POST GRADUATE CERTIFICATE IN FINTECH (PGCF)

Semester I

Course 1: FinTech Foundations and Overview

1. Evolution and Role of FinTech in the Modern Economy
2. BFSI and FinTech
3. Value Chain in BFSI
4. Financial Service Landscape and FinTech (FSI)
5. Understanding FSI Value Chain
6. FinTech vs. Traditional Financial Services
7. FinTech Governance & Ethics
8. Digital Identity & e-KYC
9. Open Banking & API Economy
10. Digital Payments & Wallets
11. Digital Lending & Credit Innovations
12. WealthTech & InsurTech
13. Blockchain, Cryptocurrency & Emerging Technologies in FinTech
14. Future of FinTech

Course 2: Applied Business Finance

1. Foundations of Business Finance in the Digital Era
2. Financial Markets and Digital Banking
3. Digital Payment Economics
4. Revenue Models of FinTech
5. FinTech Startups and Business Models
6. Automation in Accounting & Finance
7. Digital Lending and Credit Models
8. Microfinance and Economic Development
9. WealthTech and InsurTech in Business Finance
10. ESG Reporting and FinTech
11. Digital Taxation Trends
12. Applied Taxation in the FinTech Context
13. Virtual Currencies and Crypto Taxation
14. Emerging Trends in Applied Business Finance through FinTech

Course 3: Digital Finance and FinTech Ecosystem

1. FinTech Foundations in the Digital Age
2. Digital Transformation in Banking
3. FinTech Innovations in Payment Systems
4. Regulatory Framework for Financial Services
5. Wealth Management Services (Robo-Advisors)
6. Insurance Technology (InsurTech) Trends
7. Credit Risk Management in the Digital Age
8. Financial Literacy Tools & Digital Inclusion
9. Sustainable Finance & Green Banking
10. Open Banking & API Economy
11. Blockchain, Cryptocurrency & Digital Assets
12. Role of FinTech in Consumer Behaviour
13. Global Trends and Future Outlook for FinTech
14. Capstone: The Future of the Digital Finance Ecosystem

Course 4: Applied Financial Analytics

1. Essentials of Financial Analytics for the FinTech Era
2. Understanding Technologies for Analytics
3. Introduction to Data Mining
4. Techniques in Data Mining
5. Applications & Trends in Data Mining
6. AI Tools, Robotics & Process Automation
7. Technologies of E-Commerce
8. Information Security in Business & Finance
9. Business Intelligence (BI) for Financial Analytics
10. BI Tools – Tableau & Power BI
11. API Hub & Connected Banking
12. Advanced BI Tools & Applications
13. E-Commerce Finance & Purchase Finance
14. Applied Financial Analytics: Trends and Future Directions in FinTech

Semester II

Course 1: FinTech Disruptive Innovation

1. Evolution vs. Revolution in Finance
2. Foundations of Disruptive Innovation in FinTech
3. Disruptive Innovations in Finance
4. Diversity of Impact
5. Digital Public Infrastructure (DPI)
6. Government Initiatives in FinTech
7. Generative AI in FinTech
8. AI Applications in Financial Services
9. Blockchain and Decentralized Finance (DeFi)
10. Predicting the Future of FinTech
11. Cybersecurity and Data Privacy
12. Ethical, Social & Inclusion Implications
13. Careers in FinTech
14. Case Studies of Disruptive Innovation

Course 2: FinTech Models & Products

1. Competing on Technological Innovation
2. Organizing for Digital Innovation
3. Foundations of FinTech Models
4. Retail-Oriented FinTech Products
5. Enterprise & Institutional FinTech Products
6. Cloud Computing in FinTech
7. FinTech Platforms
8. Open Banking & API-Based Ecosystems
9. Embedded Finance
10. Blockchain-Based Financial Models
11. AI-Powered FinTech Models
12. Platformization of Financial Services
13. Future of FinTech Products
14. Comparative Case Studies

Course 3: FinTech Risk Management

1. Fundamentals of Risk Management in Finance
2. FinTech Compliance & Corporate Governance
3. Data Risks – Fraud, Financial Crimes & Security
4. Risks of Adopting New Technology
5. Risk Management in BFSI
6. Technical Risks in FinTech
7. Operational Risks in FinTech
8. Governance & Strategic Risks
9. Cybersecurity Threats in Digital Ecosystems
10. AI-Powered Risk Detection
11. Non-Insurance Methods of Risk Management
12. KYC & Customer Due Diligence
13. Emerging Risks in FinTech
14. Case Studies & Regulatory Lessons

Course 4: Regulatory Aspects of FinTech

1. FinTech Security & Regulation
2. Risk Management and Government Control
3. Consumer Protection in FinTech
4. FinTech Regulations – A Legal Perspective
5. Digital Lending Guidelines (India-Specific)
6. Central Bank Digital Currencies (CBDCs) and Regulatory Implications
7. Information Security Management in FinTech
8. Cybersecurity in FinTech
9. Data Privacy and Data Protection
10. AI and Explainability in FinTech
11. Regulation & Financial Profiling
12. Anti-Money Laundering (AML) & Know Your Customer (KYC) Compliance
13. Global Regulatory Trends in FinTech
14. Case Studies in FinTech Regulation

Project

Student is required to submit a project of 100 marks online