Branch Name:	MANAGEMENT
Program Code:	MS201
Course Name:	Fundamentals of FinTech
Course Code:	3MS2010107T
Pre-requisite Course:	Basics of Management

Course Objectives:

1. To build a strong foundation in financial management and decision-making.
2. To introduce FinTech, digital finance, and emerging financial technologies.
3. To develop analytical and data-driven skills for evaluating financial and investment decisions.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				**Evaluation Scheme (Marks)**				
Lecture (L)	**Tutorial (T)**	**Practical (P)**	**Credit**	**Theory (Marks)**		**Practical (Marks)**		**Total (Marks)**
				University Assessment	**Continuous Assessment**	**University Assessment**	**Continuous Assessment**	
2	-	-	2	-	50	-	-	50

Subject Contents:

Sr No.	**Topic**	**Total Hours**	**Weightage (%)**
1	**Fundamentals of Financial Management -** Introduction to Finance Meaning, Definition, and Scope, Objectives of Financial Management Profit Maximization vs Wealth Maximization, Modern Approach to Financial Management – Investment, Financing, Dividend Decisions, Finance and its Relationship with Other Disciplines, Functions of a Finance Manager **FinTech: Introduction and Evolution** Introduction to FinTech – Definition, Scope, and Importance, Transformation in Financial Services – Drivers and Trends FinTech Evolution – Infrastructure, Banks, Startups, and Emerging Markets, Collaboration between Financial Institutions and Startups, FinTech Typology – Classification and Business Models, Emerging Economies: Opportunities and Challenges, From Too Small To Care to Too Big To Fail, Risk & Impact.	15	50

2	**Payments and Crypto currencies**:Introduction to Payments – Individual Payments, Digital Financial Services, and Mobile Money**,** Regulation of Mobile Money – SFMS, RTGS, NEFT, NDS Systems**,** Crypto currencies – Legal, Regulatory Implications, and Market Trends **Introduction to Block chain** – Benefits, Payment Stacks, and Use Cases Digital Finance and Alternative Finance: Financial Innovation and Digitization of Financial Services – FinTech & Funds, Alternative Finance Models – Crowd funding (Donation, Charity, Equity), P2P Lending, Marketplace Lending, Initial Coin Offerings (ICOs) – Concept, Models, and Emerging Products, AI in FinTech Machine Learning, Automation, and Decision-Making, Digital Identity and Emerging Data Models in Finance, The Future of Data-Driven Finance – Trends, Opportunities, and Challenges	15	50

Text Books:

1. Eugene F. Brigham & Michael C. Ehrhardt, “Financial Management: Theory & Practice”, Cengage, Latest Edition
2. Pranay Gupta & T. Mandy Tham, “FinTech: The New DNA of Financial Services” De Gruyter, Latest Edition
3. Agustin Rubini, “Fintech in a Flash: Financial Technology Made Easy”, Zaccheus, 3rd Edition, 2018

Reference Books:

1. Richard A. Brealey, Stewart C. Myers and Franklin Allen, “Principles of Corporate Finance”, McGraw-Hill Education, 14th Edition, 2022.
2. Paolo Sironi, “FinTech Innovation: From Robo-Advisors to Goal Based Investing and Gamification”, Wiley, 2016.
3. Susanne Chishti and Janos Barberis, “The FINTECH Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries”, Wiley, 1st Edition, 2016.
4. Don Tapscott and Alex Tapscott, “Blockchain Revolution: How the Technology Behind Bitcoin Is Changing Money, Business, and the World”, Portfolio/Penguin, Revised Edition, 2018.

Course Learning Outcomes (CLO): On completion of this course, the students will be able to:

CLO	Description	Bloom’s Taxonomy Level
CLO1	Explain the fundamental concepts, objectives, scope and functions of financial management and distinguish between profit maximization and wealth maximization.	Understand
CLO2	Apply financial management concepts to analyse investment, financing and dividend decisions in different business situations.	Apply
CLO3	Analyse the evolution, ecosystem, typology and business models of FinTech and evaluate its impact on traditional financial institutions and emerging markets.	Analyze
CLO4	Evaluate digital payment systems, cryptocurrencies, blockchain applications and alternative finance models in terms of their benefits, risks, regulatory implications and business potential.	Evaluate
CLO5	Evaluate and recommend innovative, data-driven financial solutions using AI, machine learning, digital identity and emerging financial technologies while considering business, ethical, regulatory and risk implications.	Evaluate

Mapping of CLOs with Pos & PSOs

Course Learning Outcomes	Program Outcomes (POs)								Program Specific Outcomes (PSOs)	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CLO1	H	M	M	L	L	-	-	L	H	L
CLO2	M	H	H	M	M	-	-	L	H	L
CLO3	H	H	M	M	M	L	-	L	M	H
CLO4	M	H	M	L	H	L	-	L	M	H
CLO5	M	H	H	M	H	L	L	L	H	H

H: High, M: Medium, L: Low

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