



DEPARTMENT OF B.COM (FINTECH)

**CHOICE BASED CREDIT SYSTEM (CBCS) &
LEARNING OUTCOME BASED CURRICULUM FRAMEWORK (LOCF)**

**BACHELOR OF COMMERCE WITH FINTECH
2024–2027 BATCH**



PROGRAMMING LEARNING OUTCOMES (PLOs)

After completion of the programme, the student will be able to,

PLO1: Exhibit advanced proficiency in the field of financial data analysis, including sophisticated modeling techniques and automation, showcasing an expert-level understanding and application of financial analysis.

PLO2: Demonstrate mastery in the development and management of Block Chain applications, underscoring their expert-level expertise in distributed ledger technology.

PLO3: Achieve proficiency in designing and developing FinTech applications, thereby enhancing their programming and software development skills to an advanced level.

PLO4: Acquire a profound understanding of AI and machine learning techniques as applied to financial data, enabling them to make data-driven decisions at an advanced level.

PLO5: Expertise in integrating payment systems seamlessly into diverse financial applications, reflecting an advanced knowledge level that ensures a user experience of the highest quality.

PROGRAM-SPECIFIC OUTCOMES (PSOs)

The students at the time of graduation will,

PSO1: Demonstrate the ability to employ advanced financial technology knowledge and skills to generate innovative solutions that address complex financial challenges, showcasing their proficiency in creating novel FinTech solutions at an expert level.

PSO2: Exhibit a deep understanding of financial regulations and data privacy principles, applying their advanced knowledge to ensure the development of secure and compliant FinTech solutions, showcasing an expert-level grasp of regulatory and security concepts.

PSO3: Manifest an entrepreneurial mindset, applying their advanced financial technology knowledge to identify and explore new business opportunities, with the capability to initiate and manage their own FinTech ventures, thereby contributing significantly to the expansion and innovation of the FinTech industry, showcasing a profound understanding of entrepreneurship within the financial technology sector.



**DEPARTMENT OF COMMERCE WITH FINTECH
CHOICE BASED CREDIT SYSTEM (CBCS) &
LEARNING OUTCOME BASED CURRICULUM FRAMEWORK (LOCF)**

BACHELOR OF COMMERCE WITH FINTECH – 2024-2027 BATCH ONWARDS

Programme & Branch B Com – FinTech													
Scheme of Examination (Applicable to students admitted during the academic year 2024- 2025 and onwards)													
Semester	Part	Course Code	Title of the Paper	Course category	Instruction hrs/ week	Instruction hrs/ sem	Tutorial	Duration of Examination in hrs	Examination marks				
									CA	ESE	Total	Cred	
I	I	TAM2301A/ HIN2301A/ FRE2301A	Language I Tamil Paper I /Hindi Paper I /French Paper I	L	4	58	2	3	25	75	100	3	
	II	ENG2301A	English Paper I	E	4	58	2	3	25	75	100	3	
	III	CM23C01	Principles of Accounting	CC	5	73	2	3	25	75	100	3	
		FT24C02	FinTech Fundamentals	CC	6	88	2	3	25	75	100	4	
		TH24A07	Mathematics for Commerce	GE	5	73	2	3	25	75	100	4	
		FT24CP1	Financial Modeling using Advanced Excel	CC	4	57	3	3	15	35	50*	2	
	IV	Non Tamil Students											2
		NME23B1/ NME23A1	Basic Tamil I/ Advanced Tamil I	AEC	2	28	2	-	100	-	100		
		Students with Tamil as Language											
		NME23ES	Introduction to Entrepreneurship	AEC	2	30	-	-	100	-	100		
I-V	VI	24BONL1 24BONL2 24BONL3	Online Course 1 Online Course 2 Online Course 3	ACC	-	-	-	-	-	-	-	-	

L-Language

CC – Core Courses

GE – Generic Elective

AEC – Ability Enhancing Course

*** CA conducted for 25 and converted into 15, ESE conducted for 75 and converted into 35**

E-English

CA – Continuous Assessment

ESE - End Semester Examination

ACC – Additional Credit Course

Examination System

One test for continuous assessment will be conducted on pre-determined dates i.e., commencing on the 50th day from the date of reopening. The Model exam will be conducted after completing 85th working days. Marks for ESE and CA with reference to the maximum for the courses will be as follows

23-24 Batch onwards

CA Question Paper Pattern and distribution of marks UG

Language and English

Section A	5 x 1 (No choice)	:	5 Marks
Section B	4 x 5 (4 out of 6)	:	20 Marks (250 words)
Section C	2 x 10 (2 out of 3)	:	20 Marks (500 words)
Total		:	45 Marks

UG - Core and Allied - (First 3 Units)

CA Question from each unit comprising of

One question with a weightage of 2 Marks : $2 \times 3 = 6$

One question with a weightage of 5 Marks (Internal Choice at the same CLO level) : $5 \times 3 = 15$

One question with a weightage of 8 Marks (Internal Choice at the same CLO level) : $8 \times 3 = 24$

Total : 45 Marks

End Semester Examination – Question Paper Pattern and Distribution of

Marks Language and English – UG

Section A	10 x 1 (10 out of 12) :	10 Marks
Section B	5 x 5 (5 out of 7) :	25 Marks (250 words)
Section C	4 x 10 (4 out of 6) :	40 Marks (600 - 700 words)
Total		75 Marks

UG - Core and Allied courses:

ESE Question Paper Pattern: $5 \times 15 = 75$ Marks

Question from each unit comprising of

One question with a weightage of 2 Marks: $2 \times 5 = 10$

One question with a weightage of 5 Marks (Internal Choice at the same CLO level): $5 \times 5 = 25$

One question with a weightage of 8 Marks (Internal Choice at the same CLO level): $8 \times 5 = 40$

ESE Question Paper Pattern : (for Accounts Papers viz., Principles of Accounting, Financial Accounting, Corporate Finance, Business Finance, Management Accounting, Direct Taxation, Cost Accounting) 5 x 15 = 75 Marks

Question from each unit comprising of

One question with a weightage of 2 Marks : 2 x 5 = 10
One question with a weightage of 5 Marks : 5 x 5 = 25
One question with a weightage of 8 Marks (Internal Choice at the same CLO level) : 8 x 5 = 40

Continuous Internal Assessment Pattern Theory

I Year UG (2024 Batch)

CIA Test	: 5 marks (conducted for 45 marks after 50 days)
Model Exam	: 7 marks (Conducted for 75 marks after 85 days (Each Unit 15 Marks))
Seminar/Assignment/Quiz :	5 Marks
Class Participation :	5 marks
Attendance :	3 marks
Total	: 25 Marks

Part IV

Women Studies / Value education / Environmental Studies / Design Thinking

Quiz	:	50 marks
Assignment	:	25 marks
Project / Case study	:	25 marks
Total	:	100 Marks

MAPPING OF PLOs WITH CLOs

COURSE LEARNING OUTCOMES	PROGRAMME LEARNING OUTCOMES				
	PLO1	PLO2	PLO3	PLO4	PLO5
COURSE- CM23C01					
CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	M	S	M	S
CLO2	S	M	S	M	M
CLO3	S	M	M	M	M
CLO4	S	M	S	M	S
COURSE- FT24C02					
CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	M	M	S	M
CLO3	S	S	M	M	M
CLO4	S	S	S	S	M
COURSE- FT24PR1					
CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	M	S	M	S	S

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
CM23C01	PRINCIPLES OF ACCOUNTING	Theory	73	2	-	3

Preamble

To enable the students to apply the conceptual principles and to develop an expertise in handling accounts of business entities and the consolidation of accounts through appropriate accounting techniques and policies.

Prerequisite

- Basic Knowledge in Financial Statements

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
CLO1	Define the concepts and conventions in accounting.	K1
CLO2	Interpret accounting statement using basic concepts.	K2
CLO3	Apply the procedures of recording transactions and preparation of Reports.	K3
CLO4	Articulate the accounting concepts to interpret the performance of a Firm.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	M	S	M	S
CLO2	S	M	S	M	M
CLO3	S	M	M	M	M
CLO4	S	M	S	M	S

S- Strong; M-Medium; L-Low

Syllabus

Unit I (14 Hrs)

Basic Accounting Concepts (AS-1) - Rectification of errors - Final Accounts - Bank Reconciliation Statement.

Unit II (14 Hrs)

Average due date - Bills of exchange (trade bills only) - Joint Venture (AS-27).

Unit III (15 Hrs)

Departmental Accounts - Basis for allocation of expenses. Branch Accounts (Dependent Branches - Debtors and Stock & Debtors System - Independent Branches only).

Unit IV (15 Hrs)

Hire purchase Accounts: Default and Repossession - Hire Purchase Trading Account - Installment purchase system.

Unit V (15 Hrs)

Depreciation (excluding change in method of depreciation) - Investment Account (AS-13).

TextBook

S. No	Authors	Title	Publishers	Year of Publication & Edition
1.	Reddy T S & A Murthy	Financial Accounting	Margham Publications	Reprint 2021 edition

Reference Books

S. No	Authors	Title	Publishers	Year of Publication & Edition
1.	RL Gupta & Radhasamy	Advanced Accountancy (Vol I)	Sultan Chand & Sons.	2018, 13 th ed.
2.	Jain S.P & Narang K.L	Principles of Accountancy	Kalyani Publishers	2018, 2022 ed
3.	MC Shukla, T.S. Grewal & S.C. Gupta	Advanced Accountancy	S. Chand & sons	2016 ed

Skill Components

- Identifying concepts and conventions adopted by a firm in their financial statement.
- Study a firm's financial statement and present a report on the accounting policies followed.
- To calculate the due date and amount on discounting of bills for a firm.
- Analyzing the financial statement of a hire purchase company and present a report on the collection system.

Course Designers

1. Dr. S. Sujatha, Assistant Professor, Department of Commerce
2. Dr. G. Indrani, Assistant Professor, Department of Commerce

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
FT24C02	FINTECH FUNDAMENTALS	Theory	88	2	-	4

Preamble

- To introduce the students to the dynamic and transformative world of financial technology

Prerequisite

- Basic knowledge in Technological aspects of Finance

Course Learning Outcomes

- On the successful completion of the course, students will have foundational understanding of the key principles and trends in FinTech

CLOs	CLO Statement	Knowledge Level
CLO1	To trace the evolutionary journey of financial technology	K1
CLO2	To explain the impact of financial technology on financial services	K2
CLO3	To provide an understanding of the technical intricacies of financial technology	K4
CLO4	To take stock of the technological trends sweeping the financial services sector	K3

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	M	M	S	M
CLO3	S	S	M	M	M
CLO4	S	S	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

Unit I (18 Hrs)

Introduction to FinTech: –An Understanding – Definition– History and Evolution – FinTech Ecosystem –recent developments– FinTech Market trends in India – Types of FinTech – Benefits. FinTech’s key growth drivers – Challenges. **Fintech Hubs:** Introduction –purpose–Financial Hub – FinTech revolution in India – Top Global FinTech Hubs –Emerging FinTech Hubs. **Crypto Currencies:** Introduction–Outline – Major types–legal position of Cryptocurrencies in India.

Unit II (17 Hrs)

Artificial Intelligence and Fintech: Introduction -AI and FinTech – Global Artificial Intelligence (AI) in FinTech Market Overview –Market Segmentation – AI Changing the Financial Services Industry –Opportunities – Applications of Artificial Intelligence in FinTech. **Machine Learning and Fintech:** Introduction – Characteristics– Need– Significance– Machine Learning in Finance – Functions– Advantages for Accounting and Finance – Use cases– Benefits. **Process Automation (RPA) and Fintech:** Introduction – RPA in Banking –Advantages in Banking and Finance – Financial Data Analytics – Data Science and Big data in Finance –challenges.

Unit III**(18 Hrs)**

Digital Lending: Introduction –Landscape of Digital Lending – Development –outlook for SME Financing – Ecosystem Funding – Crowd Finance – Payment and Retail Business – Digitalization of Financial Services – Benefits of Digitalization in Retail Banking and Corporate Banking. **Robotic Digital Payments:** Introduction – Forms of Digital Payments – Advantages of Digital Payments – Cashless / Cash-free society – DFS Ecosystem – Use cases– Developing countries and DFS – The story of mobile money – RTGS Networks – RTGS Transaction benefits.

Unit IV**(17 Hrs)**

Fintech Business Models: Introduction – FinTech Business Model –FinTech Business Models in India – Benefits– FinTech’s contribution in Financial Inclusion and Financial Integration – Government Regulation. **The Future of Fintech:** Introduction – FinTech landscape in India – Forces shaping the Future – Key trends– Growth– Future of Financial Services – The rise of Bank Tech –impact on retail Banking – Ethics in FinTech – FinTech and the Digital lending – Transformation – The future of SME lending – Funding Ecosystem – Crowd Funding – Payments and Retail Transactions –Digitalization – Impact– The Standards and best practices in Cyber Security Business.

Unit V**(18 Hrs)**

Effects of Fintech on Various Sectors: Introduction – The implications of FinTech on Payment Innovations, Real Estate – The effects of FinTech on Insurance Sector – The effects of FinTech on Capital Markets. **RegTech:** Introduction – Key technologies– RegTech in Financial Services – Data Privacy and security–applications in Healthcare – Automated compliance reporting –adoption channels – RegTech and Financial Inclusion – Global regulatory and RegTech. **The future of RegTech:** Trends and Innovations. **FinTech Regulations:** Introduction- Government Initiatives transforming India’s Financial Landscape – Security and Privacy in FinTech-Data Protection Laws & Regulations.

Text Book

S.No.	Author Name	Title of the book	Publisher	Year and edition
1	Dheenadhayalan.V, Vijai.C	FinTech	Vijay Nicole Imprints Pvt Ltd	2024 Edition
2	Arner D., Barbers J., Buckley R	The evolution of FinTech: a new post crisis paradigm	University of New South Wales Research Series	2015 Edition
3	Susanne Chishti, Janos Barberis	The FINTECH Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries	Wiley Publications	2016 Edition

Reference Books

S.No.	Author Name	Title of the book	Publisher	Year and edition
1	Richard Hayen	FinTech: The Impact and Influence of Financial	Create space Independent Pub	2016 Edition

		Technology on Banking and the Finance Industry		
2	Parag Y Arjunwadkar	FinTech: The Technology Driving Disruption in the financial service industry	CRC Press	2018 Edition
3	Sanjay Phadke	Fintech Future : The Digital DNA of Finance	Sage Publications	2020 Edition

Skill Components

- Analyze real-world case studies of FinTech applications in the payment and lending industries. Evaluate their success and impact on traditional financial services.
- Research and present on the evolution of FinTech, its impact on the financial industry, and the main FinTech hubs around the world.
- Analyze real-world case studies of FinTech applications in the payment and lending industries. Evaluate their success and impact on traditional financial services.
- Explore various technologies, such as cloud computing, IoT, and blockchain. and to create a simple FinTech application or analyse how these technologies can be integrated into financial services.
- To analyze the regulatory and policy environment in different countries and assess how it affects the growth of FinTech.

Course Designers

1. Dr. B. Thulasi Priya, Assistant Professor, Department of Commerce
2. Dr. M. Rajarajeswari, Assistant Professor, Department of Commerce

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
FT24CP1	Financial Modeling using Advanced Excel	Practical	-	3	57	2

Preamble

- To acquire hands-on experience in automating accounting tasks, promoting efficiency, and reducing errors

Prerequisite

- No prerequisite required

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
CLO1	Combine and arrange data from different perspectives into a single location of database to edit for writing codes	K1
CLO2	To develop efficient, accurate, flexible modules that allows for easy collaboration to analyze large data sets efficiently	K2
CLO3	Master the Creation, manipulation and Customization of Pivot Tables for the organizations.	K3
CLO4	Provide a Comprehensive view of organization's financial performance aiding for strategic decision-making.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	M	S	M	S	S

S-Strong; M-Medium; L-Low

Syllabus

Advance Excel:

1. Calculation of total, average of semester marks using auto sum.
2. Calculation of Mean, Median, Mode, Standard Deviation and Correlation
3. Formatting, editing excel worksheet and copying the contents to different sheets.
 - a. Change font as bold, Arrange the alignment as center, Rename the sheet, insert a new sheet, move a sheet.
 - b. Delete a sheet, Hide/unhide columns, Change column width, Usage of sorting option for the "Name" field, Usage of filter for the field "City" and "Salary", Wraptext and Shrink to fit.
4. Preparation of Diagram and graphs and Break-even chart
5. Creating Pivot Table to analyses sales report using Advance Filter with Multi Criteria

6. Creation of trend line to estimate share price using the functions Graph and Trend setting basic concepts related with user defined Macros by automating and recording Macros working with Multiple Sheet Data to fetch and compare values by using Vlookup and other Lookup Functions
7. Prepare a Data Table for a costing and pricing analysis Perform the What if analysis commands goal seeks and Scenario Manager

Creation of templates using financial models:

1. Final Accounts
Functions to be used: Data validation, Audit Toolbar, 'fx' – functions, Conditional Formatting, Combo Boxes, Controls, Scenarios, Goal Seek, Auto Correct.
Expected Output: Statement of Profit and Loss and Balance Sheet.
2. Ratio Analysis
Input: Trial Balance
Functions to be used: Scenarios
Expected Output: Ratios with highlights (good or bad)
3. Preparation of Income Statement
Input: Receipts & Payments
Functions to be used: Data validation, Audit Toolbar, 'fx' – functions, Conditional Formatting, Combo Boxes, Controls, Scenarios, Goal Seek, Auto Correct.
Expected Output: Income Statement
4. Time Value of Money
Functions to be used: FV, NPER, PMT, PV, TYPE,
Expected Output: NPV, IRR, ROI
5. Designing Capital Structure
Input: Summarized Income Statement
Functions to be used: Goal Seek
Expected Output: EPS, EPS growth rate.
6. Inventory Management
Input: Inventory Data
Functions to be used: Scenarios
Expected Output: EOQ, Max level, Min level, Graph.
7. Cash flow Estimation
Input: Cash flows
Functions to be used: Auto correct
Expected Output: Cash Budget
8. Leverage
Input: Various Cost
Functions to be used: Goal Seek
Expected Output: DOL, DFL and DCL; BEP graph.

Course Designers

1. Dr. G. Kavitha, Assistant Professor, Department of Commerce
2. Dr. B. Thulasi Priya, Assistant Professor, Department of Commerce

DEPARTMENT OF B.COM (FINTECH)

**CHOICE BASED CREDIT SYSTEM & LEARNING OUTCOME BASED
CURRICULUM FRAMEWORK (LOCF)**

B.COM (FINTECH)

2024–2027 BATCH

SEMESTER II

PROGRAMMING LEARNING OUTCOMES (PLOs)

After completion of the programme, the student will be able to,

PLO1: Exhibit advanced proficiency in the field of financial data analysis, including sophisticated modeling techniques and automation, showcasing an expert-level understanding and application of financial analysis.

PLO2: Demonstrate mastery in the development and management of Block Chain applications, underscoring their expert-level expertise in distributed ledger technology.

PLO3: Achieve proficiency in designing and developing FinTech applications, thereby enhancing their programming and software development skills to an advanced level.

PLO4: Acquire a profound understanding of AI and machine learning techniques as applied to financial data, enabling them to make data-driven decisions at an advanced level.

PLO5: Expertise in integrating payment systems seamlessly into diverse financial applications, reflecting an advanced knowledge level that ensures a user experience of the highest quality.

PROGRAM-SPECIFIC OUTCOMES (PSOs)

The students at the time of graduation will,

PSO1: Demonstrate the ability to employ advanced financial technology knowledge and skills to generate innovative solutions that address complex financial challenges, showcasing their proficiency in creating novel FinTech solutions at an expert level.

PSO2: Exhibit a deep understanding of financial regulations and data privacy principles, applying their advanced knowledge to ensure the development of secure and compliant FinTech solutions, showcasing an expert-level grasp of regulatory and security concepts.

PSO3: Manifest an entrepreneurial mindset, applying their advanced financial technology knowledge to identify and explore new business opportunities, with the capability to initiate and manage their own FinTech ventures, thereby contributing significantly to the expansion and innovation of the FinTech industry, showcasing a profound understanding of entrepreneurship within the financial technology sector.



DEPARTMENT OF B.COM (FINTECH)
CHOICE BASED CREDIT SYSTEM &
LEARNING OUTCOME BASED CURRICULAR FRAMEWORK(LOCF)
& SCHEME OF EXAMINATION
B.COM (FINTECH) – 2024-2027 BATCH

Programme & Branch B Com – FinTech												
Scheme of Examination (Applicable to students admitted during the academic year 2024- 2025 Batch)												
Semester	Part	Course Code	Title of the Course	Course Type	Instruction hours/ week	Instruction hours/ sem	Tutorial hrs /sem	Duration of Examination in hrs	Examination marks			Credits
									CA	ESE	Total	
II	I	TAM2302A/ HIN2302A/ FRE2302A	Tamil Paper II Hindi Paper II French Paper II	L	4	58	2	3	25	75	100	3
	II	ENG2302A	English Paper II	E	4	58	2	3	25	75	100	3
	III	FT24C03	Principles of Management	CC	4	58	2	3	25	75	100	3
		CM23C04	Financial Accounting	CC	5	73	2	3	25	75	100	3
		FT24C05	Analytics for Finance	CC	3	43	2	3	25	75	100	2
		FT24CP2	Financial Analysis and Visualisation	CC	3	45	-	3	15	35	50*	2
		TH24A16	Statistics for Commerce	GE	5	73	2	3	25	75	100	4
		NME23B2 / NME23A2*	Basic Tamil II / Advanced Tamil II	AEC	SS	---	--	----	---	--	100	Gr
	IV	NM24UHR	Universal Human Values and Human Rights	AECC	2	30	-	--	10 0	--	100	2
I-II	V	NM23GAW	General awareness	GL	--	---	-	--	100	--	100	Gr
I-IV	VI	COM15SER	Community Services 30 Hours	GC	-	-	-	-	-	-	-	-
I-V	VI	24BONL1 24BONL2 24BONL3	Online Course 1 Online Course 2 Online Course 3	ACC	-	-	-	-	-	-	-	-

* After Class hours * CA conducted for 25 and converted into 15, ESE conducted for 75 and converted into 35

CA – Continuous Assessment

L-Language

E-English

CC – Core Courses

GE – Generic Elective

AEC – Ability Enhancement Course

ESE - End Semester Examination

GC – General Course

AECC – Ability Enhancement Compulsory Course

SS – Self Study

ACC - Additional Credit Course

Examination System

One test for continuous assessment will be conducted on pre-determined dates i.e., commencing on the 50th day from the date of reopening. The Model exam will be conducted after completing 85th working days. Marks for ESE and CA with reference to the maximum for the courses will be as follows

23-24 Batch onwards

CA Question Paper Pattern and distribution of marks

UG Language and English

Section A	5 x 1 (No choice)	:	5 Marks
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Total		:	45 Marks

UG - Core and Allied - (First 3 Units)

CA Question from each unit comprising of

One question with a weightage of 2 Marks : 2 x 3 = 6

One question with a weightage of 5 Marks (Internal Choice at the same CLO level) : 5 x 3 = 15

One question with a weightage of 8 Marks (Internal Choice at the same CLO level) : 8 x 3 = 24

Total : 45 Marks

End Semester Examination – Question Paper Pattern and Distribution of

Marks Language and English – UG

Section A	10 x 1 (10 out of 12)	10 Marks
Section B	5 x 5 (5 out of 7)	25 Marks (250 words)
Section C	4 x 10 (4 out of 6)	40 Marks (600 - 700 words)
Total		75 Marks

UG - Core and Allied courses:

ESE Question Paper Pattern: 5 x 15 = 75 Marks

Question from each unit comprising of

One question with a weightage of 2 Marks: 2 x 5=10

One question with a weightage of 5 Marks (Internal Choice at the same CLO level): 5 x 5 =25

One question with a weightage of 8 Marks (Internal Choice at the same CLO level): 8 x 5 =40

ESE Question Paper Pattern : (for Accounts Papers viz., Principles of Accountancy, Financial Accounting, Corporate Accounting I, Corporate Accounting II, Management Accounting, Direct Taxation, Cost Accounting) 5 x 15 = 75 Marks

Question from each unit comprising of

One question with a weightage of 2 Marks : 2 x 5=10

One question with a weightage of 5 Marks : 5 x 5 =25

One question with a weightage of 8 Marks : 8 x 5 =40

(Internal Choice at the same CLO level)

Continuous Internal Assessment Pattern Theory

I Year UG (2024 Batch)

CIA Test	:	5 marks (conducted for 45 marks after 50 days)
Model Exam	:	7 marks (Conducted for 75 marks after 85 days (Each Unit 15 Marks))
Seminar/Assignment/Quiz	:	5 marks
Class Participation	:	5 marks
Attendance	:	3 marks
Total	:	25 Marks

Part IV

Women Studies /Value education/Environmental Studies / Design Thinking

Quiz	:	50 marks
Assignment	:	25marks
Project / Case study	:	25 marks
Total	:	100 Marks

MAPPING OF PLOs WITH CLOs

COURSE	PROGRAMME LEARNING OUTCOMES				
	PLO1	PLO2	PLO3	PLO4	PLO5
COURSE - FT24C03					
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	S	S	S	M	S
CLO4	S	S	M	S	S
COURSE - CM23C04					
CLO1	S	S	M	M	S
CLO2	S	S	M	M	S
CLO3	S	S	S	S	M
CLO4	S	S	S	S	M
COURSE - FT24C05					
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	S	S	S	M	S
CLO4	S	S	M	S	S
COURSE - FT24CP2					
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	S	S	S	M	S
CLO4	S	S	M	S	S

COURSE CODE	COURSE NAME	CATEGORY	L	T	P	CREDIT
FT24C03	PRINCIPLES OF MANAGEMENT	Theory	58	2	-	3

Preamble

- To provide the students with an understanding of the basic principles of management
- To identify the functional areas of business to pursue careers in management with ethics
- To acquaint with the basic principles of management, ethics, communication techniques and leadership skills

Prerequisite

- Basic Knowledge on Business Management

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
CLO1	Identify the fundamental concepts and principles of management including the basic roles and responsibilities.	K1
CLO2	Understand the management functions viz., planning, organizing, staffing, directing, controlling etc.	K2
CLO3	Interpret the management process and decision making in management functions	K3
CLO4	Analyze the theories and practical applications of management concepts	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	S	S	S	M	S
CLO4	S	S	M	S	S

S-Strong; M-Medium; L-Low

Syllabus

Unit I (12 Hours)

Management: Definition - Nature and Scope - Functions - Managerial Skills - Levels of Management – Roles and Skills of a Manager - Contributions by Henry Fayol, FW Taylor, Peter F Drucker, McGregor, Elton Mayo - Management as a Science, Art, Profession - Management and Administration – Principles of Management.

Unit II (11 Hours)

Planning: Meaning – Nature – Importance - Purpose of Planning - Planning Process - Advantages and Limitations - Types of Plans - Objectives - Policies - Strategies - Procedures - Programmes - Obstacles to Effective Planning. Management by Objective (MBO). **Decision Making:** Steps in Decision Making - Role of MIS for Decision Making. MBO - MBE- Policy and Strategy

Unit III (12 Hours)

Organization: Meaning - Nature and Importance-Process of Organization- Organization Structure- Organization Chart - Organization Manuals- Types of Organization. **Departmentation:** Span of Management - Authority – Responsibility – Accountability - Power- Delegation- Centralization- Decentralization. #case study

Unit IV (11 Hours)

Directing: Functions. **Leadership:** Meaning – Importance - Functions of Leadership - Leadership Styles - Qualities of a Good Leader- Theories and Approaches to Leadership. **Coordination:** Meaning – Definition - Meaning - Techniques of Co-ordination. Management by Exception [MBE]. #case study

Unit V (12 Hours)

Control: Meaning - Nature - Importance- Process & Techniques of Control. **Staffing** - Introduction - Concept of Staffing- Staffing Process – Recruitment – Sources of Recruitment – Modern Recruitment Methods - Selection Procedure – Test- Interview. **Objectives and Social Responsibilities of Business:** Objectives of Business-Economic-Socio economic- Social and Human Objectives

Text Books

S.No	Authors	Title	Publishers	Year of Publication & Edition
1	R.K.Gupta & Shasi K Gupta	Principles of Management	Kalyani Publishers	2020 Reprint

Reference Books

S.No	Authors	Title	Publishers	Year of Publication & Edition
1	Dinkar Pagre	Principles of Management	Sultan Chand & Sons	2018 Reprint
2	PC Tripathi & PN	Principles of	Tata Mc Graw Hill	2017 edition

	Reddy	Management	Publishing Co Ltd	
3	Robbins, De Cenzo, & Coulter	Fundamentals of Management	Pearson Education Ltd	2017 edition

Skill Component

- Construct a standing plan for a new business venture
- Demonstrate different leadership styles through role play
- Study the ethical practices followed in the organization
- Select any one company and prepare SWOT analysis
- Prepare a report of CSR activities followed in an organisation
-

Pedagogy

Lecture, PPT, Assignment, Seminar, Group Discussion, Activity based Learning

Course Designers

1. Dr. L. Nithya, Assistant Professor, Department of Commerce
2. Ms. K. Pavithra, Assistant Professor, Department of Commerce

COURSE CODE	COURSE NAME	CATEGORY	L	T	P	CREDIT
CM23C04	FINANCIAL ACCOUNTING	Theory	73	2	-	3

Preamble

- To enable the students to apply the conceptual principles in financial Accounting
- To develop an expertise in handling the accounts and thereby to increase their level of understanding about the financial statements relating to partnership firms, insurance claims & insolvency.
- To enhance knowledge in partnership, insurance and insolvency accounting

Prerequisite

Basic Knowledge in accountancy

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
CLO1	Define the concepts of Partnership Firms, Fire Insurance Claims and Insolvency Accounts	K1
CLO2	Describe the accounting treatment of Partnership Firms, Fire Insurance Claims and Insolvency Accounts	K2

CLO3	Apply the procedures related to partnership firms, calculation of insurance claims and Insolvency Accounts	K3
CLO4	Analyze and prepare financial accounts for partnership firms in different situations, Insurance claims and Insolvency Accounts	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	M	M	S
CLO2	S	S	M	M	S
CLO3	S	S	S	S	M
CLO4	S	S	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

Unit I (15 Hrs)

Partnership Accounts: Division of Profits – Fixed & Fluctuating Capital – Past Adjustments – Guarantee of Profits – Admission of a partner - **Limited Liability Partnership:** Introduction- Definition – LLP Act 2008 - Features – Advantages and Disadvantages (Theory Only)

Unit II (14Hrs)

Retirement of a Partner: Retirement Cum Admission -Death of a partner- Joint Life Policy – Accounting Treatment

Unit III (15Hrs)

Dissolution of a Firm: Insolvency– Rule in Garner Vs Murray – Piece –Meal Distribution.(Maximum Loss Method only).Sale of Partnership to a Limited Company.

Unit IV (15Hrs)

Fire Insurance Claims: Computation of Claim for Loss of Stock and loss of profit (excluding normal & abnormal loss)

Unit V (14Hrs)

Insolvency Accounts: Relevant Act- Statement of Affairs – Deficiency Accounts - The Insolvency & Bankruptcy code 2016

Text Books

S.No	Authors	Title	Publishers	Year of Publication & Edition
1	Reddy T.S & A. Murthy	Financial Accounting	Margham Publication	2023

Reference Books

S.No	Authors	Title	Publishers	Year of Publication & Edition
1	RL Gupta & Radhaswamy	Advanced Accountancy	Sultan Chand & Sons	2018, 13 th edition

2	Jain S.P & Narang K.L	Principles of Accountancy	Kalyani Publishers	2018
3	MC.Shukla,T.S Grewal & S.C. Gupta	Advanced Accountancy	S Chand & Sons	2019

Skill Component

- Working on practical aspects of admission and retirement with partners' capital
- Preparation of partnership deed with important terms and conditions
- Preparation of deficiency statement for a real time partnership firm
- Calculation of Insurance claims for real time losses
- Case study analysis on Insolvency and Bankruptcy code

Pedagogy

Lecture, PPT, Assignment, Seminar, Group Discussion, Activity based Learning

Course Designers:

1. Dr. S. Sujatha, Department of Commerce
2. Dr. L. Nithya, Department of Commerce

COURSE CODE	COURSE NAME	CATEGORY	L	T	P	CREDIT
FT24C05	ANALYTICS FOR FINANCE	Theory	43	2	-	2

Preamble

- To understand the applications of analytics in the area of finance
- To identify the functional areas of Data analytics tools

Prerequisite

- Basic Knowledge on the fundamentals of FinTech

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
CLO1	Demonstrate understanding of a business problem, articulate and convert it into a viable Analytics	K1
CLO2	Apply Data visualization for exploratory analysis and communicate effectively to diverse audience.	K2
CLO3	Analyze a business problem using the most appropriate data mining technique.	K3
CLO4	Apply regression for addressing financial problem	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	S	S	S	M	S
CLO4	S	S	M	S	S

S- Strong; M-Medium; L-Low

Syllabus

Unit I (9 Hours)

Introduction to Analytics: Data – Information – Intelligence – Knowledge Approach, Types of Analytics, Types of Digital Data, Source of Data, Importance of Data Quality, Looking Data from many perspective, evolution of Business Analytics and Role of DSS, EIS and Digital Dashboards, Business Analytics Tools and Software, Role of Business Analyst in Business & Society, Business Analytics Process, Business Analytics Architecture & Framework.

Unit II (8 Hours)

Data Warehouse & Data Mining: Introduction to OLTP and OLAP, Data Mart, Data Lake, Data Warehouse Architecture & Data Warehouse Design, Extract Transform Load (ETL), Data Mining Concepts, Architectural aspects of Data Mining, Data Mining Techniques, Data Mining & Big Data application in Business.

Unit III (9 Hours)

Application of Analytics: Analytics in Business Support Functions, Analytics in Industries – Telecom, Retail, Healthcare, Governance, Supply Chain, Marketing, Finance, Retail & Human Resource, Sports Analytics, Social Media Analytics, Social Networking Analytics, Recommendation Systems.

Unit IV (8 Hours)

Business Analytics Tool (TABLEAU) Introduction to Business Intelligence, Components of BI architecture, Querying Data, Data Reporting and Visualization Tools, Tableau - Introduction, Interface, Connecting to Data, Descriptive Analytics – Bar charts, Scatterplots, Histogram, Geographical Maps, Heatmaps, Pareto Charts, Swap Axis, Dual Axis, Word Cloud, Waterfall Chart, Dynamic Control Charts, Actions – Sort, Hierarchy, Filters, Calculations – Numeric Calculations, String Calculations, Date Calculations, Building Storyboards, Data Analysis Techniques to generate insights, Case Studies

Unit V (9 Hours)

Dashboard (Power BI): Overview of Power BI Desktop, Data Sources in Power BI Desktop, Connecting to a data Sources, Query Editor in Power BI, Clean and Transform your data with Query Editor, Create calculated tables and measures, Combining Data – Merging and Appending, Cleaning irregularly formatted data, Visual Analytics with PowerBI, Navigation Hierarchy and Aggregation, Refining and Transforming Visualizations, Modeling Data and Managing Data Relationship, Dashboarding with PowerBI.

Text Books

S.No	Authors	Title	Publishers	Year of Publication & Edition
1	R.N Prasad & Seema Acharya	Fundamentals of Business Analytics	Wiley India Ltd	2018 Second Edition
2	Dinesh Kumar .U	Business Analytics- The Science of Data Driven Decision Making	The Wiley Publication	2017

Reference Books

S.No	Authors	Title	Publishers	Year of Publication & Edition
1.	James Evans	Business Analytics	Pearson Publishers	2016 – 2 nd Edition
2	Jiawei Han and Michelin Kamber	Data Mining: Concepts and Techniques	Morgan Kaufmann Publication	2015

Skill Component

- Preparation of Charts for Financial Data analytics
- Case Studies on Credit Risk Analytics
- Time Series Analysis
- Cross – Sell or Up –Sell & Customer Life Time Value Analytics in Marketing
- Prediction of Job Attrition in HR and Talent Analytics

Course Designers

1. Dr. M. Raja Rajeswari, Assistant Professor, Department of Commerce
2. Dr. B. Thulasi Priya, Assistant Professor, Department of Commerce

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
FT24CP2	FINANCIAL ANALYSIS AND VISUALISATION	Practical	-	3	42	2

Preamble

- To analyse financial statements using spreadsheet and visualize the reports through respective tools

Prerequisite

- No prerequisite

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
CLO1	Apply data cleaning and preparation techniques for financial analysis	K1
CLO2	Demonstrate financial models in spreadsheet	K2
CLO3	Understand visualization interface and learn how to import data	K3
CLO4	Construct financial dashboards and create basic visualisation	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	S	S	S	M	S
CLO4	S	S	M	S	S

S- Strong; M-Medium; L-Low

SPREADSHEET

1. Financial Statement Analysis
 - Import a sample income statement and balance sheet.
 - Calculate key financial ratios (e.g., current ratio, debt-to-equity ratio).
 - Create a historical trend analysis for revenue and expenses.
2. Budgeting and Forecasting
 - Develop a budget for a hypothetical company, including revenue and expenses.
 - Create a sensitivity analysis by changing variables to see their impact on the budget.
3. Data Cleaning and Preparation
 - Clean and format raw financial data for analysis.
 - Perform data validation and error-checking procedures.
4. Time Series Analysis
 - Use historical stock price data to calculate moving averages and trend lines.
 - Create a stock price chart with annotations.
5. Valuation Models
 - Build a discounted cash flow (DCF) model to value a company.
 - Run a sensitivity analysis on key DCF inputs.

USING DATA VISUALIZATION TOOLS (TABLEAU AND POWER BI)

6. Data Connection
 - Connect Tableau or Power BI to a financial dataset.
 - Define relationships between tables and create a data model.
7. Financial Dashboards
 - Design a financial dashboard with key performance indicators (KPIs).
 - Implement interactive filters and parameters.
8. Trend Analysis
 - Create a time-series visualization of revenue and expenses over multiple years.
 - Implement drill-down capabilities to view data at different levels of detail.
9. Comparative Analysis
 - Generate a comparative analysis between multiple companies' financial data.
 - Utilize slicers and cross-highlighting in your visualization.
10. Scenario Analysis
 - Develop a scenario analysis dashboard for investment decisions.
 - Allow users to adjust variables and immediately see the impact on financial outcomes.

Course Designers

1. Dr. M. Raja Rajeswari, Assistant Professor, Department of Commerce
2. Dr. B. Thulasi Priya, Assistant Professor, Department of Commerce



DEPARTMENT OF B COM (FINTECH)

**CHOICE BASED CREDIT SYSTEM &
LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (LOCF)**

**BACHELOR OF COMMERCE (FINTECH)
2024–2027 BATCH**

BACHELOR OF COMMERCE WITH FINTECH

**CHOICE BASED CREDIT SYSTEM (CBCS) &
LEARNING OUTCOME BASED CURRICULUM FRAMEWORK (LOCF)
SYLLABUS AND SCHEME OF EXAMINATION**

2024-2027 BATCH

SEMESTER III

Semester	Part	Course Code	Title of Course	Course Type	Instruction hours	Contact hours	Tutorial	Duration of	Examination Marks			Credits
									CA	ESE	Total	
III	I	TAM2303A/ HIN2303A/ FRE2303A	Tamil Paper III/ Hindi Paper III/ French Paper III	L	4	58	2	3	25	75	100	3
	II	ENG2403A	English Paper III	E	4	58	2	3	25	75	100	3
	III	BP24C05	Fundamentals of Corporate Accounting	CC	5	73	2	3	25	75	100	4
	III	FT24C06	Blockchain Management	CC	4	58	2	3	25	75	100	3
	III	FT24A01/ FT24A02/ FT24A03	Indian Economic Development and Policy/ EXIM Procedure & Documentation/ Office Management and Secretarial Practice/	GE	5	73	2	3	25	75	100	4
III	III	FT24CP3	Simple Blockchain Application – Digital ledger Practical	CC	3	45	-	3	15	35	50	3
	III	FT24SBP1	Automating Python for Accounting	SEC	3	41	4	-	100	-	100	3
III	IV	NM23DTG	Design Thinking	AEC	2	30	-	-	100	-	100	2
I – III	VI	COM15SER	Community Services/ 30 Hours	GC	-	-	-	-	-	-	-	-
I – V	VI	24BONL1 24BONL2 24BONL3	Online Course I Online Course II Online Course III	ACC	-	-	-	-	-	-	-	-

*** CA conducted for 25 and converted into 15, ESE conducted for 75 and converted into 35**

L – Language

ACC - Additional Credit Course

CC - Core Courses

GE - Generic Elective

SEC- Skill Enhancement Course

E – English

GC – General Course

CA - Continuous Assessment

ESE - End Semester Examination

AEC - Ability Enhancement Course

Examination System

One test for continuous assessment will be conducted on pre-determined dates i.e., commencing on the 50th day from the date of reopening. The Model exam will be conducted after completing 85th working days. Marks for ESE and CA with reference to the maximum for the courses will be as follows

CA Question Paper Pattern and distribution of marks UG Language and English

Section A	5 x 1 (No choice)	:	5 Marks
Section B	4 x 5 (4 out of 6)	:	20 Marks (250 words)
Section C	2 x 10 (2 out of 3)	:	20 Marks (500 words)
Total			45 marks

Marks UG- Core and Allied - (First 3 Units)

CA Question from each unit comprising of

One question with a weightage of 2 Marks : $2 \times 3 = 6$

One question with a weightage of 5 Marks

(Internal Choice at the same CLO level) : $5 \times 3 = 15$

One question with a weightage of 8 Marks

(Internal Choice at the same CLO level) : $8 \times 3 = 24$

Total: 45 Marks

End Semester Examination – Question Paper Pattern and Distribution of Marks Language and English – UG

Section A	10 x 1 (10 out of 12)	:	10 Marks
Section B	5 x 5 (5 out of 7)	:	25 Marks (250 words)
Section C	4 x 10 (4 out of 6)	:	40 Marks (600 - 700 words)
Total			75 Marks

UG - Core and Allied courses:

ESE Question Paper Pattern: $5 \times 15 = 75$ Marks

Question from each unit comprising of

One question with a weightage of 2 Marks: $2 \times 5 = 10$

One question with a weightage of 5 Marks

(Internal Choice at the same CLO level) : $5 \times 5 = 25$

One question with a weightage of 8 Marks
(Internal Choice at the same CLO level) : $8 \times 5 = 40$

ESE Question Paper Pattern :(for Accounts Paper) 5 x 15 = 75 Marks

Question from each unit comprising of

One question with a weightage of 2 Marks : $2 \times 5 = 10$

One question with a weightage of 5 Marks: $5 \times 5 = 25$

One question with a weightage of 8 Marks
(Internal Choice at the same CLO level) : $8 \times 5 = 40$

Continuous Internal Assessment Pattern Theory

CIA Test	:	5 marks (conducted for 45 marks after 50 days)
Model Exam	:	7 marks (Conducted for 75 marks after 85 days (Each Unit 15 Marks))

Seminar/Assignment/Quiz	:	5 marks Class
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Participation	:	5 marks
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Attendance	:	3 marks
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Total	:	25 Marks
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Practical

Lab Performance	:	7 Marks
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Regularity	:	5 Marks
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Model Exam	:	10 Marks
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Attendance	:	3 Marks
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Total	:	25 Marks
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Skill Based Practical Courses

Test I	:	30 Marks (Conducted for 50 marks and Converted to 30 Marks)
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Test II	:	50 Marks
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Lab Performance	:	10 Marks
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Regularity	:	10 Marks
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Total	:	100 Marks
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Design Thinking

Quiz	:	50 Marks
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Assignment	:	25 Marks
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Project / Case study	:	25 Marks
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Total	:	100 Marks
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Attendance Marks

91 – 100%	:	3 Marks
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81 – 90 %	:	2 Marks
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75 – 80%	:	1 Mark
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COURSE LEARNING OUTCOMES	PROGRAMME LEARNING OUTCOMES				
	PLO1	PLO2	PLO3	PLO4	PLO5
COURSE – BP24C05					
CLO1	S	S	S	M	S
CLO2	S	S	M	S	S
CLO3	S	M	S	M	S
CLO4	M	S	S	S	M
COURSE – FT24C06					
CLO1	S	S	S	S	S
CLO2	S	S	S	S	M
CLO3	S	S	S	S	S
CLO4	S	S	S	M	M
COURSE – FT24CP3					
CLO1	S	S	S	S	S
CLO2	S	S	S	S	M
CLO3	S	S	S	S	S
CLO4	S	S	S	M	M

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
BP24C05	FUNDAMENTALS OF CORPORATE ACCOUNTING	THEORY	73	2	-	4

Preamble

- ❖ To explore a comprehensive understanding of corporate accounting principles, focusing on key areas such as share issuance, forfeiture, redemption, financial statements, business reconstruction, and company liquidation.
- ❖ It emphasizes legal and regulatory compliance in line with the Companies Act.

Prerequisite

- Basic Knowledge in Company Accounts

Course Learning Outcomes

On the successful completion of the course, students will be able to understand the accounting procedures and the key role in business operations.

CLO Number	CLO Statement	Knowledge Level
CLO1	Recall fundamental concepts and legal provisions related to issue, forfeiture, reissue, redemption, and liquidation of shares and debentures as per the Companies Act.	K1
CLO2	Explain the principles and regulatory framework of corporate financial transactions including right issue, bonus issue, underwriting, amalgamation, and internal reconstruction.	K2
CLO3	Apply accounting procedures to prepare final accounts of companies and compute financial statements in compliance with Schedule III of the Companies Act, 2013	K3
CLO4	Analyze various methods of amalgamation and internal reconstruction to evaluate their impact on company structure and shareholder interests	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	M	S
CLO2	S	S	M	S	S
CLO3	S	M	S	M	S
CLO4	M	S	S	S	M

S- Strong; M-Medium

Syllabus

Unit I (14 Hrs)

Issue, Forfeiture and Reissue of shares: – Pro-rata Allotment – Right Issue – Bonus Issue - Underwriting of Shares and Debentures – Underwriting Commission - Types of Underwriting.

Unit II (14 Hrs)

Issue and Redemption of Preference Shares and Debenture: – Provisions of Companies Act–Capital - Redemption Reserve – Minimum Fresh Issue – Redemption at Premium. Debentures: Issue and Redemption (Basic problems only).

Unit III (15 Hrs)

Final Accounts of Companies: - Introduction – Form and Contents of Financial Statements as Per Schedule III of Companies Act 2013 – Part I Form of Balance Sheet – Part II Form of Statement of Profit and Loss – Ascertaining Profit for Managerial Remuneration.

Unit IV (15 Hrs)

Amalgamation and Internal Reconstruction: - Amalgamation – Meaning - Purchase Consideration - Lump Sum Method, Net Assets Method, Net Payment Method, Intrinsic Value Method - Types of Methods of Accounting for Amalgamation -The Pooling of Interest Method - The Purchase Method (Excluding Inter-Company Holdings) Internal Reconstruction – Conversion of Stock – Increase and Decrease of Capital – Reserve Liability

Unit V (15 Hrs)

Liquidation of Companies: Types of Liquidation - Preparation of Liquidators Final Statement of Accounts – Order of Payment – Liquidator's Remuneration – Calculation of Preferential Creditors (Excluding Statement of Affairs). Indian Accounting Standards (AS 1-6, 10-15, 20-23) - Elementary Introduction to International Financial Reporting Standard. (Theoretical Aspects only)

Distribution of Marks: Theory 20% Problem 80%

Textbook

S.No	Authors	Title	Publishers	Year and Edition
1	Reddy.T S and Murthy.A	Corporate Accounting	Margham Publications	2023, 7 th Edn, Reprint

Books for Reference

S.No	Author Name	Title	Publishers	Year and Edition
1	S.P.Jain & K.L.Narang	Corporate Accounting	Kalyani Publishers	2018, 19 th Edn
2	Gupta.RL and.Radhasamy.M	Corporate Accounting Vol-II	SultanChand & Sons	2021, 14 th Edn
3	Pillai.RSN, Bhagavathy and Uma.S	Advanced Accountancy Vol-II	S Chand Publisher	2016, 2 nd Edn

Pedagogy

- PowerPoint Presentations, Group Discussion, Seminar, Quiz Assignment, Experience Discussion, Brainstorming, Activity, Case Study

Skill Components

- Familiarity with fundamental principles like consistency, prudence, and accruals.
- Creating and managing a structured list of accounts for categorizing financial transactions.
- Understanding changes in equity due to profits, losses, dividends, and other factors.
- Recognizing and recording dividends declared and paid by the company, Ability to handle transactions related to the issuance and repurchase of stock.
- Adhering to corporate governance principles and financial reporting standards (e.g., IFRS, GAAP).
- Identifying financial risks and employing hedging or other techniques to manage financial uncertainty.

Course Designers

1. Dr.M.Deepalakshmi
2. Dr.R. Eswari

S.NO	LEARNING METHODS	PERCENTAGE
1	Participatory Learning	50
2	Problem Solving	30
3	Experiential Learning	20

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
FT24C06	BLOCKCHAIN MANAGEMENT	THEORY	58	2	-	3

Preamble

- To provide a foundational understanding of blockchain technology, its structure, and future applications.
- To explore cryptocurrency, decentralized finance (DeFi), and smart contracts in blockchain ecosystems.
- To analyze the security, challenges, and industry applications of blockchain technology.

Prerequisite

- No prerequisite required.

Course Learning Outcomes

On the successful completion of the course, students will be able to understand the blockchain applications.

CLO Number	CLO Statement	Knowledge Level
CLO1	Understand the fundamentals of blockchain, including its components, consensus mechanisms, and types.	K1
CLO2	Gain insights into cryptocurrency, DeFi, smart contracts, and their role in financial ecosystems	K2
CLO3	Evaluate the security challenges, scalability issues, and regulatory aspects of blockchain technology.	K3
CLO4	Analyze blockchain applications in various industries through case studies and real-world implementations.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	M
CLO3	S	S	S	S	S
CLO4	S	S	S	M	M

S- Strong; M-Medium

Syllabus

Unit I (12 Hrs)

Fundamentals of Blockchain: Introduction – Origin – Blockchain Solution – Components of Blockchain – Block in a Blockchain – The Technology and the Future. **Blockchain Types and Consensus Mechanisms:** Decentralization and Distribution – Types of Blockchain – Consensus Protocol

Unit II (12 Hrs)

Cryptocurrency – Bitcoin, Altcoin and Token: Bitcoin and the Cryptocurrency – Cryptocurrency Basics – Types of Cryptocurrency – Cryptocurrency Usage. **Decentralized Finance (DeFi)** – Concept, Components, Use Cases, Risks, and Challenges. **Public Blockchain:** Blockchain Layers – Popular Public Blockchain. **Smart Contracts:** – Smart Contract – characteristics of a Smart Contracts – Types of Smart Contracts – Smart. Contracts in Ethereum – Smart Contracts in Industry

Unit III (11 Hrs)

Private Blockchain: Key Characteristics of Private Blockchain. **Consortium Blockchain:** Key Characteristics of Consortium Blockchain. **Initial Coin Offering (ICO):** Blockchain Fundraising Methods. **Security Token Offerings (STO):** Concept. ICOs vs STOs. **Non-Fungible Tokens (NFTs):** Concept, Applications. **Limitations and Challenges of Blockchain:** Blockchain Implementation Limitations – Blockchain Implementation Challenges

Unit IV (12 Hrs)

Security in Blockchain: Security aspects in Bitcoin – Security and Privacy Challenges of Blockchain in General – Performance and Scalability – Identity Management and Authentication – Regulatory Compliance and Assurance – Safeguarding Blockchain Smart Contract (DApp) – Security Aspects in Hyperledger Fabric.

Unit V (11 Hrs)

Applications of Blockchain: Banking and Finance – DeFi in Financial Services – Education – Energy – Healthcare – Real-Estate – Supply Chain – Blockchain and IoT. **Blockchain Case Studies:** Retail – Banking and Financial Services – Healthcare – Energy and Utilities.

Text Book

S.No	Authors	Title	Publishers	Year and Edition
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1	Chandramouli Subramanian Asha A George Abhilash K A Meena Karthikeyan	Blockchain Technology	University Press	2021
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Books for Reference

S.No	Author Name	Title	Publishers	Year and Edition
1	Anshul Kaushik	BlockChain and Crypto Currencies	Khanna Publishing House, Delhi	2020
2	Daniel Drescher	Block chain Basics : A Non-Technical Introduction in 25 Steps	Apress Publishers	2017
3	Imran Bashir	Mastering Blockchain: Unlocking the Power of Cryptocurrencies, Smart Contracts, and Decentralized Applications.	Packt Publishing	2023 4 th Edn

Skill Components

- ❖ Understand the basic structure and principles of blockchain.
- ❖ Explain various consensus mechanisms (e.g., Proof of Work, Proof of Stake).
- ❖ Understand blockchain-based investment mechanisms.
- ❖ Analyze scalability, identity management, and performance issues.
- ❖ Identify and explain blockchain applications in various sectors (banking, healthcare, energy, etc.).

Pedagogy

- Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Experience Discussion, Brain storming, Activity, Case Study.

Course Designers

1. Dr. M.RajaRajeswari, Department of Commerce
2. Dr. B. Thulasi Priya, Department of Commerce

S.NO	LEARNING METHODS	PERCENTAGE
1	Participatory Learning	60
2	Problem Solving	10
3	Experimental Learning	30

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
FT24A01	INDIAN ECONOMIC DEVELOPMENT AND POLICY	THEORY	73	2	-	4

Preamble

- ❖ To understand the concepts of Economic growth and development.
- ❖ To examine the role of public finance in economic development

Prerequisite

- No prerequisite required

Course Learning Outcomes

On the successful completion of the course, students will be able to understand the concepts of Indian Economic Development.

CLO Number	CLO Statement	Knowledge Level
CLO1	Elaborate the role of State and Market in Economic Development	K1
CLO2	Explain the Sectorial contribution to National Income	K2
CLO3	Illustrate and Compare National Income at constant and current prices.	K3
CLO4	Describe the canons of public expenditure, theories of money and supply.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	S	S	S	S	M

S- Strong; M-Medium

Syllabus

Unit I

(13 Hrs)

Economic Development and Growth : Meaning & Definition - Concepts of Economic Growth and Development. Differences between Growth and Development. Measurement of

Economic Development: Per Capita Income, Basic Needs, Physical Quality of Life Index, Human Development Index and Gender Empowerment Measure- Factors affecting Economic Development

Unit II

(15 Hrs)

Classification of Nations on the basis of development: Characteristics of Developing Countries and Developed Countries - Population and Economic Development- Theories of Demographic Transition. Human Resource Development and Economic Development. Indian Agriculture – Significance – Land Reforms - Green Revolution – Food Policy and Public Distribution System - Agricultural Marketing – Defects – Measures – Role of NABARD. Recent Reforms in Agriculture (PM-KISAN, e-NAM)- Climate change and its impact in agriculture.

Unit III

(15 Hrs)

National Income Meaning, Importance, National Income -Concept, types of measurement, Comparison of National Income at Constant and Current Prices. Sectorial Contribution to National Income. National Income and Economic Welfare. Industrialization – Industrial Policy 1948, 1956. Liberalization: New industrial policy of 1991- Privatization – Disinvestment. Globalization: Globalization in India

Unit IV

(15 Hrs)

Public Finance Meaning, Importance, Role of Public Finance in Economic Development, Public Revenue-Sources, Direct and Indirect taxes, Impact and Incidence of Taxation, Public Expenditure-Classification and Canons of Public Expenditure, Public Debt-Need, Sources and Importance, Budget-Importance, Types of Deficits -Revenue, Budgetary, Primary and Fiscal, Deficit Financing. Population – Causes – Measures

Unit V

(15 Hrs)

Money Supply -Theories of Money and Its Supply, Types of Money-Broad, Narrow and High Power, Concepts of M1, M2 and M3. Inflation and Deflation -Types, Causes and Impact, - Price Index-CPI and WPI, Role of Fiscal Policy in Controlling Money supply. Planning – Meaning – Achievements of Five Year Plans – NITI Aayog objectives – National Income – Measurement – Difficulties- Budget – Meaning – Current Budget.

Text Book

S.No	Authors	Title	Publishers	Year and Edition
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1	Datt & Sundharam's	Indian Economy	S.Chand Publishers, New Delhi	2022
2	K. Puri, S.K. Mishra	Indian Economy	Himalaya Publishing house, Mumbai	2023

Books for Reference

S.No	Author Name	Title	Publishers	Year and Edition
1	Agarwal.A.N	Indian Economy	WishwaPrakashan New Delhi	2012
2	Dhingra.IC	Indian Economy	Sultan Chand and Sons, New Delhi	2014
3	Misra&Puri	Indian Economy-Its development-experience	Himalaya Publishing Houses, Mumbai	2019

Skill Components

- Understand the measurement tools for economic development, such as Per Capita Income, Physical Quality of Life Index (PQLI), Human Development Index (HDI).
- Analyze the role of privatization, liberalization, and disinvestment in industrial growth, particularly post-1991 in India.
- Understand public debt, its sources, and its significance in financing public projects.
- Understand the different theories of money supply and how they affect economic activities.

Pedagogy

- PowerPoint Presentations, Group Discussion, Seminar, Quiz Assignment, Experience Discussion, Brainstorming, Activity, Case Study

Course Designer

1. Dr. C. Gomathy, Department of Commerce
2. Dr. G. Indrani, Department of Commerce

S.NO	LEARNING METHODS	PERCENTAGE
1	Participatory Learning	70
2	Problem Solving	10
3	Experimental Learning	20

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
FT24A02	EXIM PROCEDURE & DOCUMENTATION	THEORY	73	2	-	4

Preamble

- ❖ To understand the concepts of Exports and Imports.
- ❖ To examine the role of export products and international markets.

Prerequisite

- No prerequisite required.

Course Learning Outcomes

On the successful completion of the course, students will be able to understand the procedures and the guidelines of the export and import procedures .

CLO Number	CLO Statement	Knowledge Level
CLO1	Explain the fundamental concepts and classifications of exports and imports.	K1
CLO2	Analyze strategies for export marketing and evaluate export marketing organizations.	K2
CLO3	Describe export registration formalities including IEC, RCMC, and licensing procedures.	K3
CLO4	Identify suitable export products and international markets.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	S	S	S	S	M

S- Strong; M-Medium

Syllabus

Unit I

(15 Hrs)

Preliminaries for Exports and Imports: Meaning and Definition of Export –

Classification – Strategy and Preparation for ExportMarketing – Export Marketing Organizations – Registration Formalities – IEC – RCMC -- Export Licensing – Selection of Export Product – Identification of Markets – Methods of Exporting – Pricing Quotations – Payment Terms – Letter of Credit Liberalization of Imports – Negative List for Imports – Categories of Importers –Special Schemes for Importers. Recent Changes in Export/Import Policies.

Unit II (13 Hrs)

Export Import Documentation: Aligned Documentation System – Commercial Invoice – Shipping Bill – Certificate of Origin – Consular Invoice – Mate’s Receipt – Bill of Lading – GR Form – ISO 9000 – Procedure for obtaining ISO 9000 – BIS 14000 Certification – Types of Marine Insurance Policies. Import Documents – Transport Documents – Bill to Entry – Certificate of Inspection – Certificate of Measurements – Freight Declaration. **Electronic Documentation and EDI Systems** – Role of digital documentation in simplifying trade.

Unit III (15 Hrs)

Export-Import Procedure: Steps in Export Procedure – Export Contract – Forward Cover – Export Finance – Institutional framework for Export Finance – Excise Clearance – Preshipment Inspection – Methods of Pre-shipment Inspection – Marine Insurance – Role of Clearing and Forwarding Agents – Shipping and Customs Formalities – Customs EDI System – Negotiation of Documents – Realisation of Exports Proceeds.

Unit IV (15 Hrs)

Policy and Institutional Framework for Exports and Imports: Foreign Trade Policy – Highlights – Special Focus Initiatives – Duty Drawback – DeemedExports – ASIDE – MAI ; MDA – Star Export Houses – Town of Export Excellence – EPCG Scheme – Incentives for Exporters. Export Promotion Councils- Commodity Boards – FIEO – IIFT – EOUs – SEZs – ITPO – ECGC – EXIM Bank.

Unit V (15 Hrs)

Pre-Import Procedure: Steps in Import Procedure – Legal Dimensions of Import Procedure – Customs Formalities for Imports – Warehousing of Imported goods –Exchange Control Provisions for Imports – Retirement of Export Documents.

Text Book

S.No	Authors	Title	Publishers	Year and Edition

1	Mahajan M.I	Exports – Do it Yourself	Snow White Publications, New Delhi	2012 18 th Edn
2	TAS Balagopal	Export Marketing	Himalaya Publishing House	2008

Books for Reference

S.No	Author Name	Title	Publishers	Year and Edition
1	Nabhi Board of Editors	Export Documentation and Procedures	Nabhi Publications, New Delhi	2012
2	R.L. Varshney	International Marketing Management	Sultan Chand and Sons, New Delhi	1982 2 nd Edn

Skill Components

- Market research for export product identification
- Drafting and verifying letters of credit and insurance policies
- Understanding pre-shipment and customs documentation
- Analyzing export policy documents
- Planning warehousing and exchange control compliance

Pedagogy

- PowerPoint Presentations, Group Discussion, Seminar, Quiz Assignment, Experience Discussion, Brainstorming, Activity, Case Study

Course Designers

1. Dr. C. Gomathy, Department of Commerce
2. Dr. G. Indrani, Department of Commerce

S.NO	LEARNING METHODS	PERCENTAGE
1	Participatory Learning	70
2	Problem Solving	10
3	Experimental Learning	20

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
FT24A03	OFFICE MANAGEMENT and SECRETARIAL PRACTICES	THEORY	73	2	-	4

Preamble

- ❖ To understand the concepts of modern office and practice.
- ❖ To examine the role of various operations and the responsibilities of office managers.

Prerequisite

- No prerequisite required.

Course Learning Outcomes

On the successful completion of the course, students will be able to understand the office management practice.

CLO Number	CLO Statement	Knowledge Level
CLO1	Define the concept and significance of a modern office.	K1
CLO2	Differentiate between basic and administrative office functions.	K2
CLO3	Identify and explain the roles of front and back office operations	K3
CLO4	Enumerate the qualities, functions, and duties of an office manager	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	S	S	S	S	M

S- Strong; M-Medium

Syllabus

Unit I

(13 Hrs)

FUNDAMENTALS OF MODERN OFFICE -Modern Office: Meaning and Importance - Functions: Basic and Administrative -Types- Front Office and Back Office - Qualities, Functions and Duties of an Office Manager -Changing Scène of Office: Past, Present

and Future . Role of AI and Automation in Modern Office Administration

Unit II

(15 Hrs)

OFFICE ORGANISATION -Meaning and Importance of Office Organisation - Organization Structure: Meaning and objectives -Types of Organization: Line, Functional, Line and Staff - Principles of Organization - Span of Management: Meaning and types (wide and narrow) -Factors determining Span of Management, Graicuna's Theory 7

Unit III

(15 Hrs)

OFFICE LAYOUT -Meaning and Definitions of Office Layout -Objectives and importance of Office Layout -Principles of Office Layout - Steps involved in Office Layout - Types: Open office and Private Office - Merits and Demerits - Recent Trends in Office Layout

Unit IV

(15 Hrs)

OFFICE COMMUNICATION -Meaning and Definitions of Office Communication - Importance of Communication - Types of Communication: Internal and External, Formal and Informal, - Downward, Upward and Horizontal, Oral and Written -Communication Process - Barriers to Communication- Measures to overcome the Barriers - Principles of Effective Communication& means of communication

Unit V

(15 Hrs)

BUSINESS CORRESPONDENCE: Trade Enquiry, solicited and unsolicited enquiries- Quotation, Placing Orders, Complaints-sources of mistakes giving rise to complaints- Status enquiry and collection letter, Collection series. **EMPLOYMENT RELATED CORRESPONDENCE:** Drafting Resume, Job Application, Bio-data- References, Testimonials, Appointment Order-Duty Joining Report and a letter of resignation.

Text Book

S.No	Authors	Title	Publishers	Year and Edition
1	Balasubramanyan M	Business communication	Vikas Publishing, New Delhi.	2012 18 th Edn
2	Pal, Rajendra& Korahalli	J.S Essentials of Business Communication	Sultan Chand & Sons, New Delhi.	2011 13 th Edn
3	Singh S.P & Singh B	Office Management	S.P Gyan Publishing	2008

			House, Delhi.	
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Books for Reference

S.No	Author Name	Title	Publishers	Year and Edition
1	T Ramaswamy	Principles of Office Management	Nabhi Publications, New Delhi	2012
2	V.S.P & P.S NarayanaRao	Text Book of Office Management	Tata McGraw Hill Publishing	2017 2 nd Edn

Skill Components

- Develop a profile outlining the essential qualities and responsibilities of an office manager.
- Describe various organisational structures: line, functional, and line-and-staff.
- Identify principles guiding effective office layout design.
- Apply principles of effective communication in various office contexts.
- Develop strategies to overcome common communication barriers within an organisation.

Pedagogy

- PowerPoint Presentations, Group Discussion, Seminar, Quiz Assignment, Experience Discussion, Brainstorming, Activity, Case Study

Course Designers

1. Dr. C. Gomathy, Department of Commerce
2. Dr. G. Indrani, Department of Commerce

S.NO	LEARNING METHODS	PERCENTAGE
1	Participatory Learning	70
2	Problem Solving	10
3	Experimental Learning	20

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
FT24CP3	BLOCKCHAIN APPLICATIONS – DIGITAL LEDGER	THEORY	--	- -	45	3

Preamble

- ❖ To develop a fundamental understanding of blockchain technology by creating a digital ledger and gaining hands-on experience in its applications

Prerequisite

- Basic knowledge on Block Chain Applications

Course Learning Outcomes

On the successful completion of the course, students will be able to understand the practical application of Blockchain technology.

CLO Number	CLO Statement	Knowledge Level
CLO1	Demonstrate the ability to create and manage blockchain-based digital wallets, conduct cryptocurrency transactions, and explore decentralized applications.	K1
CLO2	Implement smart contracts, peer-to-peer transactions, and decentralized finance (DeFi) applications using industry-standard tools.	K2
CLO3	Apply blockchain solutions for supply chain management, digital identity verification, and secure data storage.	K3
CLO4	Analyze blockchain security, scalability, governance, and regulatory frameworks through real-world applications.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	M
CLO3	S	S	S	S	S
CLO4	S	S	S	M	M

S- Strong; M-Medium

Syllabus

1. Create a crypto wallet, send & receive transactions. **Tools:** MetaMask, Etherscan
2. Deploy a pre-built smart contract for invoice storage. **Tools:** Remix IDE, Etherscan
3. Blockchain for Supply Chain Management - Track products using blockchain-based supply chain solutions. **Tools:** IBM Food Trust (Demo), Blockchain Explorer
4. Crypto Trading & Market Analysis. **Tools:** CoinMarketCap, CoinGecko
5. Creating & Trading NFTs(listing it in marketplace). **Tools:** OpenSea (Polygon Testnet),

Rarible

6. Peer-to-Peer (P2P) Transactions Using Blockchain - direct money transfers. **Tools:** MetaMask, Testnet Faucets, Etherscan
7. Decentralized Finance (DeFi) & Crypto Exchanges. **Tools:** Uniswap, PancakeSwap
8. Registering a Blockchain-Based Domain (ENS Domain). **Tools:** Ethereum Name Service (ENS)
9. Verifying Blockchain-Based Digital Certificates. **Tools:** Blockcerts (Demo), Etherscan
10. Blockchain-Based Voting System **Tools:** Voatz (Demo), Ethereum Testnet
11. Hyperledger Fabric – Private Blockchain Setup **Tools:** Hyperledger Fabric, Hyperledger Composer
12. Blockchain Security & Compliance **Tools:** MetaMask, Etherscan, Chainalysis

Pedagogy

- ❖ Demo

Course Designers

1. Dr. M. Raja Rajeswari, Assistant Professor, Department of Commerce
2. Dr. B. Thulasi Priya, Assistant Professor, Department of Commerce

S.NO	LEARNING METHODS	PERCENTAGE
1	Participatory Learning	10
2	Problem Solving	50
3	Experimental Learning	40

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
FT24SBP1	AUTOMATING PYTHON FOR ACCOUNTING	THEORY	-	4	41	3

List of Programmes

1. Write a Program to read data from data file and show Data File Handling related functions utility inpython.
2. Perform all the operations with reference to table 'Employee' through MySQL-Python connectivity.
 - a. Fetching all the records from EMP table having salary more than 70000.
 - b. Deleting record(s) from table using DELETE
 - c. Update Record(s) to the table using UPDATE

3. EMI chart for a loan in Python
4. Create a dashboard based on Excel data in Python.
5. Create a simple stock portfolio tracker that calculates the total value of a portfolio based on the number of shares and current stock prices.
6. Create a simple program to help users track their monthly income, expenses, and savings, and provide insights into their financial habits.
7. Write a program that uses historical stock price data to implement a simple algorithmic trading strategy, such as a moving average crossover.
8. Build a data visualization tool to create interactive financial charts and plots using libraries like Matplotlib and Plotly.
9. Building an Automated Data Extraction Solution (from e-governance sites) with Python
10. Automate Tally process using Python

Course Designers

- 1 Dr. B. Thulasipriya – Department of Commerce
- 2 Dr. M. Rajarajeshwari – Department of Commerce