

Faculty of Computer Application
B.Sc. (IT) (FinTech-IT in Finance)

- **Semester– 6**
- **Subject Code: 05FN0604**
- **Subject Name: Internship/Capstone Project**
- **Objectives:**
 1. To provide hands-on experience in solving real-world problems in FinTech using the skills acquired throughout the program.
 2. To bridge the gap between academic learning and industry expectations through a structured project.
 3. To foster problem-solving, critical thinking, teamwork, and innovation.
 4. To enhance technical and presentation skills while working on end-to-end project development.
 5. To encourage students to undertake research, product development, or process innovation in FinTech domains.

Project Guidelines:

- The capstone can be **individual** or **group-based** (max 3 members).
- Duration: Minimum 16–18 weeks (including internship if applicable).
- Project types:
 - FinTech Application Development
 - Data Analytics and Predictive Modeling
 - Blockchain-based Financial Products
 - Trading Bots or Algorithmic Strategies
 - Process Automation for Finance
- **Mentor Assignment:** Each student/group must be assigned a faculty mentor.
- **Deliverables:**
 - Project Proposal
 - Mid-term Progress Report
 - Final Report and PPT
 - Code Repository (GitHub preferred)
 - Final Viva/Defense

Course Outcomes:

1. Apply domain knowledge to identify, define, and solve a real-world FinTech problem.
2. Demonstrate the ability to design, develop, test, and deploy a complete FinTech system or analytical model.
3. Work effectively in teams to manage the lifecycle of a capstone project using appropriate tools and methodologies.
4. Evaluate project feasibility, risks, and ethical considerations in FinTech applications.
5. Communicate findings, technical solutions, and outcomes effectively through reports and presentations.

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Course Outcomes – Program Outcomes Mapping Table:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	H	H	M						H	H	M
CO2	H	M	H	H	H				H	H	H
CO3	M	M	H		M	H			H	M	M
CO4	H	M		M		H	M		M	H	M
CO5	M	H						H	M	M	H

Evaluation Scheme:

Component	Marks
Project Proposal & Objectives	15
Mid-term Evaluation	30
Implementation & Output	45
Report Writing	15
Final Presentation & Viva	45
Total	150

Tools/Technologies Recommended (based on project domain):

- Python, R, JavaScript
- Web3.js, Solidity
- React.js, Django, Flask
- Tableau, PowerBI
- MySQL, MongoDB
- GitHub, Docker, AWS, Azure

Suggested Domains:

- Financial Data Analytics
- Blockchain and Smart Contracts
- Cybersecurity in Finance
- API Integration in Banking
- Credit Scoring and Risk Models
- AI-based Fraud Detection
- Personal Finance Apps
- Robotic Process Automation for Finance