

COURSE TITLE	FOUNDATION OF FINTECH
COURSE CODE	05FN0103
COURSE CREDITS	2

Objective:

- 1 To impart a thorough understanding of FinTech Organization & its Area.
- 2 To impart a thorough understanding of how to use FinTech Technologies and its applications used in day-to-day life.
- 3 To impart through significantly to industry growth through software development, project management, and strategic innovation.
- 4 To impart through diverse career opportunities, from software development to strategic innovation, shaping FinTech's future.
- 5 To introduce various techniques for representation of the data in the real world.

Course Outcomes: After completion of this course, student will be able to:

- 1 Students can empower financial technology organizations to drive innovation and accessibility in financial services by leveraging cutting-edge technologies. This knowledge helps revolutionize traditional finance and fosters trends, startups, and funding across various FinTech sectors.
- 2 By focusing on areas such as payments, lending, and blockchain, students gain in-depth knowledge and practical skills. This expertise enables them to effectively implement and manage technological advancements in these financial services.
- 3 Students can learn that career opportunities within the FinTech industry span across development, management, and innovation. They can gain expertise in software development, project management, and strategic innovation, thereby contributing significantly to the industry's growth.
- 4 Students learn to categorize applications into front end, back end, and database components. This holistic understanding ensures they can develop user-friendly interfaces, robust backend systems, and efficient databases for financial technology solutions
- 5 FinTech technologies such as Web3, analytics, ML, AI, and blockchain empower students to innovate. They apply these technologies to payment gateways, digital banking, stock trading, wealth management, and more, transforming day-to-day financial activities and driving the future of financial technology.

Pre-requisite of course:NA

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
2	0	0	50	30	20	0	0

Contents : Unit	Topics	Contact Hours
1	Introduction about FinTech Primer What is FinTech, Explain FinTech Organizations, Objectives of FinTech Organization, Trends, Start-ups, and Funding in FinTech, FinTech Areas, and Describe Operations of FinTech. , Technologies used in FinTech, Career progression and Opportunity in FinTech Organizations. Explained about FinTech Organization and its functionalities. , Introduction about Application and FinTech Application, explain categorization of Application, Component of Application – FinTech Application, Explain Front End, Back End and Database.	15
2	FinTech Technologies & Applications in Organizations FinTech Technologies – Development – Web3 Technologies and Analytics - ML AI Block Chain, Explain the Payment Gateway app, Lending App, Banking – Digital Application, Stock trading app, Wealth management app, Invoicing app, Account ERP, Tax calculations and filling app, Personal investment app, Bit coin trading app, Asset management app. , Explain about the FinTech Technologies and its applications used in day-to-day life. , FinTech Organization Business Model of Any two FinTech Companies	15
Total Hours		30

Textbook :

- 1 Fintech: The Beginner's Guide to Financial Technology, Susanne Chishti and Janos Barberis, Harriman House Ltd, 2018

References:

- 1 FinTech: The Beginner's Guide to Financial Technology, FinTech: The Beginner's Guide to Financial Technology, Andy Webb, CreateSpace Independent, 2016
- 2 The FinTech Book: The Financial Technology Handbook for Investors, Entrepreneurs, and Visionaries, The FinTech Book: The Financial Technology Handbook for Investors, Entrepreneurs, and Visionaries, Susanne Chishti and Janos Barberis, Wiley, 2016
- 3 Bank 4.0: Banking Everywhere, Never at a Bank, Bank 4.0: Banking Everywhere, Never at a Bank, Brett King, Wiley, 2018
- 4 Blockchain Basics: A Non-Technical Introduction in 25 Steps, Blockchain Basics: A Non-Technical Introduction in 25 Steps, Daniel Drescher, Apress, 2017

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery

Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
20.00	30.00	25.00	15.00	10.00	0.00

Instructional Method:

- 1 Board Work
- 2 PPT
- 3 Demo

Supplementary Resources:

- 1 <https://www.finextra.com/>
- 2 <https://techcrunch.com/tag/fintech/>