on relevant professional career particularly, to maximize professional growth.
PSO4	Empower the students with necessary IT-based accounting skills for prospective employment across many industries.
PSO5	Strengthen the students to become expert in the field of Information technology with ethical consciousness.

Program Outcomes (POs)	
On successful completion of the B.COM IT program	
PO1	Develop a broad range of knowledge in the computerized accounting field based on various accounting concepts and practices
PO2	Build a strong foundation in the areas of accounting, banking, tax, programming and computerized accounting packages
PO3	Nurture the students in intellectual, personal, interpersonal and societal skills with a focus on relevant professional career to maximize professional growth.
PO4	Empower students with necessary programming and computer skills for better and advanced career opportunities aiming with focus on accounting and for all Commercial activities
PO5	Train and develop students in information technology sector with great orientation on ethical aspects, security system and quality.

PAH SOLAPUR UNIVERSITY, SOLAPUR
Bachelor of Commerce (Information Technology) Curriculum

Course Code	Title of the Course	Credits	Hours		Maximum Marks		
			Theory	Practical	CA	UA	Total
FIRST SEMESTER							
1	Language-I	2	2	-	20	30	50
2	English-I	2	2	-	20	30	50
3	Core I – Principles of Accounting	4	4	-	40	60	100
4	Core II – Information Technology	4	2	2	40	60	100
5	Allied Paper I : Business Mathematics	4	2	2	40	60	100
6	Core III -Computer Applications: MS Office :Practical-I	4	2	2	40	60	100
7	Indian Constitution and Democracy	2	2	-	20	30	50
TOTAL		22	16	6	220	330	550
SECOND SEMESTER							
1	Language-II	2	2	-	20	30	50
2	English-II	2	2	-	20	30	50
3	Core IV– Financial Accounting	4	4	-	40	60	100
4	Core V – Computer Applications: Tally – Practical I	4	2	2	40	60	100
	Allied Paper II : Statistics for Business	4	2	2	40	60	100
	Language Proficiency for Employability	4	2	2	40	60	100
	Environmental Science	2	2	-	20	30	50
Total		22	16	6	220	330	550
THIRD SEMESTER							
I	Language-III	2	2	-	20	30	50
III	English – III	2	2	-	20	30	50
III	Core VI– Higher Financial Accounting	4	4	-	40	60	100
III	Core VII – Programming with C++	4	2	2	40	60	100
III	Allied: III - Managerial Economics	4	2	2	40	60	100
IV	Skill based Subject-1 : Marketing Management	4	2	2	40	60	100

IV	Tamil @ /Advanced Tamil # (OR) Non-major Elective-I : Yoga for Human Excellence #/ Women's Rights # Constitution of India#	2	2	-	40	60	100
Total		22	16	6	220	330	550
FOURTH SEMESTER							
I	Language-IV	2	2	-	20	30	50
III	English – IV	2	2	-	20	30	50
III	Core VIII– Corporate Accountings	4	4	-	40	60	100
III	Core IX – Software Development in VB (Practical)	4	2	2	40	60	100
III	Core X- Banking Theory	4	4	-	40	60	100
III	Allied : IV - Principles of Management	4	2	-	20	30	50
IV	Skill based Subject-2 :: E-Business	2	2	-	20	30	50
Total		22	20	2	220	330	550
FIFTH SEMESTER							
III	Core XI – Software Engineering	2	2	0	20	30	50
III	Core XII – Management Information System	2	2	0	20	30	50
III	Core XIII– Technology Management	4	2	2	40	60	100
III	Core XIV – Principles of Web Designing	4	2	2	40	60	100
III	Core XV: Computer Applications: Web Designing - Practical III	4	2	2	40	60	100
III	Elective –I: Cost Accounting	4	2	2	40	60	100
IV	Skill based Subject- 3 : Insurance and Risk Management	2	2	0	20	30	50
Total		22	20	2	220	330	550
SIXTH SEMESTER							
III	Apprenticeship and Project Writing	22	11	11	220	330	550



First Semester

Course code		TITLE OF THE COURSE	L	T	P	C
Core –I		Principles of Accounting	4	-	-	4
Pre-requisite		Basic knowledge in accountancy	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To enable the students to learn basic Principles of Accountancy.
2. To make the students skillfully to prepare and present the final accounts of sole trader.
3. To learn about various types of errors and depreciation in accounts.
4. To understand about bank reconciliation statement and accounting for professionals
5. To provide knowledge about consignment and joint ventures

Expected Course Outcomes:

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

1	Recall Accounting Concepts and Conventions and use Accounting rules to record business transactions in Journal, Ledger and prepare Trial Balance.	K1
2	Understanding the preparation Subsidiary Journals including Three Column Cash book and prepare a Bank Reconciliation Statement.	K2
3	Applying different type of expenditure & incomes and reserves and provisions.	K3
4	Understanding the conceptual skills to prepare and present the financial statements of a business with knowledge of depreciation.	K2
5	Remembering the bank reconciliation statement and accounting for professionals	K1

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

Unit:1	INTRODUCTION	15--hours
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Fundamentals of Book Keeping – Accounting Concepts and Conventions – Journal – Ledger – Subsidiary books – Trial balance– Preparation of bank reconciliation statement – Errors and their rectification.

Unit:2	FINAL ACCOUNTS	10--hours
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Apportionment of capital and revenue expenditure – Significance and methods of Inventory valuation – Final accounts of sole trader with adjustments

Unit:3	BILL OF EXCHANGE	10--hours
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Bill of exchange- Accommodation bills – Average due date – Account current

Unit:4	CONSIGNMENTS AND JOINT VENTURES	15--hours
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Accounting for consignments and Joint ventures

Unit:5	ACCOUNTS OF NONPROFIT ORGANISATION	8--hours
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Accounts of nonprofit organizations-receipts and payments and income and expenditure

accounts and balance sheet; accounts of professionals		
Note: Problems : Theory 80:20		
Unit:6	Contemporary Issues	2 hours
Expert lectures, online seminars - webinars		
	Total Lecture hours	60--hours
Text Book(s)		
1 N.Vinayakam, P.L.Mani, K.L.Nagarajan – Principles of Accountancy		
2 T.S.Grewal – Introduction to Accountancy- S.Chand& Company Ltd.,		
3 R.L.Gupta, V.K.Gupta, M.C.Shukla – Financial Accounting – Sultanchand& sons		
Reference Books		
1 K.L.Narang, S.N.Maheswari - Advanced Accountancy-Kalyani publishers		
2 A.Murthy -Financial Accounting – Margham Publishers		
3 A.Mukherjee, M.Hanif – Modern Accountancy. Vol.1- Tata McGraw Hill Companie		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1		
2		
4		
Course Designed By:		

Mapping with programme outcomes					
	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	M	S	S	M
CO3	S	M	M	S	M
CO4	S	S	S	S	M
CO5	S	M	L	M	L

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

Course code		TITLE OF THE COURSE	L	T	P	C
Core II		Information Technology	4	-	-	4
Pre-requisite		Basic knowledge in IT	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand the importance of managing information in the modern era
2. To provide insight about various forms of computing and application development
3. To provide knowledge about various communication technologies
4. To introduce various IT based applications among students
5. To acquaint students with IT related trends and ethical constraints of information technology

Expected Course Outcomes:

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

1	Understanding the importance of internet-based systems in business organizations	K1
2	Understanding various forms of computing such as mobile computing, grid computing etc	K1
3	Applying various communication technologies at domestic and global level	K3
4	Remembering various emerging trends in IT applications	K2
5	Understanding the ethical issues and implementing security controls and quality checks	K2

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

Unit:1

INTRODUCTION

15--hours

Introduction: Managing in Information Age. Evolution of IT Management – Types of Information Systems – Internet Based Business Systems – Value Chain Reconstruction for EBusiness – IT Management Challenges and issues – Critical success Factors for IT Managers.

Unit:2

HARDWARE, SOFTWARE AND COMMUNICATION

10--hours

Hardware Software And Communication: Computing Hierarchy – Input – Output Technologies – Hardware Issues – System Architecture – Operating Systems – Network Operating Systems – Grid Computing – Mobile Computing – Ubiquitous Computing – Application Programming – Managing Application Development – Data Resources – Managing Data Resources – Problem of Change and Recovery.

Unit:3

COMMUNICATION TECHNOLOGY

10--hours

Communication Technology: Communication Technology – WWW – Intranets – Extranets – Voice Networks Data Communication Networks – Last Mile – Wireless System – Web Hosting – Application Service Providers.

Unit:4

INFORMATION TECHNOLOGY

15--hours

IT Applications: Enterprise Resource Planning – Enterprise System – Expert System – Decision Support System – Neural Networks – Executive Information System – Customer Relationship Management System – Supply Chain Management Systems – Knowledge Management – Data

Warehousing – Data Mining – Virtual Reality – E-Business and Alternatives. E-Business Expectations and Customer Satisfaction.

Unit:5 IT MANAGEMENT 8--hours

IT Management: IT Strategy Statements – Planning Models for IT Managers Legislation and Industry Trends. Independent Operations – Headquarters Driver – Intellectual Synergy – Integrated Global IT – IT investment – Estimating Returns – IT Value Equation – Pricing Framework – Hardware and Software Buying – Factors of IT Management – Implementation Control – Security – Quality - Ethical Issues – Chief Information Officer.

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

Total Lecture hours 60--hours

Text Book(s)

- 1 Garroll W. FrenzelJohne. Frenzel, Management of Information Technology, Thomson Course Technology, Boston, 2004. 2. Henry C. Lucas. Jr, Information Technology – Strategic Decision Making for Managers, John Wiley & Sons (Asia) Pvt. Ltd., Singapore, 2005.

Reference Books

- 1 Efraim Turban, R. Kelly Rainer Jr, Richard E. Potter, Introduction to Information Technology, John Wiley & Sons, (Asia) Pvt. Ltd. Singapore, 2004.

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

- 1
- 2
- 4

Course Designed By:

Mapping withProgram outcomes

	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	S	S
CO2	S	M	S	S	M
CO3	S	S	S	M	S
CO4	S	S	M	M	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	BUSINESS MATHEMATICS	4	-	-	4
Pre-requisite	Basics Knowledge On Business Mathematics	Syllabus Version		2022 - 23	

Course Objectives:

The main objectives of this course are to:

1. Understand and apply basics of applications of mathematics in business
2. Make the students to be ready for calculating various interest rates
3. Provide an insight knowledge about Derivatives
4. Make the students to be ready for solving business problems using mathematical operations.
5. Analyze the linear programming problem by using graphical solution.

Expected Course Outcomes:

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

1	Understand the financial functions of business mathematics	K2
2	Know the calculation of interest rates.	K1
3	Aware of Derivative markets and its calculation.	K2
4	Know the basic concepts of addition and multiplication analysis.	K2
5	Analyze the linear programming problem by using graphical solution	K4

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

Unit:1	PROFIT AND LOSS	14 hours
Profit and Loss - Cost Price, Selling Price, Marked price, Loss, Trade discount and Cash discount, Commission, Brokerage, Problems on these topics		

Unit:2	INTEREST RATES	15 hours
Interest - Concept of present value, Simple and Compound interest, Amount at the end of period, Equated Monthly Installment (EMI) by reducing and flat interest system, problems..		

Unit:3	DERIVATIVES	15 hours
Bond Valuation - Shares - Concept of share, Stock Exchange, Face value, Market Value, Dividend, Equity shares, Preferential shares, Bonus shares, Examples.		

Unit:4	MATRIX	14 hours
Matrices and Determinants - Definition of a Matrix, Types of Matrix, Finding inverse of a matrix by Adjoint method. Solution of a system of linear equations having unique solution and involving not more than three variables problems		

Unit:5	LINEAR PROGRAMMING PROBLEM	14 hours
Linear Programming Problems - Graph of 10 linear equation, Graph of linear inequality, Formulation of LPP, Solution by Graphical method, Problems relating to two variables		

Unit:6	CONTEMPORARY ISSUES	3 hours
Expert lectures, online seminars - webinars		

	Total Lecture hours	75hours
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TextBook(s)

- 1 Navanitham, P.A, "Business Mathematics & Statistics" Jai Publishers, Trichy-21
- 2 Sundaresan and Jayaseelan, "Introduction to Business Mathematics", Sultanchand Co & Ltd, New Delhi
- 3 Sanchetti, D.C and Kapoor, V.K, "Business Mathematics", Sultanchand Co & Ltd, New Delhi

Reference Books

- 1 G.K. Ranganath, C.S. Sampamgiram & Y. Rajan - A Text book Business Mathematics - Himalaya Publishing House.

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

- 1 <https://www.youtube.com/watch?v=qO1SYFZVmhY>
- 2 <https://www.youtube.com/watch?v=LadYhkiVC7Q&list=PLRYPMG3pkUJuucxOLmnRC-Lj3PmzVmKCD>
- 3 <https://www.youtube.com/watch?v=qO1SYFZVmhY&list=PLX2gX-ftPVXUYjs2g3YiaY0sEfwW-jg5L>

Course Designed By:

Mapping with Program outcomes

	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	M
CO2	S	S	S	M	S
CO3	S	M	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	T	P	C
Core IV		Computer Applications: MS OFFICE PRACTICAL I	-	-	4	4
Pre-requisite		Basic knowledge in Computer	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To familiarize with working in MS-WORD
2. To understand the working in MS-EXCEL
3. To understand the working in MS-POWERPOINT

Expected Course Outcomes:

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

1	Recall various techniques of working in MS-WORD	K1
2	Creating appropriate personal bio data	K6
3	Analyzing financial data using EXCEL tools	K3
4	Understanding various tools used in MS-EXCEL	K2
5	Creating presentations for seminars and lectures using animations	K6

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

Unit:1

MS-WORD

20--hours

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.

Unit:2

MS-EXCEL

20--hours

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 customer's accounts showing simple and compound interest

calculations for 10 different customers using mathematical and logical functions.

5. Prepare a Product Life Cycle which should contain the following stages:

Introduction, Growth, Maturity, Saturation, and Decline.

Unit:3

MS POWERPOINT

20--hours

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 custom mode.

4. Design presentation slides about an organization and perform frame movement by interesting clip arts to illustrate running of an image automatically.

6. Design presentation slides for the Seminar/Lecture Presentation using animation

	Total Lecture hours	60--hours
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Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

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

2 https://www.youtube.com/watch?v=RdTzKPY_OQ

3 <https://www.youtube.com/watch?v=x5wYAJ3qzC0>

Course Designed By:

Mapping with programme outcomes

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

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

**Second
Semester**

2

Course code		TITLE OF THE COURSE	L	T	P	C
Core III		Financial Accounting	4	-	-	4
Pre-requisite		Basic knowledge in accounting	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To explore various methods of calculating and recording depreciation
2. To provide understanding about royalties and investment accounts
3. To offer an idea about single entry system of accounts
4. To promote knowledge about department and branch accounting
5. To facilitate knowledge about hire purchase and installment system of accounting

Expected Course Outcomes:

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

1	Remembering various methods of depreciation accounting in the books of accounts	K1
2	Understanding the various techniques of royalties and investment accounts	K2
3	Summarizing single entry method of account keeping	K2
4	Remembering about the accounting practices of departments and branches	K1
5	Understanding books of accounts relating to Hire purchase and installment system	K2

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

Unit:1	DEPRECIATION	23—hours
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Accounting for Depreciation –need for and significance of depreciation, methods of providing depreciation- Reserves and Provision.

Unit:2	SELF-BALANCING LEDGERS AND INVESTMENT ACCOUNTS	20—hours
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Self-Balancing Ledgers-meaning and advantages-Accounting aspects-transfers-investment accounts

Unit:3	SINGLE ENTRY SYSTEM	20—hours
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Single Entry system-meaning and features-Statement of affairs method and Conversion method

Unit:4	DEPARTMENTAL AND BRANCH ACCOUNTS	20—hours
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Departmental accounts – transfers at cost or selling price –Branch excluding foreign branches

Unit:5	HIRE PURCHASE AND INSTALMENT SYSTEMS	20—hours
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Hire purchase and instalment systems including Hire Purchasing Trading account- Goods on sale or Return

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

		Total Lecture hours	105—hours
Text Book(s)			
1	Advanced Accountancy - R.L.Gupta&M.Radhasamy		
2	Advanced Accountancy - S.P.Jain&K.L.Narang		
Reference Books			
1	Advanced Accountancy - M.C.Shukla&T.S.Grewal		
2	Finanacial Accounting - T.S.Reddy&A.Murthy		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1			
2			
4			
Course Designed By:			

Mapping with programme outcomes					
	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	M	S	S	M
CO3	S	M	M	S	M
CO4	S	S	S	S	M
CO5	S	M	L	M	L

*S- Strong,

Course code		TITLE OF THE COURSE	L	T	P	C
Core-IV		Computer Applications: Tally - Practical I		-	4	4
Pre-requisite		Basic knowledge in Computer	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To provide practical knowledge in working with MS-ACCESS
2. To understand the basics of working in Tally accounting package
3. To provide insights about the usefulness of internet in business purpose

Expected Course Outcomes:

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

1	Understanding the basics of working in MS-ACCESS using various tools	K2
2	Remembering the format personal bio data using MS ACCESS tools	K1
3	Understanding the usage of computerized packages for business transactions	K2
4	Applying the techniques of inventory management using Computer packages	K3
5	Understanding the usage of internet for business purposes and communications	K2

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

Unit:1

MS-ACCESS

30--hours

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 at least three Table must have at least 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 design view.
4. Create forms for the simple table ASSETS.
5. Create report for the PRODUCT database.

Unit:2

TALLY

30--hours

1. Create a new company, group, voucher and ledger and record minimum 10 transactions and display the relevant results.
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 Average Method
4. Create an e-mail id and check the mailbox.
5. Learn how to use search engines and visit yahoo com, rediff.com, hotmail.com and google.com
6. Visit your University and college websites and collect the relevant data

	Total Lecture hours	60—hours
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.youtube.com/watch?v=BUE-XJEHp7g	
2	https://www.youtube.com/watch?v=0s4mKbkYJPU&t=1s	
3	https://www.youtube.com/watch?v=Dxcc6ycZ73M	
Course Designed By:		

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

*S- Strong,

Course code		TITLE OF THE COURSE	L	T	P	C
ALLIED II		BUSINESS STATISTICS	4			4
Pre-requisite		Basic Knowledge of Statistics	Syllabus Version			2021-22

Course Objectives:

The main objectives of this course are to:

- To enrich the knowledge in statistics and to solve the statistical problems in analysis of business problems.
- To be familiar with data collection, graphical presentation and classification of tables.
- To inculcate the knowledge of relationship between measures of variation and value deviation.

Expected Course Outcomes:

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

1	Produce appropriate graphical and numerical descriptive statistics for different types of data.	K1
2	Apply statistical concepts to analyze the business problems.	K2
3	Explain the concepts of average and range of data collection.	K2
4	Examine the relationship between the variations.	K4
5	Examine the Correlation and Regression.	K2

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

UNIT – I		Hours – 12
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Population and Samples - Definition of Statistics, scope of statistics in Industry, Economics, Management Sciences and Social Sciences, Population, Sample SRSWR, SRSWOR, Stratified Sampling (description of Sampling Procedures only)

UNIT – II		Hours – 12
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Data Concession and Representation of Raw data, Attributes, Variables, Classification, Frequency curve and Ogive curves, Diagrams - Bar and Sub divided diagram, Pie chart.

UNIT – III		Hours – 12
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Measures of Central tendency – Different methods of calculation of Mean, Median, Mode, Geometric Mean and Harmonic Mean – Empirical Relation.

UNIT - IV		Hours – 12
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Measures of Dispersion - Absolute and 10 relative measures of dispersion, Range, Coeff. Of range Variance, S. D., Combined SD for two groups only, C. V.

UNIT - V		Hours – 12
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Correlation and Regression - Correlation, types of correlation, Scatter diagram, Corr. Coefficient, regression, lines of regression (Statements only)

Reference Books	
1	Statistical Methods - S. P. Gupta
2	Fundamentals of Statistics - S. C. Gupta and V. K. Kapoor.
3	Statistics (Theory Methods and Applications) - Sancheti and Kapoor.
4	Quantitative Techniques in Business - Dr. A. B. Rao
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	
2	
4	
Course Designed By:	

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

*S- Strong,

**Third
Semester**

Course code		TITLE OF THE COURSE	L	T	P	C
Core VI		Higher Financial Accounting	6	-	-	4
Pre-requisite		Basic knowledge in accounting	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To provide insight about maintaining partnership accounts
2. To promote understanding about the insolvency regime
3. To offer understanding about insurance claim settlement
4. To facilitate knowledge about royalties and voyage accounts
5. To promote knowledge about insolvency accounts

Expected Course Outcomes:

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

1	Understand the procedures for maintaining partnership accounts	K2
2	Remembering the books of accounts at the time of insolvency	K1
3	Comparing various insurance settlement and claim procedures	K2
4	Applying the procedures for royalty and voyage accounts	K4
5	Summarizing the concepts of insolvency accounts of individuals and firms	K2

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

Unit:1	ADMISSION AND RETIREMENT OF PARTNER	18—hours
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Partnership Accounts – Division of fixed and fluctuating capitals – past adjustments-guarantee of profits – admission and retirements – death of partner.

Unit:2	INSOLVENCY OF PARTNER	18—hours
Insolvency of partner – Rule in Garner Vs Murray – piecemeal distribution		

Unit:3	INSURANCE CLAIMS	18—hours
Insurance claims – claims for loss of stock and loss of profits.		

Unit:4	ROYALTIES AND VOYAGE ACCOUNTS	18—hours
Royalties -Voyage accounts		

Unit:5	INSOLVENCY ACCOUNTS	16—hours
Insolvency Accounts – Statement of affairs and deficiency accounts – Insolvency of individuals and partnership		

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

Total Lecture hours

90--hours

Text Book(s)

- 1 S.P. Jain & K.L. Narang, “Advanced Accounting”, Kalyani Publications, New Delhi.
- 2 Reddy & Murthy, “Financial Accounting”, Margham Publications, Chennai, 2004.
- 3 Dr. M. A. Arulanandam, Dr. K.S. Raman, “Advanced Accountancy Part-I”, Himalaya Publication, New Delhi.

Reference Books

- 1 Gupta R.L. & Radhaswamy M., “Corporate Accounts”, Theory Method and Application - 13th Revised Edition 2006, Sultan Chand & Co., New Delhi.
- 2 Shukla M.C., Grewal T.S. & Gupta S.L., “Advanced Accountancy”, S. Chand & Co., New Delhi.

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

- 1
- 2

Course Designed By:

Mapping with programme outcomes

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

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

Course code		TITLE OF THE COURSE	L	T	P	C
Core VII		Programming with C++	5	-	-	3
Pre-requisite		Basic knowledge in programming	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand about object-oriented languages and their applications
2. To introduce basic concepts of C++ language
3. To provide knowledge about various conversions
4. To provide insights about various inheritance system
5. To understand about files and exception handling

Expected Course Outcomes:

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

1	Recalling various concepts relating to languages and applications	K1
2	Understanding various concepts of C++ languages	K2
3	Applying various conversions	K3
4	Analyzing different types of inheritance system	K4
5	Understanding working bout files and exception handling	K2

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

Unit:1	INTRODUCTION TO C++	15--hours
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Object oriented programming: Software Evolution – OOP paradigm – Concepts, benefits, Object Oriented Languages and Applications

Unit:2	APPLICATION OF C++	15--hours
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Introduction to the Basic concepts of C++ language – Tokens, Keywords, Identifiers, Data types, variables, manipulators – Expression and control structures – Functions: main functions – functions prototyping – Call by Reference – Function overloading – friend and inline functions

Unit:3	CONSTRUCTIONS AND OVERLOADING	15--hours
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Classes and object – Constructors and Destructors – Operator overloading – Type conversions

Unit:4	INHERITANCE	15--hours
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Inheritance – Single Inheritance – Multiple Inheritance – Hierarchical, Hybrid Inheritance – polymorphism – pointers – virtual functions – console I/O operations.

Unit:5	FILE OPERATIONS IN C++	13--hours
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Files – Classes for file stream Operations – opening, closing and processing files – End of fileDetection – File pointers – Updating a file – Error Handling during file Operations – Commandline Arguments – Templates – Exception Handling.

Unit:6 | **Contemporary Issues**
Expert lectures, online seminars - webinars

2 hours

Total Lecture hours

75--hours

Text Book(s)

- 1 “Object oriented Programming in C++” – Robert Lafore, Galgotia, 1994
- 2 C++ -The Complete Reference: Herbert Schilt,3rd Edition, Tata McGraw Hill, Pub–Ltd,1999
- 3

Reference Books

- 1 “Let us C++” – Yeswant Kanetkar – BPB Publications, 1999
- 2 Programming with C++ - John R. Hubbard – Schaum’s outline series, 1996

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

- 1 https://cppinstitute.org/free-c-and-c-courses?gclid=EAIaIQobChMI8MHN3bn56wIVBwRgCh3EcQaYEAAYASAAEgKRVPD_BwE
- 2 <https://beginnersbook.com/2017/08/c-plus-plus-tutorial-for-beginners/>

Course Designed By:

Mapping with programme outcomes

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

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

Course code		TITLE OF THE COURSE	L	T	P	C
ALLIED PAPER III		MANAGERIAL ECONOMICS	4	-	-	4
Pre-requisite		Basic knowledge on Managerial Economics	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. Impart the knowledge of students on economics and its theories.
2. Understand the different types of markets in the current scenario.
3. Make the students to understand the demand analysis for the different types of products.
4. Analyze the markets for achieving business enterprise goal.
5. Analyze the causes and consequences of different market conditions.

Expected Course Outcomes:

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

1	Familiarize the students with the basic concept of managerial economics	K2
2	Make student understand the demand and supply analysis in business applications	K2
3	Apply marginal analysis to the firm under different market conditions.	K3
4	Analyze the causes and consequences of different market conditions.	K4
5	Familiarize the students with the basic concept of managerial economics	K2

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

Unit:1	MANAGERIAL ECONOMICS	15 hours
Managerial Economics – Meaning and Definition – Nature and Scope – Economic Theory – Divisions – Goals of a firm		
Unit:2	DEMAND ANALYSIS	15 hours
Demand Analysis – Meaning, Determinants of Demand – Law of Demand, Elasticity of Demand– Price, Income and Cross Demand– Demand Estimation and Demand Forecasting– Demand Distinctions.		
Unit:3	PRODUCTION FUNCTION	15 hours
Production Function – Meaning and Definition – Elasticity of Substitution and Production – Type of cost of Production – Long run and Short run cost.		
Unit:4	MARKETS	15 hours
Markets – Forms of Market – Characteristics - Pricing Methods – Objects of pricing policies – Practices – Government intervention in Market.		
Unit:5	PRICE THEORY	13 hours
Price Theory – Perfect Competition, Monopoly, Monopolistic competition, Monopsony, Duopoly, Duopsony and Oligopoly.		

Unit:6	CONTEMPORARY ISSUES	2 hours
Expert lectures, online seminars – webinars		

Total Lecture hours 75 hours

Text Book(s)

- 1 R.L.Varshney and K.L.Maheshwari----Managerial Economics----- Sulthan Chand and Sons
- 2 Alak Gosh and Biswanath Gosh----Managerial Economics ----- Kalyani Publications

Reference Books

- 1 D.Gopalakrishna----Managerial Economics ---- Himalaya Publishing House
- 2 S.Sankaran----Managerial Economics ----- Margham Publications

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

- 1 <https://www.youtube.com/watch?v=ycyMktNFZ88&list=PLPjSqITyvDeV84Qiruw4xVWGQPTctrlhg>
- 2 <https://www.youtube.com/watch?v=Q8RaIfn4-Cw>
- 3 <https://www.youtube.com/watch?v=n47SQ64MhYw&list=PLJumA3phskPFwp2XXInxCWpv28nPMimDU>

Course Designed By:

Mapping with Programme Outcomes

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

S- Strong; M-Medium; L-Low

Course code		Marketing Management	L	T	P	C
Skill based subject - I		Basic knowledge in marketing concepts	3	-	-	2
Pre-requisite			Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are:

1. To learn the modern views of marketing
2. To have an understanding about product life cycle
3. To have an idea about pricing policies
4. To learn about channels of distribution
5. To have an understanding about the techniques of sales promotion

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

1	Label the modern views on marketing	K1
2	Understand the concept of product life cycle	K2
3	Apply different pricing techniques for different products	K3
4	Understand the channels of distribution	K2
5	Learn the techniques of sales promotion	K2

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

Unit:1	Evaluation of marketing	10--hours
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Evaluation of marketing –Modern views on marketing –concepts- product concept –selling concepts-marketing concept-societal concepts- market planning process- marketing objective-marketing strategy-functions of marketing management

Unit:2	Product decision	8--hours
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Product decision –product meaning and role – product mix decision – production positioning- branding and packaging –product life cycle –marketing strategies for introduction –growth maturity and declining stages –new product development process –meaning of new product – need for developing a new product –various stages in new product development process.

Unit:3	Pricing decision	8--hours
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Pricing decision – meaning and role of pricing – pricing objectives – pricing method – product line pricing – pricing strategy for different stages in the life cycle of a product – skimming pricing strategy – penetration pricing strategy merits and demerits

Unit:4	Channel decision	9--hours
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Channel decision – role of distribution channel – classification of channel and intermediaries- changes in channel of distribution – intensive, extensive and selection distribution – factors governing choice of channel- selection of channel for new product or new company.

Unit:5	Promotional decision	8--hours
Promotional decision – promotional mix –advertising – meaning and role of advertising – management of advertising – personal selling – importance – status of personal selling in India- management of sales force – sales promotion – sales promotion objective- major decision in sales promotion at dealers and at dealers and at customers level.		
Unit 6	Contemporary issues	2 hours
Expert lectures and seminars		
	TOTAL	45 hours
Text Book(s)		
1	Marketing management - C.B.Mamoria and Sathishmamoria	
2	Principles and practice of marketing in India - C.M.MamoriaandR.L.Joshi	
3		
Reference Books		
1	Marketing Management – Philip kotler	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	-	

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

S- Strong; M-Medium; L-Low

A purple scroll graphic with a white outline, featuring a rolled-up top edge and a small white circle at the bottom left corner. The text "Fourth Semester" is centered on the scroll in a white, bold, sans-serif font. There are faint blue and white decorative elements on the left and right sides of the scroll.

Fourth Semester

Course code		TITLE OF THE COURSE	L	T	P	C
Core VIII		Corporate Accounting	5	-	-	4
Pre-requisite		Basic knowledge in company accounts	Syllabus Version		2022-23	

Course Objectives:

1. To understand the concepts of company accounts
2. To analyze various situations of redemption of shares and debentures
3. To understand the process of determining managerial remuneration
4. To evaluate the books of accounts during amalgamation and external reconstruction
5. To analyze various methods of valuation of goodwill and procedure of liquidation

Expected Course Outcomes:

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

1	Recalling various methods of preparing company accounts	K1
2	Analyze the redemptions of shares and debentures	K4
3	Applying different methods of calculating managerial remuneration	K3
4	Analyse the books of accounts during amalgamation and reconstruction	K4
5	Applying valuation of goodwill and preparing accounts during liquidation	K3

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

Unit:1	ISSUE OF SHARES AND DEBENTURES	15--hours
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Books of Accounts and statutory books – issue of shares and debentures – forfeiture and re-issue of share – surrender of share – right issue – under writing.

Unit:2	REDEMPTION OF PREFERENCE SHARES AND DEBENTURES	15--hours
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Redemption of preference shares and debentures – acquisition of business – profits prior to corporation

Unit:3	FINAL ACCOUNTS OF JOINT STOCK COMPANIES	15--hours
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Preparation and presentation of final accounts of joint stock companies as per company law requirements – Determination of managerial remuneration

Unit:4	AMALGAMATION, ABSORPTION & RECONSTRUCTION	15--hours
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Reduction and reorganization of share capital – Amalgamation, absorption and re-construction (excluding intercompany holdings).

Unit:5	VALUATION OF SHARES AND GOODWILL	13--hours
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Valuation of shares and goodwill – liquidation of companies

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

Total Lecture hours

75--hours

Text Book(s)

- 1 Shukla&Grewal: Advanced Accounting, (S Chand, N.Delhi, 2000)
- 2 Gupta, R.L &Radhawsamy, M: Advanced Accounting, (S. Chand, N.Delhi, 2002)
- 3 Arulanandam& Raman: Advanced Accounting, (Himalaya Publ., N.Delhi, 1999)
- 4 Jain &Narang: Advanced Accounting, (Kalyani Publ., N.Delhi, 2005)

Reference Books

- 1 Hanif& Mukherjee : Corporate Accounting, (Tata McGraw-Hill,New Delhi,2006)
- 2 Maheshwari&Maheshwari: Advanced Accountancy, (Vikash Publ., N.Delhi, 2000)
- 3 Basu& Das: Practice in Accountancy, (Rabindra Library, Kolkata, 2003)

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

- 1
- 2
- 4

Course Designed By:

Mapping with programme outcomes

Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	M	M	S
CO3	M	M	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	T	P	C
Core IX		Software Development in VB	3	-	-	3
Pre-requisite		Basic knowledge in Visual basic	Syllabus Version		2022-23	

Course Objectives:

1. To conceptualize the working of visual basic
2. To provide knowledge about various controls used in visual basic
3. To provide knowledge about various controls in visual basic
4. To utilize the concepts of controls structure, arrays and functions
5. To make use of concepts for built in functions, string & numeric functions, menu editor

Expected Course Outcomes:

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

- | | | |
|---|--|----|
| 1 | Recall working in visual basics | K1 |
| 2 | Comparing various kind of variables in visual basics | K2 |
| 3 | Applying control in visual basic | K3 |
| 4 | Analyzing work with functions, array | K4 |
| 5 | Apply the concepts of various string and numeric functions | K3 |

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

Unit:1 VB Fundamentals 9--hours

Integrated Development Environment (IDE) – Customizing a Form – Steps in VB Programming – Anatomy of a Form – Code Window – Variables – Data types – Constant – Strings – Numbers – The Comment & End Statements - Tool Box – Controls – Creating Controls & its Properties.

Unit:2 Navigating Between Controls 9--hours

Command Button – Picture Box – Label Box – Option Button – Text Box – Check Box –

List & Combo Box - Control Arrays – LOOPS & its Types – Making Decisions – Select Case –

Nested if then – GOTO Statement – Built in Functions – String – Numeric – Date & Time Functions – Financial Functions.

Functions & Procedures: Function Procedures & Sub Procedures – Grids – Flex Grid – DB Grid – Rich Text Box – Progress Bar – Status Bar – Frame Controls – Image Objects – Timer – Scroll Bar – Active X Controls – Tree View Control – List View Control – Common Dialog Controls & File System Controls(Drive, Dirlist, File list Box).

Unit:3 Practical's I 9--hours

- Develop a VB program using Text box and label box
- Develop a VB program using List and Combo box
- Develop a VB program using Check box and option button
- Develop a VB program using Select case

Unit:4 Practical's II 9--hours

- Develop a VB program using Control structure
- Develop a VB program using Arrays
- Develop a VB program using Financial function

Unit:5 DDE PROPERTIES**7--hours**

- Develop a VB program using Built in Functions
- Develop a VB program using String and numeric functions
- Develop a VB program using Menu editor
- Develop a VB program using Grids box

Total Lecture hours**45--hours**

- 1 Mohammed Azam, Programming with Visual Basic 6.0. – IKAS publishing house (P) Ltd.
2. Visual Basic 6.0 Programming - Content Development Group

Reference Books

- 1 Visual Basic 6.0 from Ground up – Garry Cornel
- 2 Visual Basic 6.0 – An Interactive Approach – Sabarigirivasan

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

- 1 <https://www.youtube.com/watch?v=-HNNCem5MoQ>
- 2 <https://www.youtube.com/watch?v=bCMWfzPONJg>
- 3 <https://www.youtube.com/watch?v=hfqqRUAXCC0>

Course Designed By:

Mapping with programme outcomes

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

S- Strong; M-Medium; L-Low

Course code		TITLE OF THE COURSE	L	T	P	C
Core X		Banking Theory	3	-	-	3
Pre-requisite		Basic knowledge in banking	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To conceptualize the working of banking system
2. To provide knowledge about the recent trends in banking
3. To analyze the role of central banks in country
4. To evaluate the role of SBI
5. To analyze the role of banks in rural financing

Expected Course Outcomes:

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

1	Remembering the various aspects and working of banking industry	K1
2	Comparing various trends in banking industry	K2
3	Analyzing the role of central banking system	K4
4	Remembering the role and functions of SBI	K1
5	Understanding the role of banking in rural financing and development	K2

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

Unit:1	INTRODUCTION OF BANKING	8--hours
Origin of banks – Definition of banking – Classification of banks – Banking system – Unit banking – Branch banking, Universal banking & Banking markets- Functions of Modern Commercial Banks		
Unit:2	RECENT TRENDS IN INDIAN BANKING	9--hours
Recent trends in Indian banking – Automated Teller Machines – Customer services – Debit cards – Credit cards – E-banking		
Unit:3	CENTRAL BANKS	8--hours
Central banks – Functions – Credit control measures – Quantitative and selective credit control measures – Role of RBI in regulating and controlling banks		
Unit:4	STATE BANK OF INDIA	7--hours
State bank of India – Evolution – Functions – Role of SBI in Economic Development		
Unit:5	COMMERCIAL BANKS	11--hours
Commercial banks function – Rural financing – Regional rural banks – Place of co – operative banks in the Indian banking scene		

Unit:6	Contemporary Issues	2 hours
Expert lectures, online seminars – webinars		
	Total Lecture hours	45--hours
Text Book(s)		
1	Banking of india - Panandigar . S.J	
2	A text book of banking - Radhasamy .M & Vasudevan . S.V	
3	A text book of banking - Maheswari .S.N	
Reference Books		
1	Indian banking - Natarajan .S &Parameshwaran .R	
2	Banking and financial system - Santhanam	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1		
2		
4		
Course Designed By:		

Mapping with programme outcomes					
Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	M	S	S	S	S
CO3	S	M	S	M	S
CO4	S	S	M	S	M
CO5	M	S	S	S	S

S- Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Allied IV	PRINCIPLES OF MANAGEMENT	3	-	-	3
Pre-requisite	Basic knowledge of Principles of Management	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. Conceptualize on the functions and theories of principles of management.
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 in management.
5. Make the students to understand the motivational theories.

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	9 hours
Definition of Management – Management and Administration – Nature and Scope of Management - Functions of Management - Contribution of F.W. Taylor – Henry Fayol – Mary Parker Follet – McGregor and Peter F. Drucker.		
Unit:2	PLANNING	9 hours
Planning – Meaning – Nature and Importance of Planning – Planning promises – Methods and Types of plans – Decision Making.		
Unit:3	ORGANIZATION	9 hours
Organization – Meaning, Nature and Importance – Process of Organization – Principles of Sound Organization – Organization Structure – Span of Control – Organization Chart - Departmentation– Delegation and Decentralization– Authority relationship Line, Functional and Staff.		
Unit:4	MOTIVATION	9 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	7 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	45 hours
Text Book(s)		
1	Principles of Management - Koontz and O'Donald	
2	Business Management - Dinkar – Pagare	
3	The Principles of Management - Rustom S. Davan	
Reference Books		
1	Business Organization and Management - Y. K. Bhushan	
2	Business Management – Chatterjee	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.youtube.com/watch?v=_nikDhY1z8s	
2	https://www.youtube.com/watch?v=nZd3tUvfjq4&t=89s	
3	https://www.youtube.com/watch?v=xCEAiy51oS8&list=PLGRG6Dk7lyZ7vBWcAPIxfyFKg1O7y98mE	
Course Designed By:		

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	S	S	S	S

S- Strong; M-Medium; L-Low

Course code	TITLE OF THE COURSE	L	T	P	C
Skill Based Subject - 2	E -BUSINESS	2	-	-	2
Pre-requisite	Basic knowledge of E-business	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To acquire the basic concept of E- Business and related information technology
2. To enable the students on Intranet and Extranet
3. To impart knowledge on Security Threats in E-business
4. To gain knowledge on Electronic Payment System
5. To know E-Business Applications and Strategies

Expected Course Outcomes:

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

1	Understand the basic concept of E- Business and its applications	K1
2	To gain the knowledge on EDI	K2
3	To analyse security threats in E-Business	K1
4	Apply various digital payment methods	K2
5	To gain knowledge on E-business models and recent trends in E-business	K2

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

Unit:1

Introduction to e-business

6 hours

Introduction to e-business: Electronic Business, Electronic Commerce, Electronic Commerce Models, Types of Electronic Commerce, Value Chains in Electronic Commerce, E-Commerce in India. Internet, World Wide Web, Internet Architectures, Internet Applications, Web Based Tools for Electronic Commerce,

Unit:2

Composition of Intranet and Extranet

6 hours

Intranet, Composition of Intranet, Business Applications on Intranet, Extranets Electronic Data Interchange, Components of Electronic Data Interchange, Electronic Data Interchange Communication Process)

Unit:3

Security Threats to e-business

6 hours

Security Threats to e-business, Security Overview, Electronic Commerce Threats, Encryption, Cryptography, Public Key and Private Key Cryptography, Digital Signatures, Digital Certificates, Security Protocols over Public Networks: HTTP, SSL, Firewall as Security Control, Public Key Infrastructure (PKI) for Security, Prominent Cryptographic Applications.

Unit:4

Electronic Payment System

6 hours

Electronic Payment System, Concept of Money, Electronic Payment System, Types of Electronic Payment Systems, Smart Cards and Electronic Payment Systems, Infrastructure Issues in EPS, Electronic Fund Transfer.

Unit:5

E-Business Applications and Strategies

4 hours

E-Business Applications & Strategies- Business Models & Revenue Models over Internet, Emerging Trends in e-Business, e-Governance, Digital Commerce, Mobile Commerce, Strategies for Business over Web, Internet based Business Models.

Unit:6	CONTEMPORARY ISSUES	2 hours
Expert lectures, online seminars – webinars		

Total Lecture hours 30 hours

Text Book(s)

- 1 Whitley, David (2000). e-Commerce Strategy, Technologies and Applications. Tata McGraw Hill.
- 2 Schneider Gary P. and Perry, James T (1st Edition 2000). Electronic Commerce. Thomson Learning.

3

Reference Books

- 1 Bajaj, Kamlesh K and Nag, Debjani (1st Edition 1999). E-Commerce: The Cutting Edge of Business. Tata McGraw Hill, Publishing Company Ltd., New Delhi.
- 2 Dr.C.S.Rayudu,"E-Commerce &E-Business",Himalaya Publishing House, New Delhi, 2004.

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

- 1 [https://searchcio.techtarget.com/definition/e-commerce#:~:text=E%2Dcommerce%20\(electronic%20commerce\)%20is%20the%20buying%20and%20selling,or%20consumer%2Dto%2Dbusiness.](https://searchcio.techtarget.com/definition/e-commerce#:~:text=E%2Dcommerce%20(electronic%20commerce)%20is%20the%20buying%20and%20selling,or%20consumer%2Dto%2Dbusiness.)
- 2 <https://ecommerceguide.com/guides/what-is-ecommerce/>

3

Course Designed By:

Mapping with Programme Outcomes

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

A purple scroll graphic with a white outline, featuring a rolled-up top edge and a small white number '2' in the bottom left corner. A faint blue lightning bolt is visible on the left side.

Fifth Semester

Course code		TITLE OF THE COURSE	L	T	P	C
Core XI		SOFTWARE ENGINEERING	6	-	-	4
Pre-requisite		Basic computer knowledge	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To provide information about various software products
2. To understand software project planning and scheduling
3. To provide information about COCOMO model
4. To understand the process of software quality assurance and configuration management
5. To understand the process of risk management

Expected Course Outcomes:

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

1	Recalling various software products	K1
2	Understanding the process of software project planning and scheduling	K2
3	Applying COCOMO model	K3
4	Evaluating software quality assurance procedures	K5
5	Applying various risk management strategies	K3

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

Unit:1	SOFTWARE PRODUCT AND PROCESS	20--hours
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Software Product and Process: Software Characteristics & Applications, Software Process, Software Process Models; Linear Sequential Model, Prototyping Model, RAD Model, Evolutionary Software Process Models, Software Development Process

Unit:2	SOFTWARE PROJECT PLANNING AND SCHEDULING	18--hours
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Software Project Planning and Scheduling: Software Requirement, Software Requirements, Specification, Requirements Validation, Software Design Principles, Software Project Estimation: Size Oriented, Function Oriented, Software Metrics, Software Cost Estimation,

Unit:3	SOFTWARE MODEL	17--hours
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COCOMO Model, Project Scheduling, Software Staff & Personnel Planning, Rayleigh Curve, Software Team Organization & Control Structure. Project Monitoring & Control Techniques

Unit:4	SOFTWARE QUALITY ASSURANCE & CONFIGURATION MANGEMENT	15--hours
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Software Quality Assurance & Configuration Management: Software Quality, Software Quality Assurances, Software Testing, Formal Technical Reviews, ISO Software Quality, Standards, Software Configuration Management, SCM Process, Configuration Audit.

Unit:5	RISK MANAGEMENT	18--hours
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Risk Management: Software Risks, Reactive and Pro-active Risk Strategies, Risk Identification,

Risk Projection, Risk Mitigation, Risk Monitoring and Management

Unit:6 | **Contemporary Issues** **2 hours**
Expert lectures, online seminars - webinars

Total Lecture hours 90--hours

Text Book(s)

- 1 Roger. S. Pressman (2001). Software Engineering: A Practioner's Approach. McGrawHill, New Delhi, Fifth Edition.
- 2 Aggarwal, K.K.& Singh, Yogesh (2005). Software Engineering. New Age International.

Reference Books

- 1 Walker Royce (2001). Software Project Management: A Unified Framework. PearsonEducation Asia, Singapore, First Edition.
- 2

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

- 1
 - 2
 - 4
- Course Designed By:

Mapping with programme outcomes

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

Course code		TITLE OF THE COURSE	L	T	P	C
Core XII		Management Accounting	4	-	-	4
Pre-requisite		Basic Knowledge In Accounting	Syllabus Version		2022-23	
Course Objectives:						
The main objectives of this course are to:						
1. To understand the procedures and concepts of management accounting 2. To apply various techniques of financial analysis 3. To analyze various kind of ratio analysis for decision making 4. To assist in preparing fund flow statements and cash flow statements 5. To understand the procedure of marginal costing						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
1	Recalling the process and techniques of management accounting					K1
2	Apply various techniques of financial analysis for decision making					K3
3	Analyze financial statements using ratio analysis					K4
4	Analyze financial statements using fund flow statements and cash flow statements					K4
5	Understanding the decision making process using marginal costing techniques					K1
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1						
NATURE AND SCOPE OF MANAGEMENT			15--hours			
Introduction-Management Accounting-Need and importance-Meaning Definition-Objectives And Scope, its distinction between Financial and Cost accounting-Advantages and limitations of Management accounting management - Accountant-Role-Essential qualities						
Unit:2						
FINANCIAL STATEMENT ANALYSIS			10--hours			
Financial Statement Analysis-Interpretation and criticism of financial statements-Trend percentages-Inter firm Comparison-Necessity and limitations						
Unit:3						
RATIO ANALYSIS			10--hours			
Ratio Analysis-Meaning, advantages, limitations, Balance sheet ratios, Profit & Loss A/c Ratios, Liquidity, Solvency ratios, Overall Performance ratios (Advanced Problems)						
Unit:4						
FUND FLOW AND CASH FLOW STATEMENT			15--hours			
Fund flow statement and cash flow statement-advantages of fund flow statement, distinction between Fund flow and Cash flow statement.						
Unit:5						
MARGINAL COSTING			8--hours			
Marginal Costing-As a tool of decision making, Fixed and variable cost, contribution, Breakeven analysis, Profit Volume Ratio, Limiting factor, Marginal costing and important management decision (Problems on decision making only)						

Unit:6		Contemporary Issues	2 hours
Expert lectures, online seminars – webinars			
		Total Lecture hours	60—hours
Text Book(s)			
1	R. N. Anthony / G. A. Walsh : Management Accounting		
2	M. Y. Khan. K. P. Jain : Management Accounting		
3	I. M. Pandy : Management Accounting		
Reference Books			
1	Richard M.Lynech &Robert Williamson: Accounting for Management Planning & Control		
2	Dr. Mahesh Kulkarni : Management Accounting Career Publications, Nasik		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1			
2			
Course Designed By:			

Mapping with programme outcomes					
Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	M	S	M	S
CO3	M	S	M	S	S
CO4	S	S	S	S	M
CO5	S	S	S	S	S

*S-Strong; M – Medium; L - Low

Course code		TITLE OF THE COURSE	L	T	P	C
Core XIII		Technology Management	5	-	-	4
Pre-requisite		Basic knowledge in management	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To establish knowledge about the relationship between technology and management
2. To provide knowledge about change management
3. To offer insights about innovation management
4. To provide insights about the business process engineering
5. To provide knowledge about creative and lateral thinking

Expected Course Outcomes:

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

1	Recalling the relationship between technology and management	K1
2	Understanding change management in organizational context	K2
3	Applying innovations in organizations	K3
4	Analyzing business process engineering	K4
5	Applying creative thinking in decision making	K3

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

Unit:1	TECHNOLOGY MANAGEMENT	15--hours
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Technology Management : Understanding Technology and its Relationship with Wealth of Nations and Firms Specific Knowledge; Technology Life Cycles, Technology Acquisition and Absorption; Technology Exports / Joint venture Abroad. Technological Forecasting and Perspective Planning in Business Enterprises. Global Trends in Technology Management.

Unit:2	CHANGE MANAGEMENT	15--hours
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Change Management: Understanding the Nature, Importance, Forces, Types of Change; Diagnosing Organizational Capability to Change-strategy, Structure, Systems and People; Personal Imperatives for Change, Building Culture for Change. Change Imperatives of New Technologies. Managing Transformations.

Unit:3	INNOVATIONS MANAGEMENT	15—hours
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Innovations Management: Invention vs. Innovation; Innovation Strategies, Models; Concurrent

Unit:4	ENGINEERING	15—hours
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Engineering; Process Innovation. Economics of Innovation. Innovation Management.

Unit:5	CREATIVE AND LATERAL THINKING MANAGEMENT	13—hours
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Creative and Lateral Thinking Management: Creative Thinking, Problem Solving, Managing Lateral Thinking.

Unit:6 | Contemporary Issues**2 hours**

Expert lectures, online seminars - webinars

Total Lecture hours**75--hours****Text Book(s)**

- 1 Azad, R. R.(2000). Technology Transfer & Joint Ventures Abroad. Deep &DeepPublications,India.
- 2 Tushman, M.L. & Lawrence, P.R. (1997). Managing Strategic Innovation &Change.Oxford University Press, USA, New York.

Reference Books

- 1 Jones T. (2003). Innovating at the Edge: How Organizations Evolve and Embed
- 2 Innovation Capability. Butterwork Heinemann, U. K.

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

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- 2
- 4

Course Designed By:

Mapping with programme outcomes

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

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

Course code		TITLE OF THE COURSE	L	T	P	C
Core XIV		Principles of Web Designing	4	-	-	4
Pre-requisite		Basicwebknowledge	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To provide insights about the use of HTML and graphics
2. To introduce XML among students
3. To introduce javascripting
4. To provide knowledge about various scripting techniques
5. To provide insights about web based data base tools

Expected Course Outcomes:

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

- | | | |
|---|--|----|
| 1 | Recall various techniques of using HTML and graphics | K1 |
| 2 | Applying XML techniques | K3 |
| 3 | Understanding the techniques of JAVA scripting | K2 |
| 4 | Comparing various scripting techniques | K2 |
| 5 | Applying web based data base tools | K3 |

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

Unit:1 HTML & GRAPHICS 15--hours

HTML & Graphics: HTML 4.0 Tag Reference, Global Attributes, Event Handlers, Document Structure Tags, Formatting Tags, List Tags, Hyperlinks, Image & Image map, Table Tags, Form Tags, Frame Tags, Executable Content Tags. Image Maps, Advanced Graphics, Tables, Frames, Forms & Style Sheets..

Unit:2 XML 10--hours

XML: Introduction to XML, Problems with HTML & SGML. Types of XML Markup. Document Type Definitions, Linking, Using Style Sheets with XML, XML Summary

Unit:3 JAVA SCRIPTING 10--hours

Introduction to Java Scripting, Web Browser Object Model, Manipulating Windows & Frames with Java Script. Using Java Script to create smart forms. Cookies and State Maintenance: Maintaining State, Introduction to Cookies, Advantages and limitations of Cookies, Disadvantages of Cookies, How to Use Cookies, which Servers and Browsers support Cookies. Introduction to DHTML. Advanced Netscape DHTML, Advanced Microsoft DHTML & Cross browser DHTML.

Unit:4 CGI & SERVER SIDE SCRIPTING 15--hours

CGI & Server side scripting, CGI & the WWW, Beyond HTML with CGI, How CGI works. CGI Server requirements for WINDOWS-NT & UNIX, CGI script structure, Standard CGI Environment Variables, CGI Libraries, Java Servlets, Server-Side

Unit:5	JAVA SCRIPT	8—hours
Java Script.-Web Database Tools, ORACLE & MS-ACCESS, Database tools, PHP, Server Side includes. Visual Basic, Scripting Edition & Active Server Page		
Unit:6	Contemporary Issues	2 hours
Expert lectures, online seminars – webinars		
	Total Lecture hours	60--hours
Text Book(s)		
1	Using HTML 4, XML & JAVA by Eric Ladd & Jim O'Donell (Platinum Edition) (PHI)	
Reference Books		
1	PERL & CGI by Elizabeth Castro (Pearson Education	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
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4		
Course Designed By:		

Mapping with programme outcomes					
Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	M	S	S	S
CO3	S	S	M	M	S
CO4	M	S	S	S	M
CO5	S	M	S	S	S

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

Course code		TITLE OF THE COURSE	L	T	P	C
Core XV		Computer Applications: Web Designing – Practical III	-	-	4	-
Pre-requisite		Basic internet knowledge	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To create web pages for business organizations
2. To use HTML for programming purposes
3. To document information using formatting and alignment

Expected Course Outcomes:

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

1	Creating web pages for organizations	K6
2	Understanding programming using HTML	K2
3	Analyzing information using various formatting and alignment options	K4
4	Creating resumes using HTML	K6
5	Creating documents using forms	K6

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

Unit:1	Title of the Unit (Capitalize each Word)	60—hours
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1. Create web pages for a business organisation using HTML Frames.
2. Create a Program using HTML to display the ordered list and unordered list of a Departmental Store.
3. Program to display Image and text using HTML tag for an advertisement of a Company Product.
4. Create a table to display list of products using HTML tag.
5. Create a document using Formatting and alignment to display Sales Letter.
6. Create a Resume using HTML Tags.
7. Create a website of your department with minimum five links using HTML.
8. Create a document using Form to support Local Processing of Order form.
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 multi form document.

Mapping with programme outcomes					
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
Elective I A		Cost Accounting	4	-	-	4
Pre-requisite		BASIC ACCOUNTING KNOWLEDGE	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand the concept and various components of costing
2. To assist preparation of accounts under process costing
3. To familiarize with the techniques of standard costing
4. To evaluate the cost under process costing
5. To help in analyzing the different techniques of standard costing and control

Expected Course Outcomes:

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

1	Recall various concepts of costing and costing methods	K1
2	Compare the various elements of costing	K2
3	Apply innovative methods of costing techniques	K3
4	Analyse the various types of under process costing	K4
5	Analyze the different techniques of standard costing and control it	K4

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

Unit:1	BASIC CONCEPTS IN COST ACCOUNTING	15--hours
Overview of basic concepts in Cost Accounting - Element of Cost : Material, Labour and Overheads.- Material : Purchase procedure, storage and Inventory control, Landed cost of Material receipts. Methods of Pricing- issues, Methods of Inventory control – Labour :Classification of Labour, Principles and Methods of Remuneration, Accounting of Labour cost, Job evaluation and Merit rating-.		
Unit:2	OVERHEADS	10--hours
Overheads: Meaning, classification, allocation, apportionment and absorption, Accounting of overheads		
Unit:3	METHODS OF COSTING	10--hours
Methods of Costing Job costing, Batch costing, Unit costing, Contract Costing,		
Unit:4	PROCESS COSTING	15--hours
Process Costing, Costing of by-products and joint products		
Unit:5	STANDARD COSTING	8--hours
Standard Costing – Analysis of Variance - Cost Book Keeping and Reconciliation between Cost and Financial Accounts		

Unit:6 | **Contemporary Issues**
Expert lectures, online seminars - webinars

2 hours

Total Lecture hours

60--hours

Text Book(s)

- 1 Ravi Kishor : Advanced Cost Accounting and Cost Systems, Taxmann's Allie Services Pvt. Ltd. New Delhi
- 2 N.K.Prasad : Principles and Practice of Cost Accounting, Book Syndicate Pvt.Ltd. Calcutta

Reference Books

- 1 S. P.Iyengar: Cost Accounting Principles and Practice, Sultan Chand & Sons, New Delhi
- 2

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

- 1
- 2
- 4

Course Designed By:

Mapping Programme outcomes

	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
Elective I B		Business Finance	4	-	-	4
Pre-requisite		Basic knowledge in finance	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand the various concept relating to finance
2. To familiarize with the basics of financial planning
3. To analyze various sources and forms of finance
4. To understand the various dimensions of capital market and their components
5. To provide knowledge about capitalization and related theories

Expected Course Outcomes:

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

1	Recall various concepts relating to finance	K1
2	Understand the various techniques of financial planning	K2
3	Analyze various sources and forms of finance	K4
4	Understanding various dimensions of capital market and their components	K2
5	Understanding capitalization concept and related theories for decision making	K2

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

Unit:1	Introduction to Business Finance	15--hours
Business Finance: Introduction – Meaning – Concepts - Scope – Function of Finance Traditional and Modern Concepts – Contents of Modern Finance Functions		

Unit:2	Financial Plan	10--hours
Financial Plan: Meaning - Concept – Objectives – Types – Steps – Significance – Fundamentals		

Unit:3	Sources and Forms of Finance	10--hours
Sources and Forms of Finance: Equity Shares, Preference Shares, Bonds, Debentures and Fixed Deposits – Features – Advantages and Disadvantages- Lease Financing: Meaning – Features – Forms – Merits and Demerits.		

Unit:4	Capital Structure	15--hours
Capital Structure – Cardinal Principles of Capital structure – Trading on Equity – Cost of Capital – Concept – Importance – Calculation of Individual and Composite Cost of Capital.		

Unit:5	Capitalization	8--hours
Capitalization - Bases of Capitalization – Cost Theory – Earning Theory – Over Capitalization – Under Capitalization : Symptoms – Causes – Remedies – Watered Stock – Watered Stock Vs. Over Capitalization.		

Unit:6		Contemporary Issues	2 hours
Expert lectures, online seminars – webinars			
		Total Lecture hours	60--hours
Text Book(s)			
1	Essentials of Business Finance - R.M. Sri Vatsava		
2	Financial Management – Saravanavel		
Reference Books			
1	Financial Management - L.Y. Pandey		
2	Financial Management - M.Y. Khan and Jain		
3	Financial Management - S.C. Kuchhal		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1			
2			
4			
Course Designed By:			

Mapping Course objectives and course outcomes					
	PO1	PO2	PO3	PO4	PO5
CO1	M	L	S	S	S
CO2	S	M	S	S	M
CO3	S	S	S	S	S
CO4	S	S	M	S	M
CO5	M	S	M	M	M

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

Course code		TITLE OF THE COURSE	L	T	P	C
Elective I C		Entrepreneurial Development	4	-	-	4
Pre-requisite		Basic knowledge about entrepreneurship	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand the basic concepts of entrepreneurship and related initiatives
2. To provide insights about the setting up of startups
3. To familiarize with the institutional services to entrepreneur
4. To provide knowledge about various financial support available to the entrepreneurs
5. To provide knowledge about various subsidies and incentives available for entrepreneurs

Expected Course Outcomes:

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

1	Recall the importance and role of entrepreneurship as an economic activity	K1
2	Compare the various forms of setting up a startup	K2
3	Understand the various institutional services to entrepreneur	K2
4	Analyze the various financial support available to the entrepreneurs	K4
5	Applying the various subsidies and incentives available for entrepreneurs	K3

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

Unit:1	Concept of Entrepreneurship	15--hours
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Concept of entrepreneurship : Definition Nature and characteristics of entrepreneurship – function and type of entrepreneurship phases of EDP. Development of women entrepreneur & rural entrepreneur – including self employment of women council scheme.

Unit:2	Start up Process	10--hours
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The start-up process, Project identification – selection of the product – project formulation evaluation – feasibility analysis, Project Report.

Unit:3	Institutional Service to Entrepreneur	10--hours
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Institutional service to entrepreneur – DIC, SIDO, NSIC, SISI, SSIC, SIDCO – ITCOT, IIC, KUIC and commercial bank.

Unit:4	Institutional Finance to Entrepreneur	15--hours
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Institutional finance to entrepreneurs : IFCI, SFC, IDBI, ICICI, TIIC, SIDCS, LIC and GIC, UTI, SIPCOT – SIDBI commercial bank venture capital.

Unit:5	Incentives and Subsidies	8--hours
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Incentives and subsidies – Subsidied services – subsidy for market. Transport – seed capital assistance - Taxation benefit to SSI role of entrepreneur in export promotion and import substitution.

Unit:6		Contemporary Issues		2 hours	
Expert lectures, online seminars – webinars					
		Total Lecture hours		60--hours	
Text Book(s)					
1	Entrepreneurial Development – C.B.Gupta and N.P.Srinivasan				
2	Fundamentals of Entrepreneurship and Small Business –RenuArora&S.KI.Sood				
Reference Books					
1	Entrepreneurial Development – S.S.Khanka 4. Entrepreneurial Development – P.Saravanel				
2	Entrepreneurial Development – S.G.Bhanushali				
3	Entrepreneurial Development – Dr.N.Ramu				
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
1					
2					
4					
Course Designed By:					

Mapping Course objectives and course outcomes					
	PO1	PO2	PO3	PO4	PO5
CO1	M	S	M	S	S
CO2	S	S	S	S	S
CO3	S	S	M	M	S
CO4	M	M	S	S	S
CO5	S	M	S	S	S

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

Coursecode		TITLE OF THE COURSE	L	T	P	C
Skill based Subject-3		INSURANCE AND RISK MANAGEMENT	3	-	-	3
Pre-requisite		Basic Knowledge of Insurance	Syllabus Version		2022	
Course Objectives:						
The main objectives of this course are to: ➤ To familiarize the principles of insurance ➤ To develop an understanding about the insurance industry and the types of insurance ➤ To lay a foundation for the risk management						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
1	Explain the Principles of Insurance.			K2		
2	Analyze the Position of Insurance Industry.			K2		
3	Examine the Types of Insurance Policies.			K1		
4	Control Risk.			K2		
5	Apply relevant method for risk Management.			K2		
K1-Remember; K2-Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6-Create						
Unit:1	INTRODUCTION OF INSURANCE			8—hours		
Introduction to Insurance: Role of Insurance – Characteristics of an Insurable Risk – Principles of Insurance – Reinsurance – Double Insurance – IT in Insurance						
Unit:2	INDIAN INSURANCE INDUSTRY			9--hours		
Indian Insurance Industry – Reforms – Private Players to Indian Insurance Market – IRDA Regulations: For Licensing of Insurance Agents – For Protection of Policy Holders" Interest. Actuary – Meaning – SOA.						
Unit:3	INSURANCE CONTRACT			8--hours		
Insurance Contract: Life Insurance Contract – Features, Policy Conditions and Products; Non – Life Insurance: Fire and Marine - Features, Policy Conditions and Products. Group, Health and Social Insurance – Schemes- Procedure for claiming Life and Health Insurance						
Unit:4	RISK Management			7-hours		
Introduction to Risk Management – Concept of Risk – Types of Risk – Principles of Risk Management – Risk Management process – Objectives of Risk Management						

Unit:5		RISK Management Tools			11—hours	
Risk management and control – Methods of Risk management – Risk management by individuals and corporations – Tools for Controlling Risk.						
Unit:6		CONTEMPORARYISSUES			2hours	
Expertlectures,onlineseminars –webinars						
		TotalLecturehours			45—hours	
TextBook(s)						
1	Varshney, “BankingTheory, LawandPractice”, Sultan&Chand Ltd.					
2	GordonandNataraj, “BankingTheory,LawandPractice”,HimalayaPublishingHouse..					
3	M.L.Tannan,“BankingLawandPractice”,Thacker&CoLtd					
ReferenceBooks						
1	B.S Bodla, M.C. Garg & K.P. Singh,“Insurance - Fundamentals, Environment &Procedures”,Deep&Deep PublicationsPvt. Ltd.,NewDelhi, 2004.					
2	M.N.Mishra,“Insurance–PrinciplesandPractice”,S.Chand&CompanyLtd.,NewDelhi,2006					
RelatedOnlineContents[MOOC,SWAYAM, NPTEL,Websitesetc.]						
1	https://www.youtube.com/watch?v=vqmMxbHufQk&list=PLH-J9IY9-DpNk9bgsORjIFW46SANwtSDE					
2	https://www.youtube.com/watch?v=vqmMxbHufQk					
3	https://www.youtube.com/watch?v=oxzmP7sjCRQ&list=PLBbCyJkOLBm-m99E5vhk4owlgJK6aiT2					
CourseDesignedby:						
	MappingCourseobjectivesandcourseoutcomes					
		PO1	PO2	PO3	PO4	PO5
	CO1	M	S	M	S	S
	CO2	S	S	S	S	S
	CO3	S	S	M	M	S
	CO4	M	M	S	S	S
	CO5	S	M	S	S	S

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



Sixth Semester

Course code		TITLE OF THE COURSE	L	T	P	C
Core XVI		Management Information System	5	-	-	4
Pre-requisite		Basic organizational knowledge	Syllabus Version	2022-23		

Course Objectives:

The main objectives of this course are to:

1. To conceptualize the need and use of management information system
2. To provide information about integrating management information system with business strategy
3. To acquaint the students with various risks and mitigation strategies relating to management information system
4. To provide information about emerging trends in management information system
5. To develop practical knowledge among management information system

Expected Course Outcomes:

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

- | | | |
|---|---|----|
| 1 | Recalling the various uses of management information system | K1 |
| 2 | Exemplifying the integration of MIS with business strategy | K2 |
| 3 | Evaluating various risks and mitigation strategies of MIS | K5 |
| 4 | Analyzing the trends in MIS | K4 |
| 5 | Applying practical insights about management information system | K3 |

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

Unit:1	Role of Information Systems	20--hours
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Meaning and Role of Information Systems

Types of Information Systems: Operations Support Systems, Management Support Systems, Expert Systems, and Knowledge Management Systems.

Unit:2	Information Systems for Strategic Management	18--hours
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Information Systems for Strategic Management: Competitive Strategy Concepts, Strategic Role of Information Systems. Integrating Information Systems with Business Strategy, Value Chain Analysis, and Strategic Information Systems Framework

Unit:3	Planning for Information Systems	17--hours
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Planning for Information Systems: Identification of Applications, Business Planning Systems and Critical Success Factors, Method of Identifying Applications, Risks in Information Systems Resource Requirements for Information Systems: Hardware and CapacityPlanning, Software Needs, Procurement Options – Make or Buy decisions, Outsourcing as an Option.

Unit:4	Emerging Concepts and Issues in Information Systems	15--hours
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Emerging Concepts and Issues in Information Systems: Supply Chain Management, Customer Relationship Management, ERP. Introduction to Data Warehousing, Data Mining and Its Applications, Emerging Concepts in Information System Design and Application

Unit:5 **Research Project** **18--hours**

Research Project:

Each student will write a research paper on a specific Information System related issue of their choice. This paper may include the following:

- HistoricDevelopment
- Examination of Current Issues
- Exploration of the Actual or Expected Impact on Employees, Industry orGovernment, Presentation of available Alternatives if Applicable

References

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

Total Lecture hours **90--hours**

Text Book(s)

- 1 Kenneth, Laudon& Jane Laudon (2005).MIS: Managing the Digital Firm. Pearson Education.
- 2 James, A. O'Brien (2005). Introductio n to Information Systems. Tata McGraw Hill.

Reference Books

- 1 Turban, E., McLean, E. and Wetherbe, J. (2001). Information Technology for Management: Making Connections for Strategic Advantage. John Wiley and Sons.
- 2 Jawadekar, W. S. (2004). Management Information Systems. Tata McGraw Hill

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

- 1
- 2
- 4

Course Designed By:

Mapping with programme outcomes

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

*S – Strong; M – Medium; L - Low

Course code		TITLE OF THE COURSE	L	T	P	C
Core-XVII		JAVA programming	6	-	-	4
Pre-requisite		Basic knowledge in computer	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To provide overview about internet and related protocols
2. To provide insights about various operators
3. To provide knowledge about class fundamentals
4. To offer insights about different types of inheritance
5. To provide information about AWT classes

Expected Course Outcomes:

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

1	Recalling various concepts about internet and related protocols	K1
2	understanding various operators	K2
3	Comparing various class fundamentals	K2
4	Analyzing different types of inheritance	K4
5	Understanding about various AWT classes	K2

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

Unit:1	An overview of Internet	15—hours
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Internet – Overview – Internet Protocols – Internet address – Internet access – Applications – Future of Internet and intranet related Applications. – Basic concepts of OOP – benefits of OOP – Object Oriented applications of OOP – Data types, variables and arrays – Programs with input, numeric input – type conversion and casting.

Unit:2	Operators	15—hours
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Operators – Arithmetic operators – Bitwise operators – Relational operators – Relational operators – Boolean operators – Logical operators – Assignment operators? Operators – Control statement – Selection statements – if, switch, iteration statements – while, do while, for, nested loops – jump statements, break, continue, return statements

Unit:3	Class Fundamentals	15—hours
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Class fundamentals – Declaring Objects – Assigning Object Reference Variables – Introducing methods – Constructors – The this keyword – Garbage collection – The finalize () method. Overloading Methods – Objects as Parameters – Arguments Passing – Returning Objects – Recursion – Access Control – Static – Final – Arrays – Nested and Inner Classes – String Class – Command Line Arguments.

Unit:4	Basics of Inheritance	15—hours
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Inheritance Basics – Using Super – Creating a Multilevel Hierarchy – When Constructors are called

– Method Overriding – Dynamic Method Dispatch – Using Abstract Classes – Using final with Inheritance – The Object Class. Packages – Access Protection – Importing Packages – Interfaces.

Unit:5	Fundamentals of Windows and Applet	13--hours
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AWT classes – Windows fundamentals – Working with Frame windows – Working with graphics
– Paint Mode – Fonts – Text and Graphics – AWT Controls – Labels – Buttons – Menus
Handling Events by Extending AWT Components. Applet fundamentals – Applet Class –
Understanding HTML Applet Tag

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

Total Lecture hours **75--hours**

Text Book(s)

- 1 Internet and Intranet Engineering – Daniel Minoli – Tata McGraw Hill, 1999
2 Java – The complete Reference, Patrick Naughton & Herbert Schildt, Tata McGraw Hill.

Reference Books

- 1 Programming with Java – John R Hubbard – Schuam's Outline Series

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

- 1
- 2
- 4

Course Designed By:

Mapping with programme outcomes

Cos	PO1	PO2	PO3	PO4	PO5
C01	S	S	S	S	S
C02	S	S	M	M	S
C03	S	M	S	S	M
C04	M	S	S	M	S
C05	S	S	S	S	M

*S – Strong; M – Medium; L - Low

Course code		TITLE OF THE COURSE	L	T	P	C
Core XVIII		Computer Applications : Java Script – Practical III	-	-	4	4
Pre-requisite		Basic knowledge in JAVA	Syllabus Version		2022-23	
Course Objectives:						
The main objectives of this course are to:						
1. To understand working using JAVA programming						
2. To do mathematical calculations using JAVA						
3. To perform banking transactions using JAVA						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
1	Understand using JAVA programming					K2
2	Applying JAVA for mathematical purposes					K3
3	Applying JAVA for analyzing employee payroll					K3
4	Applying Java for banking transactions					K3
5	Applying JAVA for simple spread sheet					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Computer Applications : Java Script – Practical III			60--hours			
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						

Mapping with programme outcomes					
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
Elective II A		Financial Management	3	-	-	5
Pre-requisite		Basic knowledge in finance	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To conceptualize various aspects of financial management
2. To provide information about various source of financing
3. To analyze the capital structure of a business using various theories
4. To provide information about working capital management of the business
5. To provide knowledge about dividend decision

Expected Course Outcomes:

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

1	Recalling various concepts and terminologies in financial management	K1
2	Comparing various source of financing	K2
3	Analyzing the capital structure of a business	K4
4	Understanding the working capital position of a business	K2
5	Analyzing different dividend policies	K4

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

Unit:1	Evolution of Financial Management & Capital Budgeting	20--hours
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Evolution of financial-management, scope and objectives of financial management. Capital budgeting: Capital Budgeting Process, Project formulation & Project Selection, Introduction to Various Capital Budgeting Techniques; Payback Period Method, Average rate of return, Net Present Value method, IRR, Benefit-Cost Ratio, Capital Rationing.

Unit:2	Sources of Long term funds	18—hours
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Sources of Long term funds: Equity shares, Preference shares, Debentures, Public deposits, factors affecting long term funds requirements.

Unit:3	Lease Financing and Capital Structure	17—hours
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Lease financing: Concept, types. Advantages and disadvantages of leasing. Capital Structure: Determinants of Capital Structure, Capital Structure Theories, Cost of Capital Operating and Financial Leverage.

Unit:4	Working Capital	15—hours
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Working Capital: Concepts, factors affecting working capital requirements, Determining working capital requirements, Sources of working capital.

Unit:5	Management of Retained Earnings	18—hours
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Management of Retained Earnings: Retained earnings & Dividend Policy, Consideration in

dividend policy, Forms of Dividends, Dividend Theories, Bonus Shares, .EVA, MVA and CAPM

Unit:6 | **Contemporary Issues** **2 hours**
Expert lectures, online seminars - webinars

Total Lecture hours **90--hours**

Text Book(s)

- 1 N Maheshwari, Financial Management Principles and Practice.
- 2 Khan and Jain, Financial Management.

Reference Books

- 1 Sharma and Sashi Gupta, Financial Management.
- 2 I M Pandey, Financial Management.

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

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- 2
- 4

Course Designed By:

Mapping Course objectives and course outcomes

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

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

Course code		TITLE OF THE COURSE	L	T	P	C
Elective II B		Financial Markets	3	-	-	5
Pre-requisite		Basic knowledge about financial market	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand the basic concepts of financial market
2. To analyze the working and components of corporate securities market
3. To evaluate the functioning of stock exchanges in India
4. To evaluate the role of banks and intermediaries in financial market
5. To provide insights about the new models and innovative trends in financing

Expected Course Outcomes:

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

1	Recall the basic concepts of financial market	K1
2	Analyze the working and components of corporate securities market	K4
3	Understanding the functioning of stock exchanges in India	K2
4	Understanding the role of banks and intermediaries in financial market	K2
5	Apply various trends and new models in financing	K3

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

Unit:1	Structure of Financial Markets	20—hours
Financial Markets – Structure of Financial Markets – Financial Investment – Money Market in India – Indian Capital Markets – Difference between Money Market and Capital Market – Classification and object of Indian Money Markets and Structure of Capital Markets.		
Unit:2	Markets for Corporate Securities	18—hours
Markets for Corporate Securities – New Issue Markets – Functions Issue Mechanism – Merchant Banking - Role and Functions of Merchant Bankers in India – Under writing.		
Unit:3	Secondary Markets	17—hours
Secondary Markets – Stock Exchange – Role of Secondary Market – Trading in Stock Exchange – Various Speculative Transactions – Role of SEBI – Regulation of Stock Exchange.		
Unit:4	Financial Intermediaries	15—hours
Banks as Financial Intermediaries – Commercial Banks Role in Financing – IDBI – IFCI – LIC – GIC – UTI – Mutual Funds – Investments Companies.		
Unit:5	New modes of Financing	18—hours
New Modes of Financing – Leasing as Source of Finance – Forms of leasing – Venture Capital – Dimension Functions – Venture Capital in India – Factoring – Types – Modus Operandi of Factoring – Factoring as Source of Finance – Securitisation of assets – Mechanics of Securitisation Utility of Securitisation – Securitisation in India,		

Unit:6	Contemporary Issues	2 hours
Expert lectures, online seminars - webinars		
	Total Lecture hours	90--hours
Text Book(s)		
1	Essentials of Business Finance - R.M. Sri Vatsava	
2	Financial Management - Saravanavel	
3	Financial Management - M.Y. Khan and Jain	
4	Financial Management Theory and Practice - Prasanna Chandra	
Reference Books		
1	Financial Management - L.Y. Pandey	
2	Financial Management - S.C. Kuchhal	
3	Principles of Financial Management - S.N. Maheshwari	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1		
2		
4		
Course Designed By:		

Mapping Course objectives and course outcomes					
	PO1	PO2	PO3	PO4	PO5
CO1	S	M	S	S	S
CO2	S	M	S	S	S
CO3	S	S	M	S	S
CO4	S	S	S	M	M
CO5	S	M	S	S	S

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

Course code		TITLE OF THE COURSE	L	T	P	C
Elective II C		Investment Management	3	-	-	5
Pre-requisite		Basic investment knowledge	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand various alternatives of investment
2. To understand about classification of investment market
3. To perform fundamental analysis before investing
4. To evaluate various types of fundamental analysis
5. To understand about optimum portfolio construction and management

Expected Course Outcomes:

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

1	Recalling various alternatives of investment	K1
2	Comparing the features of various investment markets	K2
3	Analyzing investments using fundamental analysis	K4
4	Applying technical analysis for evaluating investments	K3
5	Analysing an optimum portfolio for investment	K4

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

Unit:1	Introduction of Investment	20—hours
Investment Choices and Alternatives; Forms of Investment; Investment in Financial Assets; Money market and Capital Market Investment Instruments; Investment Objectives; Investment-Return and Risk;		
Unit:2	Investment Market	18—hours
Investment Market; Primary and Secondary Markets; New Issue Market; Listing of Securities; Operations of India Stock Market; Cost of Investing in Securities; Mechanics of Investing; markets and Brokers; Regulation and Control over investment market; Role and Guidelines of SEBI;		
Unit:3	Fundamental Analysis	17—hours
Fundamental Analysis; Valuation Theories of Fixed and Variable Income Securities Risk Analysis in Investment Decision; Systematic and Unsystematic Risk;		
Unit:4	Stock Market Analysis	15—hours
Stock Market Analysis- Technical Approach; Efficient Market Theory; Weak and Semi-strong form of Efficient Market; Investment decision making under Efficient market Hypothesis		
Unit:5	Portfolio Management	18—hours
Introduction to Portfolio Management – An Optimum portfolio Selection Problem, Markowitz		

Portfolio Theory, Sharpe: Single Index Model; Capital Asset Pricing Model

Unit:6 | **Contemporary Issues** **2 hours**
Expert lectures, online seminars - webinars

Total Lecture hours 90--hours

Text Book(s)

- 1 Alexander, Gordon J. and Sharpe, William F. (1989), "Fundamental of Investments", Prentice Hall Inc, Englewood Cliffs, New Jersey. (Pearson Education).
6. Haugen, Robert, H. (198), "Modern Investment Theory", Prentice Hall Inc, Englewood Cliffs, New Jersey. (Pearson Education).
- 2 Ballad, V. K, (2005), "Investment Management Security Analysis and PortfolioManagement", 8th Ed, S. Chand, New Delhi.
- 3 Elton, Edwin, J. and Gruber, Martin, J. (1984), "Modern Portfolio theory and

Reference Books

- 1 Fischer, Donald, E. and Jordan, Ronald, J. (1995), "Security Analysis and Portfolio Management", 6th Ed, Pearson Education.
- 2 Fuller, Russell, J. and Farrell, James, L. (1993), "Modern Investment and Security Analysis", McGraw Hill, New York.

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

- 1
- 2
- 4

Course Designed By:

Mapping Course objectives and course outcomes					
	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	M	S	S	S
CO3	M	S	M	S	S
CO4	S	S	M	M	M
CO5	S	M	S	S	S

*S – Strong; M – Medium; L - Low

Course code	TITLE OF THE COURSE	L	T	P	C
Elective III A	Income Tax and Law practice	3	-	-	5
Pre-requisite	Basic knowledge in law	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To understand the various concepts of income tax and related terminologies
2. To familiarize with calculation of income under different heads
3. To understand the process of set off and carry forward of losses while computing total income
4. To evaluate the set off and carry forward of losses while calculating personal income
5. To generate self-assessment of income and tax computation

Expected Course Outcomes:

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

1	Recall the various terminologies related to income tax	K1
2	Understand the method of calculating and levying tax	K2
3	Apply the various tax laws and available provisions in tax computations	K3
4	Apply the set off and carry forward of losses while calculating personal income	K3
5	Analyse self-assessment of income and tax computation	K4

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

Unit:1	Income Tax Act	20—hours
Income Tax Act – Definition of Income – Assessment year – Previous Year – Assessee – Scope of Income – Charge of Tax – Residential Status – Exempted Income.		
Unit:2	Heads of Income	18—hours
Heads of Income: Income from Salaries – Income from House Property.		
Unit:3	Profits and Gains of Business or Profession	17—hours
Profit and Gains of Business or Profession – Income from Other Sources.		
Unit:4	Capital Gains	15—hours
Capital Gains – Deductions from Gross Total Income.		
Unit:5	Set off and Carry forward of losses	18—hours
Set off and Carry forward of losses – Aggregation of Income- Computation of Tax liability – Assessment of Individuals.		
Unit:6	Contemporary Issues	2 hours
Expert lectures, online seminars – webinars		
	Total Lecture hours	90—hours

Text Book(s)

1	Gaur and Narang, “Income Tax Law and Practice” Kalyani publishers New Delhi
Reference Books	
1	Dr. HC Mehrotra, “Income-tax Law and Accounts” SahityaBhavan publishers
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	
2	
4	
Course Designed By:	

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

*S – Strong; M – Medium; L - Low

Course code		TITLE OF THE COURSE	L	T	P	C
Elective III B		Banking Law and Practice	3	-	-	5
Pre-requisite		Basic knowledge in Banking	Syllabus Version		2022-23	

Course Objectives:

The main objectives of this course are to:

1. To provide knowledge about the working of banking industry
2. To understand the basic understanding of loan disbursement policies of banks
3. To provide insights about various documents used in banking services
4. To analyze the various loan related process and formalities of banks
5. To assist in classifying various kind of documents involved in banking services

Expected Course Outcomes:

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

1	Remembering the various terms and concepts used in banking industry	K1
2	Understanding the various process and activities of commercial banks	K2
3	Executing various use of documents for easy and simple banking	K3
4	Analyze the various loan related process and formalities of banks	K4
5	Classifying various kind of documents involved in banking services	K2

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

Unit:1	Banker and Customer	20—hours
Definition of banker and customer – Relationships between banker and customer – special feature of RBI, Banking regulation Act 1949. Secrecy of customer Account.		
Unit:2	Banking Concepts	18—hours
Opening of account – special types of customer – types of deposit – Bank Pass book – collecting banker – paying banker – banker lien.		
Unit:3	Cheque	17—hours
Cheque – features essentials of valid cheque – crossing – making and endorsement – payment of cheques statutory protection duties to paying banker and collective banker - refusal of payment cheques Duties holder & holder id due course.		
Unit:4	Loans and Advances by Commercial Bank	15—hours
Loan and advances by commercial bank lending policies of commercial bank - Forms of securities – lien pledge hypothecation and advance against the documents of title to goods – mortgage.		
Unit:5	Position of Surety	18—hours
Position of surety – Letter of credit – Bills and supply bill. Purchase and discounting bill Traveling cheque, credit card, Teller system.		
Unit:6	Contemporary Issues	2 hours

Expert lectures, online seminars - webinars		
	Total Lecture hours	90--hours
Text Book(s)		
1	Sundharam and Varshney, Banking theory Law & Practice, Sultan Chand & Sons., New Delhi.	
2	Basu : Theory and Practice of Development Banking	
3	Reddy &Appanniah : Banking Theory and Practice	
Reference Books		
1	Natarajan& Gordon : Banking Theory and Practice	
2	Banking Regulation Act, 1949.	
3	Reserve Bank of India, Report on currency and Finance 2003-2004.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1		
2		
4		
Course Designed By:		

Mapping Programme outcomes					
	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	-	PROJECT AND VIVA VOCE		L	T	P	C
Elective - III C		Major Project		-	3	-	5
Pre-requisite		Knowledge in Core, Research Methods and Analytical Tools		Syllabus Version		2022-23	
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 Outcomes:							
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					K3	
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)							
1	C.R. Kothari, “Research Methodology Methods and Techniques”, Second Edition, New Delhi: New Age International publisher, 2004						
Reference Books							
1	Ranjit Kumar, Research Met odology: A St p-by-Step Guic e for Beginners, SA E 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							

Coursecode	TITLE OF THE COURSE	SCAA DATED	23/06/20	1C
SB-IV	INTELLECTUAL PROPERTY RIGHTS	3	-	3
Pre-requisite	Basic Knowledge on Intellectual Property rights	Syllabus Version	2022-23	
Course Objectives:				
The main objectives of this course:				
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SCAA DATED: 25.06.2021

Unit:5	PROTECTION OF PLANT VARIETIES AND FARMERS' RIGHTS	7hours
Introduction -Meaning and Definition -Registrable Varieties of Plants -Procedure for Registration- Plant Varieties Protection		
Unit:6	CONTEMPORARY ISSUES	2hours
Expert lectures, online seminars –webinars		
	Total Lecture hours	45hours
Text Book(s)		
1	Intellectual property right, Deborah.E.Bochoux, Cengage learning.	
2	Intellectual property right –Unleashing the knowledge economy, prabuddha ganguli, Tata McGraw Hill Publishing company ltd	
Reference Books		
1	V. K. Ahuja, Law Relating to Intellectual Property Rights, 2nd Ed. Lexis Nexis, 2013	
2	Intellectual Property Rights- Asha Vijay Durafe Dhanashree K. Torad malle, Wiley 2021	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://youtu.be/CXgok0q0zI	
2	https://youtu.be/HX8_UdIwy58	
3	https://youtu.be/5fvpsqPWZac	
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Mapping with Programme Outcomes					
Cos	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	M
CO2	S	M	M	S	M
CO3	S	S	S	S	S
CO4	S	S	M	M	S
CO5	S	M	S	S	S

S-Strong; M-Medium; L-Low