


SYLLABUS OF CC- USE OF AI IN COST ACCOUNTING

(S.Y.B.COM. SEM.-3 A.Y.2025-26)

	Resource Person:
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	Experience: 17 years
Course Objective:	<ol style="list-style-type: none"> 1. Gain a solid foundation in cost accounting principles, key costing methods, and the role of AI in modern accounting practices. 2. Learn how AI enhances different costing techniques, such as job costing, process costing through automation and data analysis. 3. Understand how AI-driven tools optimize cost allocation across departments, products, and services, reducing manual effort and improving accuracy. 4. Develop the ability to automate variance calculations, analyze cost deviations, and generate actionable insights using AI-driven analytics. 5. Examine case studies showcasing successful AI implementation in cost accounting across various industries.
Expected Outcome:	Student will understand how to use AI in Cost Accounting.
Evaluation Method:	MCQ
	COURSE CONTENT
Unit-1:	Introduction to Cost Accounting & AI
	Overview of Cost Accounting: Definitions, importance, and types of costs (fixed, variable, semi-variable). Key cost accounting methods (job costing, process costing etc.).
	Introduction to AI: Introduction to AI: Basics of AI and AI tools in finance, Understanding how AI can be integrated into cost accounting processes.
Unit-2:	AI and various costing methods:
	Use of AI in various methods of Costing

	Practical examples of using AI in various methods of Costing
Unit-3:	Cost Allocation and Distribution Using AI
	How AI can automate cost allocation across departments, products, or services.
	Practical examples of using AI for cost distribution.
Unit-4:	Variance Analysis Using AI
	Introduction to variance analysis: Analyzing materials and labor variances.
	Automating variance calculation and reporting with AI.
	Using AI to interpret variance reports and generate actionable insights.
Unit – 5	Case Studies
	Real-World Case Studies: Successful application of AI in Cost Accounting across industries.
Reference Books:	<ol style="list-style-type: none"> 1. Artificial Intelligence in Accounting and Auditing towards New Paradigms, Volume – 4 2. Cost Accounting – Jawaharlal