	MAHATMA GANDHI UNIVERSITY **Kottayam, Kerala** **Undergraduate Programmes (HONOURS)** **2024 Admission Onwards**

SYLLABUS						
SIGNATURE COURSE						
Name of the College	St. Thomas College, Kozhenchery					
Faculty/ Discipline	Economics					
Programme	BA (Hons) Economics					
Course Coordinator	Abraham Mathew					
Contributors	Mr. Joel Oommen Muzhangody and Mrs. Emilda George					
Course Name	Introduction to Indian Financial System and Portfolio Management					
Type of Course	DSE					
Specialization title	Investment Decisions and Portfolio Management					
Course Code	MG3DSEECOA01					
Course Level	200					
Course Summary	This course provides an introduction to the principles and practices of Investment analysis and portfolio management. Students will learn to analyse different investment alternatives, including stocks, bonds, mutual funds, and real estate. They will also learn to develop and manage investment portfolios that meet the risk and return objectives of their investments .					
Semester	3	**Credits**			4	**Total Hours**
Course Details	**Learning Approach**	Lecture	Tutorial	Practical	Others	
		3	0	1	0	75
Pre-requisites, if any						

Course Outcomes (CO)

Number of COs		**4**	
CO No.	**Expected Course Outcome**	**Learning Domains ***	**PO No**
1	Understand the structure, components, and evolution of the Indian financial system.	U	PO1, PO2, PO3
2	Identify key financial institutions and markets in India and their roles.	U, A	PO1, PO2, PO3, PO4
3	Explain the basics of investment types and portfolio management concepts.	U, AN	PO1, PO2, PO3, PO4
4	Recognize the regulatory framework and introductory risk management in the financial system.	U, E	PO1, PO2, PO3, PO4

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

CO-PO Articulation Matrix

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO 1	3	2	1	-	-	-	-	-	-	-
CO 2	2	3	2	1	-	-	-	-	-	-
CO 3	1	3	3	2	-	-	-	-	-	-
CO 4	2	2	2	3	-	-	-	-	-	-

‘0’ is No Correlation, ‘1’ is Slight Correlation (Low level), ‘2’ is Moderate Correlation (Medium level) and ‘3’ is Substantial Correlation (High level).

Course Content

Content for Classroom transaction (Units)

Module	Units	Course Description	Hrs	CO No.
1	Introduction to Indian Financial System			
	1.1	Meaning, significance, and evolution of the Indian financial system.	5	["1"]
	1.2	Components: financial institutions, markets, instruments, and services.	5	["1"]
	1.3	Indian Financial System: Role in economic development and savings mobilization.	5	["1"]
	1.4	Practicum: Group discussion on recent developments in the Indian financial system using newspaper articles.	4	["1"]
2	Financial Institutions and Markets in India			
	2.1	Commercial banks and NBFCs—structure and functions.	5	["2"]
	2.2	Development banks, insurance companies, and mutual funds—overview.	5	["2"]
	2.3	Money market and capital market—instruments, participants, primary and secondary markets.	5	["2"]
	2.4	Practicum: Case study on a major Indian financial institution or market, preparing a simple report.	4	["2"]
3	Fundamentals of Investment and Portfolio Management			
	3.1	Types of investments: equity, debt, and alternatives.	5	["3"]
	3.2	Basic risk and return concepts.	5	["3"]
	3.3	Portfolio management—meaning and objectives.	5	["3"]
	3.4	Practicum: Calculate simple returns on sample investments using Excel.	4	["3"]
4	Regulatory Environment and Risk Concepts			
	4.1	Role of RBI and SEBI in regulation.	5	["4"]
	4.2	Basic regulations for financial markets and institutions.	5	["4"]
	4.3	Introduction to risk management in portfolios.	4	["4"]
	4.4	Practicum: Review a SEBI or RBI guideline document and summarize key points.	4	["4"]

Teaching and Learning Approach	**Classroom Procedure (Mode of transaction)** Classroom Lectures and Authentic Learning: Traditional lectures can provide solid factual knowledge Active-interactive learning, brainstorming, seminar, group activities: Foster student engagement through interactive class discussions

Assessment Types	**MODE OF ASSESSMENT** Mode of Assessment: Theory **A. Continuous Comprehensive Assessment (CCA)** **• Theory – 30 Marks** Class Test,Seminar/Assignment,Chart/Workbook **B. End Semester Evaluation (ESE)** **• Theory – 70 Marks** Assessment Methods – Descriptive type written examination Duration of Examination – 2.00 Hrs Pattern of examination for Theory – Non-MCQ Different parts of written examination – Part - A , B , C Answer Type: ◦ PART - A ◦ Short answer - (10 out of 15) – 10 × 2 = 20 ◦ PART - B ◦ Short Essays - (6 out of 10) – 6 × 5 = 30 ◦ PART - C ◦ Essays - (2 out of 4) – 2 × 10 = 20

References

- 1. Indian Financial System, M.Y. Khan, Tata McGraw Hill.
- 2. Financial Institutions and Markets, L.M. Bhole, Tata McGraw Hill.
- 3.The Indian Financial System: Markets, Institutions, and Services Bharati V. Pathak, Pearson Education
- 4. Financial Markets and Institutions in India, T. Siddiah, Pearson Education.
- 5. Essentials of Business Communication-Rajendra Pal and J S Korlahalli
- 6. Financial Markets and Institutions - Madura
- 7. Portfolio Management -Kevin
- 8. RBI Annual Reports.
- 9. SEBI Guidelines on Bond Markets.

Affidavit

- We, St. Thomas College, Kozhenchery and Abraham Mathew, agree to permit the use of our proposed course syllabus by other faculty members within the same discipline for course delivery at their respective institutions.
- We, St. Thomas College, Kozhenchery, agree to appoint a new course coordinator for the proposed Investment Decisions and Portfolio Management in the event of the unavailability of the currently nominated coordinator. This appointment will ensure the continued coordination of course delivery, assessments, and all related academic responsibilities necessary for the successful implementation of the specialization, for as long as the college offers this programme.
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<tr><td>Faculty/ Discipline</td><td colspan="6">Economics</td></tr>
<tr><td>Programme</td><td colspan="6">BA (Hons) Economics</td></tr>
<tr><td>Course Coordinator</td><td colspan="6">Abraham Mathew</td></tr>
<tr><td>Contributors</td><td colspan="6">Mrs. Emilda George</td></tr>
<tr><td>Course Name</td><td colspan="6">Investment Environment and Portfolio Management Strategies</td></tr>
<tr><td>Type of Course</td><td colspan="6">DSE</td></tr>
<tr><td>Specialization title</td><td colspan="6">Investment Decisions and Portfolio Management</td></tr>
<tr><td>Course Code</td><td colspan="6">MG4DSEECOA01</td></tr>
<tr><td>Course Level</td><td colspan="6">200</td></tr>
<tr><td>Course Summary</td><td colspan="6">This course provides an introduction to the concept and practices of Investment analysis and portfolio management. Students will learn to analyse different investment alternatives, including stocks, bonds and mutual funds. They will also learn to develop and manage investment portfolios and learn about various theories..</td></tr>
<tr><td>Semester</td><td>4</td><td colspan="3">Credits</td><td>4</td><td rowspan="2">Total Hours</td></tr>
<tr><td rowspan="2">Course Details</td><td rowspan="2">Learning Approach</td><td>Lecture</td><td>Tutorial</td><td>Practical</td><td>Others</td></tr>
<tr><td>3</td><td></td><td>1</td><td></td><td>75</td></tr>
<tr><td>Pre-requisites, if any</td><td colspan="6"></td></tr>
</table>

Course Outcomes (CO)

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<tr><th colspan="2">Number of COs</th><th colspan="2">4</th></tr>
<tr><th>CO No.</th><th>Expected Course Outcome</th><th>Learning Domains *</th><th>PO No</th></tr>
<tr><td>1</td><td>Understand the concepts of Investment Process, Criteria for Investment, Types of Investors, Investment vs. Speculation.</td><td>U</td><td>PO1, PO2</td></tr>
<tr><td>2</td><td>Apply advanced risk management techniques, to develop personalized financial plans</td><td>A, AN, S</td><td>PO1, PO2, PO3, PO4</td></tr>
<tr><td>3</td><td>Understand the portfolio management process, including objectives, principles, and strategy formulation.</td><td>U</td><td>PO1, PO2, PO3, PO4</td></tr>
<tr><td>4</td><td>Examine the Capital Asset Pricing Model and Portfolio Performance Measurement</td><td>E</td><td>PO1, PO2, PO3, PO4</td></tr>
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**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

CO-PO Articulation Matrix

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO 1	3	1	-	-	-	-	-	-	-	-
CO 2	1	3	3	2	-	-	-	-	-	-
CO 3	2	3	3	2	-	-	-	-	-	-
CO 4	3	2	1	2	-	-	-	-	-	-

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Course Content

Content for Classroom transaction (Units)

Module	Units	Course Description	Hrs	CO No.
1	Introduction to Investment Environment			
	1.1	Introduction to Investment Environment, Investment Process, Criteria for Investment, Types of Investors, Investment vs. Speculation vs. Gambling, Investment Avenues, Factors Influencing Selection of Investment Alternatives, derivatives, ETFs	4	["1"]
	1.2	Concepts of Investment Banks, its Role and Functions, Stocks, Market Index, The NASDAQ, SDL, NSDL,	4	["1"]
	1.3	Benefits of Depository Settlement, Online Share Trading and its Advantages, Concepts	4	["1"]
	1.4	Practicum: 1.Research different investment avenues (stocks, ETFs, mutual funds) using financial news websites, company reports, and online brokerage tools 2.Analyzing stock categories (small cap, mid cap, large cap) using spreadsheet functions.	3	["1", "2"]
2	Risk Return Relationship and Portfolio Managemen			
	2.1	Meaning, Types of Risk–Systematic and Unsystematic Risk,Measurement of Beta, Standard Deviation, Variance, Reduction of Risk through Diversification, Financial planning: setting investment goals, budgeting, and risk profiling.	5	["2"]
	2.2	Meaning and Concept, Portfolio Management Process, Objectives, Basic Principles .	4	["3"]
	2.3	Factors Affecting Investment Decisions in Portfolio Management, Portfolio Strategy Mix, Role of derivatives in financial planning and risk mitigation.	6	["2"]
	2.4	Practicum : 1. Calculating beta and standard deviation for securities using spreadsheets. 2. Simulating portfolio diversification scenarios.	5	["2", "3"]

Module	Units	Course Description	Hrs	CO No.
3	Theories, Capital Asset Pricing Model and Portfoli			
	3.1	Dow Jones Theory, Elloit Wave Theory, Efficient Market Theory	6	["3", "4"]
	3.2	Assumptions of CAPM, CAPM Equation, Capital Market Line, Security Market Line.	5	["3"]
	3.3	Meaning of Portfolio Evaluation, Sharpe’s Ratio, Treynor’s Ratio , Jensen’s Differential Returns	5	["4"]
	3.4	Practicum: 1. Applying CAPM to calculate expected returns using spreadsheets. 2. Computing Sharpe’s and Treynor’s ratios for portfolio evaluation.	4	["2", "3", "4"]
4	Need and Importance of Portfolio Management			
	4.1	Portfolio Management Vs Wealth Management – Introduction to Derivatives – Futures Options	5	["3", "4"]
	4.2	Swaps – SEBI Regulations relating to Portfolio Operations.	4	["3"]
	4.3	Planning – Selection – Evaluation – Revision -Various Steps involved in portfolio Development, Advanced portfolio revision technique: rebalancing.	6	["4"]
	4.4	Practicum: 1. Creating a portfolio model incorporating derivatives using spreadsheets. 2. Evaluating portfolio performance with regulatory constraints.	5	["2", "3", "4"]

Teaching and Learning Approach	**Classroom Procedure (Mode of transaction)** Classroom Lectures and Authentic Learning: Traditional lectures can provide solid factual knowledge Active-interactive learning, brainstorming, seminar, group activities: Foster student engagement through interactive class discussions

Assessment Types	**MODE OF ASSESSMENT** Mode of Assessment: Theory **A. Continuous Comprehensive Assessment (CCA)** **• Theory – 30 Marks** Class Test,Seminar/Assignment,Chart/Workbook **B. End Semester Evaluation (ESE)** **• Theory – 70 Marks** Assessment Methods – Descriptive type written examination Duration of Examination – 2.00 Hrs Pattern of examination for Theory – Non-MCQ Different parts of written examination – Part - A , A , C Answer Type: ◦ PART - A ◦ Short answer - (10 out of 15) – 10 × 2 = 20 ◦ PART - A ◦ Short Essays - (6 out of 10) – 6 × 5 = 30 ◦ PART - C ◦ Essays - (2 out of 4) – 2 × 10 = 20

References

- 1. Security Analysis and Portfolio Management -Donald E Fischer &Ronald J Jordan

- 2. Investment Analysis and Portfolio Management -Prasanna Chandra
- 3. Investments- Zvi Bodie, Alex Kane,Alan J Marcus, Pitabas Mohanty
- 4. Business Communication -R C Bhatia
- 5. Essentials of Business Communication-Rajendra Pal and J S Korlahalli
- 6. Derivatives and Risk Management” by Sundaram and Das
- 7. Financial Markets and Institutions” by Madura
- 8. Recent reports: SEBI Annual Reports (2023–2025), RBI Bulletins on Capital Markets.

Affidavit

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SYLLABUS						
SIGNATURE COURSE						
Name of the College	St. Thomas College, Kozhenchery					
Faculty/ Discipline	Economics					
Programme	BA (Hons) Economics					
Course Coordinator	Abraham Mathew					
Contributors	Mr. Shaju K John & Mr. Joel Oommen Muzhangody					
Course Name	Portfolio Analysis and Investor Protection					
Type of Course	DSE					
Specialization title	Investment Decisions and Portfolio Management					
Course Code	MG5DSEECOA01					
Course Level	300					
Course Summary	This course provides an introduction to the concept and practices of investment analysis and derivatives. Students will learn to analyse Portfolios. Students are expected to have an understanding about derivatives, types of investors, scenario of Investors in India and theories associated with it.					
Semester	5	**Credits**			4	**Total Hours**
Course Details	**Learning Approach**	Lecture	Tutorial	Practical	Others	
		3		1		75
Pre-requisites, if any						

Course Outcomes (CO)

Number of COs		**4**	
CO No.	**Expected Course Outcome**	**Learning Domains ***	**PO No**
1	Understand the role of derivatives and portfolio analysis in investment decision-making	U	PO1, PO2
2	Apply terminologies related to investment options and investor types to analyse financial instruments.	A, AN	PO1, PO2, PO3, PO4
3	Analyze SEBI’s provisions and stock exchange roles in protecting investors in India.	AN	PO1, PO2, PO3, PO4
4	Examine the mechanics and performance of financial instruments like mutual funds, ETFs, and IPOs	E	PO1, PO2, PO3, PO4

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Course Content

Content for Classroom transaction (Units)

Module	Units	Course Description	Hrs	CO No.
1	Portfolio Analysis & Derivatives			
	1.1	Objectives of Portfolio Management – Expected Returns & Variance –The Principle of Diversification – Systematic Risk & Beta, Markowitz model and portfolio optimization techniques.	4	["1"]
	1.2	Derivatives -History of Derivatives Market in India - Participants in a derivative Market, Recent trends in India’s derivatives market	4	["1"]
	1.3	Futures & Forwards –Options Contracts – Option terminology, Practical option pricing model-Black-Scholes model	4	["2"]
	1.4	Practicum: 1. Calculating portfolio expected returns and beta using spreadsheets. 2. Simulating derivatives pricing (e.g., options) using spreadsheet models.	3	["1", "2"]
2	Investor Protection in India			
	2.1	Definition –SEBI –Functions – Strategies on Financial Education, concept of mutual funds, ETFs & derivatives	6	["2"]
	2.2	Grievances & Redressal of - Investors - Companies – Depository Participants	5	["2"]
	2.3	Methods of Redressals- Guidelines related to Investor Protection	4	["2"]
	2.4	Practicum: 1. Analyzing SEBI regulations using case studies in spreadsheets. 2. Creating a grievance redressal tracking model.	5	["2", "3"]
3	An Overview of Indian Investors			
	3.1	Insider Trading –UPSI –Rights & Obligations of Investors- Investor Activism	5	["3"]
	3.2	Stock Exchanges in India- Role of Stock Exchanges in Investor Protection	4	["3"]
	3.3	Advanced mutual fund strategies – Active vs. passive fund performance-Equities & Debts – ETFs	6	["2"]
	3.4	Practicum: 1. Analyzing mutual fund performance using spreadsheet tools. 2. Constructing an ETF portfolio model	5	["2", "3"]

Module	Units	Course Description	Hrs	CO No.
4	Practice of Fundamental Investing			
	4.1	IPOs – Why go Public-IPO Process –Underpricing- Reasons- Market Stabilization	5	["4"]
	4.2	Book built Offering vs Auction –Buy Side Analysts & Sell Side Analysts Capital Allocation	6	["4"]
	4.3	The seven places that capital can be allotted – Dividends vs Repurchases-Corporate governance.	4	["4"]
	4.4	Practicum: 1. Evaluating IPO performance using spreadsheet analysis. 2. Creating a capital allocation model for dividends and repurchases.	5	["2", "4"]

Teaching and Learning Approach	**Classroom Procedure (Mode of transaction)** Classroom lectures and Authentic Learning: Traditional lectures can provide solid factual knowledge Active –interactive learning, brainstorming, seminar, group activities: Foster student engagement through interactive class discussions

Assessment Types	**MODE OF ASSESSMENT** Mode of Assessment: Theory **A. Continuous Comprehensive Assessment (CCA)** **• Theory – 30 Marks** Class Test,Seminar/Assignment,Chart/Workbook **B. End Semester Evaluation (ESE)** **• Theory – 70 Marks** Assessment Methods – Descriptive type written examination Duration of Examination – 2.00 Hrs Pattern of examination for Theory – Non-MCQ Different parts of written examination – Part - A , B , C Answer Type: ◦ PART - A ◦ Short answer - (10 out of 15) – 10 × 2 = 20 ◦ PART - B ◦ Short Essays - (6 out of 10) – 6 × 5 = 30 ◦ PART - C ◦ Essays - (2 out of 4) – 2 × 10 = 20

References

- 1.Donald E. Fisher and Ronald J. Jordan: Securities Analysis and Portfolio Management, Prentice Hall, New Delhi.
- 2. S. Kevin: Security Analysis and Portfolio Management
- 3. Machiraju.R.H: Indian Financial System, Vikas Publishing House.
- 4. 5. Khan M.Y: Indian Financial System, Tata McGraw Hill
- 5. Derivatives and Risk Management” - Sundaram and Das
- 6. SEBI Handbook of Investor Protection”
- 7. IPO Investing: A Guide” -Tom Taulli
- 8. Reports: SEBI Annual Report
- 9. NSE Mutual Fund Reports

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Faculty/ Discipline	Economics					
Programme	BA (Hons) Economics					
Course Coordinator	Abraham Mathew					
Contributors	Mr. Suresh Mathew George and Ms. Chinnu Mariam Chacko					
Course Name	Advanced Portfolio Management and Behavioral Finance					
Type of Course	DSE					
Specialization title	Investment Decisions and Portfolio Management					
Course Code	MG6DSEECOA01					
Course Level	300					
Course Summary	The course equips students with cutting-edge techniques in portfolio Analysis, performance evaluation, and risk management, enabling them to build and manage efficient investment portfolios in dynamic markets. By integrating behavioral finance insights with quantitative tools, students develop a deeper understanding of investor behavior and market anomalies, leading to more informed and strategic decision-making. The course also sharpens research aptitude and practical skills through case studies preparing students for real-world challenges in investment management					
Semester	6	**Credits**			4	**Total Hours**
Course Details	**Learning Approach**	Lecture	Tutorial	Practical	Others	
		3		1		75
Pre-requisites, if any						

Course Outcomes (CO)

Number of COs		**5**	
CO No.	**Expected Course Outcome**	**Learning Domains ***	**PO No**
1	Understand the concepts and tools of fundamental analysis of portfolio management.	U	PO1
2	Understand the concepts and determinants of technical analysis for investment decisions.	U	PO1
3	Explore the various portfolio measurement and performance	U, A	PO1, PO2
4	Analyze various theories and concepts of portfolio management and behavioral finance	U, A, AN	PO1, PO3
5	Evaluate the psychological, emotional, and behavioral factors influencing investment decisions and portfolio management.	AN, E	PO1, PO3

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CO 4	3	-	3	-	-	-	-	-	-	-
CO 5	3	-	3	-	-	-	-	-	-	-

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Course Content

Content for Classroom transaction (Units)

Module	Units	Course Description	Hrs	CO No.
1	Fundamental And Technical Analysis			
	1.1	Macroeconomic Analysis- Industry Analysis- Company Analysis- Study on Financials	4	["1"]
	1.2	Company Analysis beyond numbers- Estimation of intrinsic Value- Obstacles	4	["1"]
	1.3	Technical Analysis- Charting Techniques- Dow Theory- Technical Indicators	4	["2"]
	1.4	Practicum: Case Study Analysis: Students analyze financial statements of a listed company, calculating ratios (e.g., P/E, ROE) and estimating intrinsic value	3	["1"]
2	Portfolio Performance and Measurement			
	2.1	Portfolio Return- Risk- Diversification- Optimal Portfolio- Single Index model	4	["3"]
	2.2	Measuring Portfolio Risk- Return: Sharpe Ratio, Treynor and Jenson Methods(concept only)	5	["3"]
	2.3	Managing Stock Portfolios- Passive Management- Active Management- Passive Versus Active	5	["3"]
	2.4	Practicum: Portfolio Construction Exercise: Students build a diversified portfolio using historical stock data, calculate expected returns and risks, and identify the optimal portfolio using the Single Index Model	6	["3"]
3	Portfolio Management & Behavioral Finance			
	3.1	Portfolio Revision – Portfolio Rebalancing- Portfolio Upgrading- The Formula Plans Portfolio Audit	5	["4"]
	3.2	The Ten Commandments for Investment- Aggressive Equity investors- Conservative Equity investors	5	["4"]
	3.3	Limits to Arbitrage and Irrationality- Heuristics and Biases: Behavioral biases, loss aversion overconfidence, and anchoring.	5	["4", "5"]
	3.4	Practicum: Behavioral Bias Simulation: Students role-play as investors in a mock trading scenario, making decisions under time pressure to identify biases (e.g., overconfidence in stock picks, anchoring to outdated prices).	5	["4"]

Module	Units	Course Description	Hrs	CO No.
4	Investment Psychology			
	4.1	Investor Sentiment Indices and Market Impact Role of Emotions in Trading and Portfolio Decisions-Neurofinance	4	["5"]
	4.2	Warren Buffet- The Ultimate Businessman-John Templeton- The Bargain Hunter	5	["5"]
	4.3	David Dreman- The contrarian Investor- Charles Ellis- playing the Losers Game	6	["5"]
	4.4	Practicum: Collect data on investor sentiment indices (e.g., VIX) and correlate with market trends, presenting findings	5	["5"]

Teaching and Learning Approach	**Classroom Procedure (Mode of transaction)** Classroom lectures and Authentic Learning: Traditional lectures can provide solid factual knowledge Active –interactive learning, brainstorming, seminar, group activities: Foster student engagement through interactive class discussions

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References

- 1.Modern portfolio Theory and Investment Analysis, Ninth Edition, Edwin J. Elton, Martin J. Gruber,Stephen J. Brown,William N. Goetzmann
- 2.Investment Analysis & Portfolio Management, Frank K. Reilly, Keith C. Brown, Tenth Edition
- 3.Investment Analysis & Portfolio Management, Frank K. Reilly, Keith C. Brown & Sanford J. Leeds, Eleventh Edition
- 4.Investment Analysis and Portfolio Management -Prasanna Chandr
- 5.The Intelligent Investor by Benjamin Graham

Affidavit

- We, St. Thomas College, Kozhenchery and Abraham Mathew, agree to permit the use of our proposed course syllabus by other faculty members within the same discipline for course delivery at their respective institutions.

- We, St. Thomas College, Kozhenchery, agree to appoint a new course coordinator for the proposed Investment Decisions and Portfolio Management in the event of the unavailability of the currently nominated coordinator. This appointment will ensure the continued coordination of course delivery, assessments, and all related academic responsibilities necessary for the successful implementation of the specialization, for as long as the college offers this programme.
- We, St. Thomas College, Kozhenchery and Abraham Mathew, declare that no part of this signature course submitted here for approval has been taken from the course content developed by, or from any of the course titles prepared by, the BoS/expert committee in the same discipline under our University.