

CVM5401 Accounting for Engineers

Level	5
Course Code	CVM5401
Course Title	Accounting for Engineers
Credit value	4
Core/Optional	Core (Common)
Course Aim/s	To provide knowledge of terms, principles, procedures and techniques in Accounting in Engineering context.
Course Learning Outcomes (CLO):	<p>At the completion of this course student will be able to:</p> <p>CLO1: Explain the overall purpose of learning accounting by engineering professionals and describe the purpose of Accounting Equation and its importance.</p> <p>CLO2: Explain the different situations where source documents that are used for accounting can be adopted.</p> <p>CLO3: Describe how to do accounting for purchasing and supplying, and how to do accounting for stocks and depreciation.</p> <p>CLO4: Explain how to prepare a Trail Balance and the reasons for preparing a Trial Balance.</p> <p>CLO5: Explain the procedure of preparing the Trading Account and the Profit and Loss Account and the purposes of these two accounts.</p> <p>CLO6: Outline the broad concept of what Cost and Management Accounting is and elaborate on the key concepts in cost accounting,</p> <p>CLO7: Describe different methods of pricing and return on investment.</p> <p>CLO8: Outline the concept of Capital Budgeting and explain Risk Management in Accounting, and describe Social and Environmental Accounting</p>
Content (Main topics, sub topics)	<p>Outline Syllabus:</p> <p>Unit 01: Introduction to Accounting Session 01: Introduction to Accounting for Engineers Session 02: Fundamental concepts of Accounting Session 03: Accounting Equation and its importance Session 04: Double Entry System Session 05: Layout of an Account</p> <p>Unit 02: Source Documents Session 06: Source Documents used for Accounting Session 07: Primary Books Session 08: Journals Session 09: Cash Book and the importance of it Session 10: Petty Cash and accounting for Petty Cash</p> <p>Unit 03: Types of Accounts 1 Session 11: Accounting for purchasing and supplying Session 12: Accounting for Stocks and depreciation Session 13: General Ledger Session 14: Trial Balance Session 15: Rectifying the errors in recorded transactions</p> <p>Unit 04: Types of Accounts II Session 16: Trading Account Session 17: Profit and Loss Account Session 18: Balance Sheet Session 19: Accrued and Prepaid expenses Session 20: Company health metrics using Ratios</p> <p>Unit 05: Cost Accounting Session 21: Introduction to Cost and Management Accounting Session 22: Key concepts of cost accounting Session 23: Traditional Costing Methods</p>

Session 24: Modern Costing Methods
Unit 06: Pricing and Capital Budgeting
Session 25: Pricing and Business Objectives
Session 26: Pricing Strategies
Session 27: Pricing and return on investment methods
Session 28: Introduction to Capital Budgeting
Session 29: Risk Management in Accounting
Session 30: Social and Environmental Accounting

Mini Project:

Both mini projects-exercises have been designed in such a manner that the student is expected to:

1. Comprehend the mini project exercise, work out a strategy to execute the mini project exercise and clearly identify the different steps of the process of executing the exercise.
2. Decide on a separate methodology for each step of the mini project exercise and carry out the mini project exercise.
3. Analyze the answers/responses/data received and write the mini project report.