

SHREE NARAYANA COLLEGE OF COMMERCE

AHMEDABAD

Name of the Department: Accounts Department

Subject: Ai in accounting and commerce

Class & Semester: 4th Year

Faculty Name: Assistant Professor Siddharth Mer

ASSIGNMENT (2026 – 2027)

SECTION – 1 (UNIT – 1)

Unit-01: What is Artificial Intelligence? & Major Technologies

1. Explain the meaning of intelligence: human vs. artificial.
2. Give the formal definitions of Artificial Intelligence.
3. Explain the levels of AI: ANI, AGI and ASI.
4. Explain machine learning and deep learning.
5. Explain with a simple analogy how teaching a child rules differs from letting the child learn from experience.
6. Case study: How does Google Photos recognise faces, from pixels to identification?
7. What is NLP? Explain how machines are taught to understand, interpret and generate human language.
8. Explain NLP for Indian languages with reference to Bhashini and AI4Bharat.
9. Discuss the limitations of Generative AI.

SECTION – 2 (UNIT – 2)

Unit-02: Data, Society & Career Readiness

1. What is data? Explain its meaning.
2. Explain the types of data.
3. Explain the data pipeline.
4. Why does data quality matter? Explain "Garbage In, Garbage Out".
5. Case study: How does IRCTC manage millions of booking records in real time?
6. Explain Aadhaar and data governance in India (case study).
7. Discuss AI and society: opportunities, challenges and ethics.
8. Explain the six pillars of responsible AI.

SECTION – 3 (UNIT – 3)

Unit-03: AI in Commerce I: Auditing & Taxation

1. Explain the paradigm shift in auditing from sampling to full-population testing.
2. Explain continuous auditing: from periodic reviews to real-time assurance.
3. Discuss AI as a collaborator, not a replacement.
4. Explain the DPDP Act, 2023 and the auditor's role as a data fiduciary.
5. Discuss AI-driven tax administration in India.
6. Explain automation, analytics and taxpayer assistance in tax practice.

SECTION – 4 (UNIT – 4)

Unit-04: AI in Commerce II: Financial Reporting & Management Accounting

1. Explain data extraction, dashboards and automated analysis.
2. Discuss the use of AI in management accounting: cost allocation and budgeting.
3. Explain the changing role of accounting professionals and governance.

SECTION – 5 (REVISION & PRACTICE)

Question:

From Unit 1 to Unit 4, draft the following:

1. Multiple Choice Questions (MCQs)
