DSEA001 – Digital Accounting

Masters of Commerce
Semester I
DSE – Accounting
DSEA001- Digital Accounting

Course Type/ Course Code	Course Title	Lectures	Tutorials	Practical	Credit	Pre-requisites
DSE- DSEA001	Digital Accounting	3	0	1	4	NIL

Objective: The course aims to equip students with a comprehensive understanding of digital accounting systems, tools, and practices relevant to modern business environments. The students will gain practical skills in using leading accounting software for recording transactions, managing compliance (GST/TDS), payroll, and generating reports.

Learning Outcomes: On completion of this course, the student should be able to:

- Explain the role of IT and automation tools such as ERP, RPA, and cloud platforms in modern accounting.
- Use accounting software to record transactions, manage inventory, and generate basic accounting reports
- Handle GST, TDS, and payroll functions using digital tools.
- Identify key challenges and new trends in digital accounting like cybersecurity, blockchain, and AI, Green Accounting

Contents:

Unit I **(11 hours)**
Digital Accounting, Benefits and limitations of Digital Accounting: Traditional vs. Digital Accounting Systems; Skillset of a digital accountant; Role of IT in Modern Accounting; Introduction to Cloud accounting, ERP (Enterprise Resource Planning), RPA (Robotic Process Automation), E-Invoicing, Digital Ledger, OCR; Government initiatives in digitization of accounting systems in India; Overview of Regulatory and Legal Framework for Digital Accounting in India

Unit II **(12 hours)**
Overview of modern accounting software: (e.g. Tally Prime, Zoho Books, QuickBooks, Spreadsheet); Installation, Interface, and Configuration; Creating Company Accounts and Chart of Accounts; Recording Transactions: Sales, Purchases, Payments, Inventory management Receipts; Bank Reconciliation Process; Expense Tracking and Budgeting Tools; Cloud-based Storage and Data Backup

Unit III **(12 hours)**
GST and TDS configuration through software: creating service companies, enabling GST features, GST and TDS compliance - recording intra/inter-state purchases and sales, and generating GSTR-1 and GSTR-2 reports; Introduction to Payroll management, including features, creation of payroll masters, employee groups, units of work, attendance, pay heads, payroll vouchers, and generating payslips and pay sheets.

Unit IV **(10 hours)**
Challenges in Digital Accounting: Implementation, Cybersecurity issues etc; XBRL and Digital Financial Statements; Mobile-based accounting applications; Global Trends in Digital Accounting: IoT, Metaverse in financial management, Green Accounting Platforms, Blockchain; AI/ML in Predictive Accounting; International Practices in Digital Accounting.

Practical Exercise: Students will gain practical experience through hands-on assignments using appropriate accounting software tools, while developing a comprehensive understanding of modern accounting practices. Exercises will include company creation, transaction entry, GST setup, bank reconciliation, payroll configuration, and report generation. Mini-projects and case-based simulations will enhance real-world understanding of compliance, automation, and reporting. These activities aim to develop technical proficiency and business application skills in students.

Suggested Readings:

- Chatterjee, P. (2021). *Fundamentals of accounting software (TallyPrime)*. Dreamtech Press.
- Gelinas, U. J., Dull, R. B., & Wheeler, P. R. (2018). *Accounting information systems* (11th ed.). Cengage Learning.
- Romney, M. B., & Steinbart, P. J. (2021). *Accounting information systems* (15th ed.). Pearson.
- Saini, R. K. (2022). *GST and digital compliance: A practical guide*. Taxmann Publications.
- Turner, L., & Weickgenannt, A. (2020). *Accounting information systems: Controls and processes* (3rd ed.). Wiley.
- Warren, C. S., Reeve, J. M., & Duchac, J. E. (2018). *Financial accounting* (27th ed.). Cengage Learning.