



**February
22 & 23, 2016
Monday &
Tuesday
8:45 am - 5:00 pm
@ FMM Institute, Perak**

OBJECTIVES

Upon completion of this course, participants will be able to :

- define production capacity and decisions towards determining capacity
- examine the approaches to capacity planning and factors to be considered
- explore options which a company has for increasing the capacity
- understand demand forecasting models

WHO SHOULD ATTEND

Target participants for this course are operations team consisting of Production Planners, Industrial Engineers, Process Engineers, Production Managers/ Executives/ Supervisors

Production Capacity Planning

category **PRODUCTION/OPERATIONS**

Production capacity represents the rate at which a transformation system can create outputs, and it was designed to quickly adjust to match a highly variable demand rate. Basically the organizational ability to better manage the production capacity will determine their survivability in competitive market.

Course Content

INTRODUCTION

- What is Production Capacity Planning?
- The Need for Capacity Planning
- Traditional vs Modern View of Capacity
- Types of Production Systems
- Capacity Planning Decisions
- Measuring Efficiency, Utilization & Capacity

CAPACITY MANAGEMENT THEORY

- Load vs Capacity
- TOC & Defining Bottleneck
- Limits on Capacity
- Impact on Utilization
- Effect of Batch Sizing on Capacity
- 3 Steps for Capacity Planning

FORECASTING DEMAND MODELS

- Overview of Demand Forecasting
- Characteristics of Demand Over Time
- Estimating Forecast Error

- Time Series Models
 - Intuitive Forecasting as a Judgmental Process
- PRODUCTION PLANNING & OPERATIONS SCHEDULING**
- Overview of Production Planning & Master Scheduling
 - Aggregate Planning Process
 - Master Production Scheduling
 - Overview of Operations Scheduling
 - Loading & Priority Sequencing
 - Scheduling & Expediting

CAPACITY PLANNING METHODS

- Rough-Cut Capacity Planning
- Process Flow Analysis
- Input/ Output Control
- The Learning Curve
- Dispatching
- Line Balancing & Synchronized Production
- Performance Measures

Trainer

Mr Neelamegam A/L Subramaniam holds a B. Sc. (Chemistry) from UM and a MBA from UUM. He is also a certified Lean Six Sigma facilitator and trainer from Rogen (Singapore) and Six Sigma Green Belt Certification from Celestica. He has more than 20 years of working experience with hands-on capabilities and skill-sets in the area of Quality Management, Manufacturing Engineering and Operations Management. He has served as a QA Engineer with Globetronics, Product QA Engineer with Solectron Technology, Senior Process Engineer with Escatec Electronics, Customer Quality Manager and Operational Excellence Manager with Celestica and Functional Excellence General Manager with TSH Resources.

Mr Neelamegam has been conducting Training Courses since 1999 in areas such as SPC, 7 QC Tools, Poka Yoke, Measurement System Analysis, FMEA, QFD, Cost of Quality and DOE. He has conducted training for companies such as Phoenix Press, Escatec Electronics, Shanshin, Kong Guan, COB Technology, Chiyoda Malaysia, City Reserves, Precico Engineering, Latexx, Lumileds and etc. In addition, he has published papers on 6 Sigma and Lean Manufacturing.

REGISTRATION FORM



FMM INSTITUTE PERAK (Centre for Professional Development)
Attn : Puan Eda / Ms Harvindar / Ms Nicole
No. 1, Lorong Raja DiHilir, Off Jalan Raja DiHilir, 30350 Ipoh, Perak.
Fax. No. : (05) 548 8221 & (05) 548 8331 • Tel. No. : (05) 548 8660
Email : fmmperak@fmm.org.my

(475427-W)



**Also available
as an
In-House Course**

PRODUCTION CAPACITY PLANNING

Dear Sir / Madam Please register the following participant(s) for the above programme:

	Name	Designation	I.C. No.
1.			
2.			
3.			
4.			

(Please attach a separate list if space is insufficient.)

Submitted by:

Name:		Designation:	
Company:	Tel:	Fax:	Email:
Address:			
FMM Membership No:	Company GST Registration No:	MyCoID:	

Enclosed cheque / bank draft No. _____ for RM _____ being payment for _____ participant(s) made in favour of the 'FMM INSTITUTE' .

ADMINISTRATIVE DETAILS

Closing date: February 15, 2016

Medium of Instruction: English

CPD: 14 hours

COURSE FEE (Fees inclusive of GST, Course Materials, Refreshment, Lunch and Certificate of Attendance)

FMM Members RM 583.00 per pax
Others RM 689.00 per pax

Registration:

- Upon Faxing / Mailing the completed Registration Form to FMM Institute, Perak, you are deemed to have read and accepted the terms and conditions. The course would also be deemed as confirmed unless informed otherwise.
- Will be based on First-Come-First-Served basis.

Payment:

- Cheques made in favour of **FMM INSTITUTE** should be forwarded to FMM Institute Perak.
- For SBL Scheme, an Attendance of 100% is a MUST, in any case, employers will be billed in full.
- FMM Institute GST Registration No. **001764515840**

Cancellation:

- Must be in Writing with Reasons.
- 7 days before the course ~ No Payment Charged
- 3-6 days before the course ~ 50% Payment Charged
- < 3 days before the course ~ Full Payment Charged
- Participants who did not turn-up will be charged full payment.
- Replacements can be accepted at no additional cost.

Disclaimer:

The FMM Institute reserves the right to change the facilitator, date and to vary / cancel the course should unavoidable circumstances arise. All efforts will be taken to inform participants of the changes.