

SVKM's NMIMS
Mukesh Patel School of Technology Management & Engineering

Program: B. Tech (Computer Engineering)				Semester: V	
Course/Module: Management Accounting for Engineers				Module Code: BTCO05014	
Teaching Scheme				Evaluation Scheme	
Lecture (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit	Internal Continuous Assessment (ICA) (Marks - 50)	Term End Examinations (TEE) (Marks- 100 in Question Paper)
2	---	---	2	Marks Scaled to 50	Marks Scaled to 50
Prerequisite: Nil					
Objectives: <ol style="list-style-type: none"> 1. To provide conceptual understanding of Cost and Management Accounting principles and practices relevant for business analysis and decision making. 2. To develop the ability to understand, analyze and use cost information in day-to-day business functioning. 3. To provide an understanding of measurement of cost and tracing the costs to products and customers. 4. To explain the role of relevant costs in decision making and developing better strategies. 5. To discuss contemporary issues in Cost and Management Accounting and their practical applications. 					



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Outcomes:

After completion of this course, participants should be able to;

1. Understand the principles of various Costing methods viz., Activity Based Costing (ABC) Method, Job and Process Costing Methods.
2. Preparation of cost sheet
3. Apply Cost-Volume-Profit Analysis in business decision making.
4. Analyze Price and Cost Variances
5. Using budgetary control techniques for managerial decision making
6. Apply different methods of Inventory management
7. Apply Activity Based Costing to generate reliable and accurate product cost data

Detailed Syllabus: (per session plan)

Unit	Description	Duration
1	<p>Topic:</p> <p>Introduction to Cost accounting and Cost concepts:</p> <ul style="list-style-type: none"> • Interface of Financial accounting with Cost accounting – • Methods of costing • Types of Costing • Classification of Costs based on Behaviour • Classification of Costs based on Behaviour <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill – Chapter1 and 2</p> <p>Outcome addressed 1</p>	2



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2	<p>Topic:</p> <p>Cost Concepts</p> <ul style="list-style-type: none">• Classification of Costs based on Degree of Traceability to the product• Functional Classification of Costs• Costs for Decision making and planning <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 2</p> <p>Outcome addressed 1</p>	2	
3	<p>Topic:</p> <p>Preparation of Cost sheet</p> <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 2</p> <p>Outcome addressed 2</p>	2	



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4	<p>Topic:</p> <p>Cost-Volume-Profit Analysis:</p> <ul style="list-style-type: none">• Concept of Marginal Costing• Cost-Volume-Profit relationship –• The break-even point – <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 16</p> <p>Outcome addressed 3</p>	2
5	<p>Topic:</p> <p>Cost-Volume-Profit Analysis:</p> <ul style="list-style-type: none">• Contribution margin concept –• Margin of safety	2



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	<p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 16</p> <p>Outcome addressed 3</p>	
6	<p>Topic:</p> <p>Cost-Volume-Profit Analysis:</p> <ul style="list-style-type: none"> Applying cost-volume-profit analysis – <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 16</p> <p>Outcome addressed 3</p>	2
7	<p>Topic:</p> <p>Decisions making:</p>	2



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	<ul style="list-style-type: none"> • Alternative choice decisions – • Limiting factor decisions • Add or drop products <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 17</p> <p>Outcome addressed 3</p>		
8	<p>Topic:</p> <p>Decisions making:</p> <ul style="list-style-type: none"> • Make or Buy decisions • Shut down decision • Special orders <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 17</p> <p>Outcome addressed 3</p>	2	



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9	<p>Topic:</p> <p>Variance analysis-</p> <ul style="list-style-type: none"> • Direct material variances • Cost Variance • Price Variance • Usage Variance <p>Readings:</p> <p>Cost accounting, 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 19</p> <p>Outcome addressed 4</p>	2
10	<p>Topic:</p> <p>Variance analysis-</p> <ul style="list-style-type: none"> • Direct labour variances • Cost Variance • Rate Variance • Efficiency Variance 	2



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	<p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 19</p> <p>Outcome addressed 4</p>	
11	<p>Topic:</p> <p>Budgetary Control</p> <ul style="list-style-type: none"> Flexible Budget <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 20</p> <p>Outcome addressed 5</p>	2
12	<p>Topic:</p> <p>Budgetary Control</p> <ul style="list-style-type: none"> Cash Budget 	2



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	<p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 20</p> <p>Outcome addressed 5</p>	
13	<p>Topic:</p> <p>Inventory Management</p> <ul style="list-style-type: none">• EOQ• Inventory levels- Minimum, Maximum, Re-order, Average• Inventory control Techniques- ABC Analysis, JIT method <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 3</p> <p>Outcome addressed 6</p>	2
14	<p>Topic:</p> <p>Activity Based Costing</p> <ul style="list-style-type: none">• under costing and over costing-	2



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	<ul style="list-style-type: none"> • traditional vs activity-based costing- • Evaluation of costs and benefits of implementing ABC systems <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 8</p> <p>Outcome addressed 7</p>		
15	<p>Topic:</p> <p>Activity Based Costing</p> <ul style="list-style-type: none"> • Application of Activity based costing in decision making <p>Readings:</p> <p>Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill - Chapter 8</p> <p>Outcome addressed 7</p>	2	
	Total	30	



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Text Book :

Cost accounting. 5/e, Lal. J., & Srivastava, S. (2013). New Delhi, Tata McGraw Hill.

Reference Books:

- Horngren, C., Datar, S. & Rajan, M. (2014). *Cost accounting: A managerial emphasis*. 15/e, New Delhi, Pearson Publication.
- Khan, M.Y., & Jain, P.K. (2007). *Cost accounting*. 7/e, New Delhi, Tata Mc- Graw Hill.
- Ramanathan, S. (2014). *Accounting for Management*. New Delhi, Oxford University Press.
- Shah, P. (2012). *Management Accounting*. 7/e, New Delhi, Oxford University Press.
- Sanyers, J., & Jenkins, & Arora. (2012). *Managerial Accounting*. 1/e, Delhi, Cengage Learning.

Internet References:

<http://icmai.in>

<https://www.cimaglobal.com>

Any other information:

Detail of Test: Questions based on concepts, applications and numerical

MT-01: Scope: Topics from Unit - 01 to 06 for 10 Marks

MT-02: Scope: Topics from Unit - 07 to 09 for 10 Marks

Test Marks – 20 Marks



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Term Work – 30 Marks

Details of Term work: Projects/Presentations application of concepts from on Unit 01 to Unit 15.



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