**Production Capacity Planning**

**Course Content**

**PRODUCTION CAPACITY PLANNING INTRODUCTION**
- What is production capacity planning
- The need for capacity planning
- Tracking capacity planning strategies
  - Lead
  - Lag
  - Tracking

**OPERATION PLANNING AND SCHEDULING**
- Overview of production planning and scheduling
- Aggregate planning
- Operations scheduling
- Loading and priority sequencing

**CAPACITY MANAGEMENT THEORY**
- Load vs Capacity
- Theory of Constraints (TOC)
  - The Five Focusing Steps
  - The Thinking Processes
  - Throughput Accounting

**MATERIAL AND METHOD**

- Linear Programming
- Demand Forecasting Management
  - Overview of demand forecasting
  - Characteristics of demand over time
  - Forecasting methods that rely on qualitative assessment
  - Forecasting methods that rely on quantitative data
  - Breakeven analysis
  - Forecast error tracking system
  - Mean absolute deviation (MAD)
  - Mean absolute percentage error (MAPE)
  - P/D ratio
  - Tracking Signals
  - Future forecast prediction methods

**PROCESS ANALYSIS TOOLS**

- Flowcharts
- Mistake Proofing (Poka-Yoke)
- Failure Mode Effects Analysis (FMEA)
- Spaghetti Diagram

**BUSINESS GURUS’ CONCEPT**

- Edward De Bono – Six Thinking Hats
- Stephen Covey – The 7 Habits of Highly Effective People
- Stephen Covey – The 7 Habits of Highly Effective People

**FMM INSTITUTE PERAK**

(475427-W)

**PRODUCTION CAPACITY PLANNING**

Dear Sir / Madam

Please register the following participant(s) for the above programme:

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Submitted by:

Name: ____________________________

Designation: ____________________________

Company: ____________________________

Tel: ____________________________

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**REGISTRATION FORM**

Dear Sir / Madam

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**ADMINISTRATIVE DETAILS**

**Closing Date:** March 7, 2018

**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:**

Enclosed cheque / bank draft No. ______________________ for RM ______________________ being payment for __________ participant(s) in the name of the ‘FMM INSTITUTE’.