**Production Planning & Scheduling in Petroleum Refineries**



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**Course Objective**

* Gain an appreciation of modern planning and scheduling tools that will be useful for planning of crude and product deliveries in their facilities
* Assist in improved operations, optimization, upgrading and modification of existing facilities
* Will result in improved profitability and help in continuous modernization of facilities
* Develop the skills necessary to apply risk assessment techniques

**Target Audience**

* Process engineers and technologists engaged in planning and scheduling activities who have a minimum of experience and who are required to understand and discuss issues related to their industry.

**Course Outline**

* **DAY 1**
* Application of Planning and Scheduling
* Overview of planning and scheduling in oil refineries
* Refinery Configuration
* Hydro skimming Refinery
* Refineries with Secondary Conversion Process
* Integrated Refineries
* Existing & New Refineries
* Choice of Crude
* Crude oil scheduling
* Choice of Processes
* Capacity utilization of Crudes
* Severity of Process Operations
* Cut-points Optimization
* Facing Upset Situations
* Tankage Requirement
* **DAY 2**
* Improving Product Movements and Releasing Tankages
* Basic Information Required
* Crude Assay
* Intermediate Feed Characteristics
* Yields and Properties
* Different Process Units
* Utilities
* **DAY 3**
* Product Blending Rules
* Product Specifications
* New Trends in fuel production
* Environmental Issues
* Crude Cost
* Product Netback
* **DAY 4**
* Formulation of Problem
* Refinery Flow-sheets
* Simplified Material Balance
* General Formulation
* Demand Equations
* Product Inventory Control
* Product Quality Control
* Fixed Composition Blend
* Capacity Control/Constraints
* Availability of Feedstock/Control
* **DAY 5**
* Application to a Refinery Worksheet
* Petroleum Product Movement and Product Exchange
* Marginal Depot Supply and movements
* Commonly Used Methods & Recent Developments
* Mathematical Approach to Solution
* Linear Programming
* Graphic Method
* Vendors Software
* Discussion and Summary
* **The Feature Of Asia Master Training And Development Center**
* we pick up the customer from the airport to the hotel.
* we give the participant training bag includes all the necessary tools for the course.
* Working within groups to achieve the best results.
* All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
* We can assist you in booking hotels at discounted prices if you wish to book through us.
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The Cost Of The Training Program Includes The Following:

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2. Training Room.
3. Training.
4. Coffee break.
5. The training bag includes all the tools for the course.

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| Price (USD) |
| Communicate with the training department  to know the participation fees   * There are offers and discounts for groups |
| The details of the bank account |
| Bank name: CIMB Bank Berhad  Account name: Asia Masters Center SDN. BHD  Bank account number: 80-0733590-5  Swift code: CIBBMYKL  IBAN: Null |