

**VCARE** ACADEMY



**RADIX**  
DEVELOPMENT

# CPIA

## CERTIFIED PRODUCTION AND INVENTORY ANALYST



# GET RECOGNIZED PROGRAM OBJECTIVE

The aim of **Certified Production and Inventory Analyst** training is to provide the foundation skills and knowledge in the field of manufacturing and operations management.

Certified Production and Inventory Analyst is designed to help you develop an understanding of:

- ▶ Introduction to Manufacturing and Operations Management
- ▶ Planning and Scheduling
- ▶ Materials Management
- ▶ Manufacturing and Manufacturing Processes
- ▶ Manufacturing and Operations Support Functions



## WELCOME TO VCARE

### Discover Next Generation Learning with VCARE

At VCARE we know that there is much more than just offering content-based training, more to learn from the experience of seasoned professionals, more to being a smart worker rather than a hard worker, more to sharing best practice and excelling toward a professional career. At VCARE we try to mix and match quality training with proven experience in all of our programs.

VCARE in association with its international affiliates is able to offer a wide range of training and education programs to help you grow and excel in your career.

Whether you are just beginning your career or you are a seasoned professional you can never know enough. At VCARE we subscribe to the notion that education and training is a life long journey.

## INNOVATIVE LEARNING METHODS

We offer a unique approach to achieving a qualification, tailoring studies to our learners' in accordance with their needs and requirements. We promote best practice and high standards in industry, working to support and assist business and individuals through the implementation of blended learning.

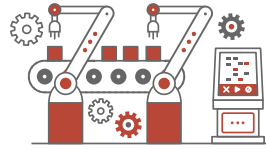
## ABOUT PROGRAM

Operating within a manufacturing and operations environment and having control over the wide range of manufacturing activities that take place within a typical manufacturing or process industry is a competitive advantage in today's dynamic economy. Gaining this competitive advantage requires being able to identify the various operations within manufacturing and operations, and in turn recognizing the need to initiate and implement a number of continuous improvement initiatives to reduce operating costs and increase throughput.

This program is designed to increase your knowledge of a business environment and in particular the role manufacturing plays in business. The program will provide insights into the many opportunities that exist within manufacturing for well-qualified personnel.

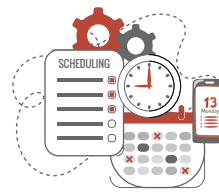
The program covers the role of manufacturing and operations in the 21st century, how manufacturing forms the "engine" of the supply chain, the role of planning and scheduling in manufacturing, the various manufacturing strategies and engineering materials, and the materials management and industrial engineering support functions. Each presents a challenge to those who are engaged in the field of manufacturing and operations.

## COURSE OUTLINE



### MODULE 1 INTRODUCTION TO MANUFACTURING & OPERATIONS MANAGEMENT

- 1.1 Business Formation and Business Strategy
- 1.2 Business Functions and Activities
- 1.3 Management
- 1.4 Supply Chains and Customer Service



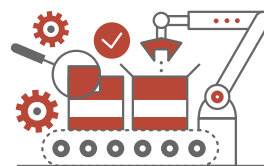
### MODULE 2 OPERATIONS PLANNING AND SCHEDULING

- 2.1 Forecasting & Demand Management
- 2.2 Planning and Scheduling
- 2.3 Materials Planning
- 2.4 Capacity Planning



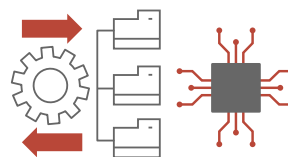
### MODULE 3 MATERIALS MANAGEMENT

- 3.1 Purchasing, and Warehousing
- 3.2 Inventory Management and Materials Handling
- 3.3 Transportation and Distribution



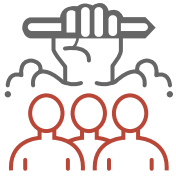
### MODULE 4 MANUFACTURING & MANUFACTURING PROCESSES

- 4.1 Manufacturing and Technology
- 4.2 Manufacturing Strategies
- 4.3 Types of Production
- 4.4 Manufacturing Processing, & Manufacturing Materials



### MODULE 5 MANUFACTURING & OPERATIONS SUPPORT FUNCTIONS

- 5.1 Industrial Engineering and Productivity Improvement
- 5.2 Quality, Inspection, Metrology, & Maintenance
- 5.3 Lean and Waste Management
- 5.4 Continuous Improvement



## PERFECT PROGRAM FOR

- **Manufacturing personnel**, particularly those at an operational level tasked with participating in a manufacturing environment
- **Manufacturing supervision**, those entrusted with the operation of a company's manufacturing facilities
- **Individuals wishing to enhance their knowledge** of manufacturing and operations in the 21st Century
- **Career starters** wishing to make manufacturing and operations a career within the supply chain



## COURSE INCLUDES

- **40 Hours of classroom** participation led by a supply chain professional
- **Text book**
- **Work book** with power point visuals, outcomes, summaries and key words
- **Glossary of terms**
- **Self assessment** questions for each module
- **2 hours program** review.
- **Multiple choice exam** (60% minimum pass mark)



## ONLINE PROCTORED FINAL EXAM

<b>Duration</b>	180 Mins
<b>Questions</b>	100 - Multiple Choice
<b>Examination</b>	Online
<b>Passing Criteria</b>	60%



## ASSESSMENT CRITERIA

Certified Production and Inventory Associate Body of Knowledge

<b>Introduction to Manufacturing &amp; Operations Management</b>	10%
<b>Operations Planning and Scheduling</b>	15%
<b>Materials Management</b>	25%
<b>Manufacturing and Manufacturing Processes</b>	30%
<b>Manufacturing and Operations Support Functions</b>	20%



## ABOUT THE COURSE

- **Pre-Requisites**  
None
- **Delivery Methodology**  
Online & Face To Face
- **Course Language**  
English
- **Workshop & Exam Session Fee**  
US\$ 1,450



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**VCARE Academy** was founded with the vision to become the world class leader in research and education in the field of value chain management. **VCARE Academy** is partnered with many International affiliates around the globe. This enables us to provide our clients with internationally recognized accredited qualifications and research opportunities in the ever-evolving field of value chain management. **VCARE Academy** in association with its international affiliates is able to offer a wide range of training and education programs to help you grow and excel in your career.

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