

## SEMESTER-VII

### COURSE 19: FUNDAMENTALS OF FINANCIAL TECHNOLOGY

Theory

Credits: 4

4 hrs/week

#### Objectives:

- Link Describe banking and finance ecosystem and the role of consumers in shaping up current environment behavioral finance theories to technological advances in banking.
- Grasp the Fin-tech Platform and Technology
- Ways to analyse and evaluate what is driving technology innovation in Finance.
- How new technology impacts economies, markets, companies, and individuals

#### Learning Outcomes:

1. To be able to understand elements and principles of Fintech
2. To be able to understand the basics of Crypto currencies.
3. To be able to understand dynamics of block chain
4. To able understand the effect of Fintech in various sectors
5. To able understand the open banking.

#### Syllabus:

##### Unit 1: Introduction to Fin-tech

Evolution of Fin-tech across the world. Impact of digital disruption and innovations by Fin-tech on the Banking and Financial Sector

##### Unit 2: The Technology with Fin-tech

Understanding the associated technology with respect to Cloud, Blockchain &Crypto currencies, RoboAdvisors, Biometrics and IoT.

##### Unit 3: Fin-tech Trends

Understand the key Fin-tech trends which will disrupt the Financial Sector.

##### Unit 4: Fin-tech affecting different sectors

Learn the effects of Fin-tech on Payment Innovations, Health, Real-Estate, and Insurance Sector.

##### Unit 5: Open Banking and Digital Only Banking

Introduce the students to the transition to open banking and digital only banking, the technologies involved and the requirement for convenience and user experience.

#### Practical Components

- Students should learn the Fin-tech across the world and Fin-tech trends.
- All the students should learn the risk analysis in to open banking and digital only banking, the technologies involved
- Students should form into teams and prepare presentations on the topics in the syllabus and provide them as assignments or seminars
- All the students should make teams should discuss on Fin-tech affecting different sectors..
- Students should analyse the concept of Financial technology.

### **References:**

1. Bitcoin for Non-Mathematicians: Exploring the foundations of Crypto, SlavaGomzin/ Universal Publishers, USA, Latest 1 ST Edition 2020
2. The Robotics Process Automation, Handbook: A Guide to Implementing, Tom Taulli/ Apress, Latest 1 ST Edition 2020

### Website Reference:

1. <https://www.ibm.com/industries/banking-financial-markets/resources/omnichannelbanking-paper/>
2. <https://thefinancialbrand.com/111080/evolution-future-digital-banking-baastransformation/>