



FMM INSTITUTE (Centre for Professional Development)

Wisma FMM, No. 3, Persiaran Dagang, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur
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INDUSTRY-BASED CERTIFICATION PROGRAMME (INBASE)

FREE for HRDF
Contributors

FMM CERTIFICATE IN PRODUCTION PLANNING AND CONTROL

FMM Certificate in Production Planning and Control is specially designed for the professional development of employees in the manufacturing sector. This programme will cover knowledge on the concepts and tools of Production Planning and Control, Production Scheduling and Measurement and how they are implemented at the manufacturing shopfloor.



WHO SHOULD ATTEND

This programme is meant for those who are currently involved in the production and operations. It is also recommended for those at supervisory and junior/middle management levels.

ENTRY REQUIREMENTS

- Minimum MCE/SPM/SPVM education level
- Minimum 1 year working experience

AWARD OF CERTIFICATION

Upon successful completion of the course and its coursework, participants will be awarded the **Certificate of Achievement**. Participants who have attended at least 80% of the programme will be awarded a **Certificate of Attendance**.

COURSE OBJECTIVES

- Understand the concepts and tools used in planning and operating an effective manufacturing system
- Understand the approaches and techniques needed to ensure the effectiveness and efficiency in daily production operations
- Develop potential team-leaders in the manufacturing industry

COURSE STRUCTURE

Number of Contact Days : 5 days

Lecture Days : Saturday & Sunday

Time : 9.00 am – 5.00 pm

ADMINISTRATIVE DETAILS

Dates : **October 7, 8, 14, 15 & 28, 2017**

Venue : **FMM Institute**
Wisma FMM
No.3, Persiaran Dagang, PJU 9
Bandar Sri Damansara
52200 Kuala Lumpur



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COURSE CONTENTS

Module 1: Introduction to Production

Planning and Control and Production

Planning Systems

- Aggregate Planning and Capacity Planning
- Master Production Scheduling

Module 2: Material Requirement Planning (MRP)

- Objectives and Applicability of MRP
- Inputs and Outputs of MRP
- Implementation Issues

Module 3: Inventory Management

- Independent and Dependent Demand
- The Cost of Inventory
- ABC Analysis
- Inventory Modules for Independent Demand
- Safety Stock and Safety Leadtimes

Module 4: Just-In-Time (JIT)

- Philosophy of Operations
- Techniques for Managing Operations
- Methods of Planning and Control
- Drawbacks of JIT

Module 5: Supply Chain Management

- Purchasing
- Distribution/Logistics
- Materials Management
- Supply Chain Policy and Operations Strategy
- Supply Chain Dynamics

Module 6: Maintenance Management and Major Losses

- Goal of Total Productive Maintenance (TPM)
- Overall Equipment Effectiveness
- TPM Development



Trainer Profile

PARAMESVARAN A/L MUNIANDY

Paramesvaran A/L Muniandy has almost 20 years of experience in the field of Operations Management in a multi-national Japanese manufacturing company. He holds a Master of Energy & Environment Management, a Masters of Business Administration, a Bachelor of Business Engineering, a Post Diploma in Marketing and a Professional Diploma in Total Quality Management. Currently, he is pursuing his PhD in Business Administration (Bulacan State University). Besides that, he is a Certified Professional Trainer (ARTDO International), an IRCA Certified Environmental Management System Auditor (SGS) and 5S Quality Environment (QE) Trainer. He specialises in the field of Operations Management, Total Quality Management System, 5S Organisation, Human Resource Management and Supply Chain Management. He also trains ISO Certification programmes on Quality (QMS ISO 9001) and Environmental Management (ISO 14001). His trainings are mostly tailor-made according to the clients' needs; realigning and reengineering the Organisation Systems and Procedures (SOP/KPI) to meet the organisational objectives effectively and efficiently. He had conducted a wide range of trainings programmes and also provided consultation services to the manufacturing and services sectors. The successful system and process improvement initiatives (5S, Kaizen, Poka Yoke, etc.) had boosted their organisations' productivity and performance at the global arena.