JYOTI NIVAS COLLEGE AUTONOMOUS
SYLLABUS FOR 2019 BATCH AND THEREAFTER

Programme: M.Voc. (Banking and Finance)   **Semester: II**

ELECTRONIC BANKING, IT AND AI IN BANKS

Course Code: 19MVB205   **No. of Hours: 60**

COURSE OBJECTIVES:

- To acquaint the students with the process of electronic banking and technology trends in banking
- To familiarize the students on the basic knowledge of banking technology.
- To understand the application of technology to commercial and public sector banks

LEARNING OUTCOMES:

- To enable the evaluating process of the CTS policies and disaster recovery management of banks.
- To avail the facility of internet banking, mobile banking and online banking..
- Creating awareness about computerization of bank operations.
- Basic knowledge of banking technology and its application to commercial and public sector banks
- To understand the working of AI in banking sector.

UNIT I: AN INTRODUCTION   **10 HRS**
Information Technology and its Implications

Information Technology

Indian Banking Scenario — Initiatives and Trends

UNIT II: APPLICATIONS IN BANKING   **10 HRS**
Computer-based Information Systems for Banking

Electronic Banking

Electronic Fund Management

UNIT III: ENABLING TECHNOLOGIES OF MODERN BANKING   **12 HRS**
Electronic Commerce and Banking

Supply Chain Management

Customer Relationship Management

Integrated Communication Networks for Banks

UNIT IV: SECURITY AND CONTROL SYSTEMS   **8 HRS**

Computer Security and Disaster Management

System Audit and Computer Crime

Security and Control Aspects of Emerging Banking Technologies

UNIT V: PLANNING AND IMPLMENTATION OF INFORMATION SYSTEMS

10 HRS

Security and Control Aspects of Emerging Banking Technologies

Data Warehousing and Data Mining

Designing and Implementing Computerization in Banking Sector

UNIT V: ARTIFICIAL INTELLIGENCE IN BANKING   10 HRS

Introduction to AI: the current scenario. Approaches to AI

Problem solving and Search; Planning, Introduction to Neural Networks, Deep learning.

Decision Trees and Random Forests

Ethics of AI

Future of AI, AI's impact on the economy, Re-definition of organizations and jobs.

PRACTICAL COMPONENTS:

- Visit a bank branch and observe the technology used to deliver service to customers. Write a report.
- Analyse the security systems used in banking operations in a bank.
- Critically evaluate their effectiveness in view of the various lapses in banking security.
- Write a report on the growing use of artificial intelligence by banks and the customer's acceptance to this type of banking.

BOOKS FOR REFERENCE:

1. Banking technology-IIBF

2. Retail Banking Technology by Violano Michael-WILEY

3. IIBF Information Technology, Data Communications & Electronic Banking

4. IIBF, Information Technology