



# बिरसा मुंडा ट्रायबल युनिवर्सिटी Birsā Mūṇḁā Ḍāyabala Yūnīvārsīṭī

राजपिपला, जि० नर्मदा Rajpipla, Dist. Narmda

Established by Tribal Development Department, Govt. of Gujarat

## School of Arts

### M.A. (Economics) Programme

#### Subject Code & Name: MA01SECO01 & Digital Banking

#### Teaching and Evaluation Scheme:

| Teaching Scheme |   |   |       | Examination Scheme  |     |     |     |
|-----------------|---|---|-------|---------------------|-----|-----|-----|
| Credits         |   |   |       | Component Weightage |     |     |     |
|                 |   |   |       | CCE                 |     | SEE |     |
| L               | T | P | Total | TH                  | PWE | TH  | PWE |
| 2               | - | - | 2     | 25                  | -   | 25  | -   |

|                               |                            |
|-------------------------------|----------------------------|
| Programme Name                | Master of Arts (Economics) |
| Semester                      | I                          |
| Course Code                   | MA01SECO01                 |
| Course Title                  | Digital Banking            |
| Course Content Type (Th./Pr.) | Theory                     |
| Course Credit                 | 2                          |
| Sessions+ Lab. Per Week       | 2 Sessions + N.A.          |
| Total Teaching/Lab. Hours     | 30 Hours                   |
| * 2 Laboratory = 1 Session    |                            |

#### Learning Objectives

1. To understand the fundamentals of digital banking and payment systems, including their evolution, key differences from traditional banking and the functioning of major digital payment platforms in India such as cards, electronic fund transfer systems and UPI-based services.
2. To develop awareness of digital security, fraud risks, and consumer protection mechanisms, with special reference to safe banking practices, grievance redressal systems, and the role of digital banking in promoting financial inclusion and a cashless economy.

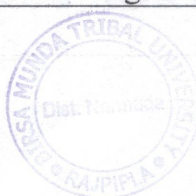
#### 1. Prerequisites (if any)

1. Basic knowledge of banking and monetary economics.

#### Learning Outcomes

After completing this course, students will be able to understand:

1. Fundamentals of digital banking and payment systems, including their evolution, differences from traditional banking, and the functioning of major digital payment platforms in India such as cards, electronic fund transfer systems, and UPI-based services.
2. Importance of digital security and consumer protection, including common cyber frauds and safe banking practices, as well as the role of digital banking in financial inclusion.





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## School of Arts M.A. (Economics) Programme

### Detailed Contents

| UNIT                | TOPIC/SUB-TOPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TEACHING HOURS |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| I                   | <b>Fundamentals of Digital Banking and Payment Systems</b> <ul style="list-style-type: none"><li>❖ Introduction, Meaning and Evolution of Digital Banking</li><li>❖ Difference between Traditional and Digital Banking</li><li>❖ Benefits to Customers and Banks</li><li>❖ Digital Payment Systems in India</li><li>❖ Cards: Debit, Credit, and Prepaid Cards (EMV chip technology). Electronic Fund Transfer</li><li>❖ NEFT (National Electronic Fund Transfer) - RTGS (Real Time Gross Settlement) - IMPS (Immediate Payment Service)</li><li>❖ The UPI Revolution: Unified Payments Interface (UPI) Concepts, Working, and role of BHIM and third-party apps (Google Pay, Phone Pe etc.)</li><li>❖ New Age Banking Models: Introduction to Mobile Banking, Internet Banking, and Digital Wallets: Concept of Neobanks and Virtual Banking.</li></ul> | 15             |
| II                  | <b>Digital Security, Frauds and Financial Inclusion</b> <ul style="list-style-type: none"><li>❖ Security Measures</li><li>❖ Understanding OTP (One Time Password)</li><li>❖ Biometric Authentication, Two Factor Authentication (2FA) and Digital Signatures</li><li>❖ Cyber Threats and Frauds: Common banking frauds (Phishing, Vishing, Sim swapping)</li><li>❖ Best practices for Safe Banking</li><li>❖ Digital Banking and the Economy: Role of Digital Banking in Financial Inclusion (Pradhan Mantri Jan Dhan Yojana)</li><li>❖ The concept of a Cashless Economy. Grievance Redressal: RBI's Integrated Ombudsman Scheme; How to report a digital fraud; Rights of a digital banking customer</li></ul>                                                                                                                                        | 15             |
| <b>Text Book(s)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |





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### Reference Books

1. Lohana, S. (n.d.). *Digital banking and cyber security*. New Century Publications.
2. Singh, J. (n.d.). *Digital payments in India: Background, trends and opportunities*. New Century Publications.
3. Desai, V. (2021). *Digital banking*. Vikas Publishing.
4. Ashish, D. N. (2022). *Digital banking in India: Impact, prospects and challenges*. Global Academic Publishing.
5. Singh, S., & Verma, M. (2019). *Introduction to digital banking*. Macmillan.
6. Reserve Bank of India. (n.d.). *RBI guidelines on digital banking and payment systems*. RBI.
7. Ministry of Electronics and Information Technology, Government of India. (2023). *Report on the progress of digital payments in India*. Government of India.
8. Sharma, N. (n.d.). *Digital banking: A guide to modern banking*.
9. Bhole, L. M. (n.d.). *Financial institutions and markets: An Indian perspective*.

### Web Resources

[www.rbi.org](http://www.rbi.org)

### Required Software(s) (if any)

N/A

### Practical(s) (if any)

N/A

**L::** Lecture, **T::** Tutorial, **P::** Practical

**CCE::** Continuous and Comprehensive Evaluation

(CCE Theory includes Mid Semester Examination, Assignment, MCQ quizzes, Seminar, Reflective notes, class participation, case analysis and presentation, slip tests (announced/surprised), attendance etc. or any combination of these)

**PWE::** Practical Work Examination

(PWE includes Laboratory practical work, project work, viva simulation exercise work etc.)

**SEE::** Semester End Evaluation

