

Master Classes

Workshop on Value Analysis / Value Engineering

19 Sep 2018, Chennai

Value Engineering is a powerful technique, which helps in increasing Customer Value at the most optimum cost. It is a function based, systematic team approach to provide value in a product, process, system, software or service.



VE technique is applied to any product, process, procedure, system or service in any kind of business activity: manufacturing, health care, government, construction, transportation, as well as service sectors like R&D, Software, education, banking & insurance. VE technique often achieves impressive savings, much greater than what is possible through traditional cost reduction

exercises, even when cost reduction is not the main objective of Value Engineering Study.

(From Left) Mr Ravi Joshi, Mr S Venkateswaran, Mr Ranjan Nagre, Mr. S S Ahluwalia & Mr Abdul Wadood during the Master Class.

The faculty were **Mr. S S Ahluwalia**, CVS, Secretary General – INVEST, **Mr. Rajan Nagre**, CVS Life, Chairman, INVEST Certification Board.

The master class covered:

- VE Origin, Concepts, Myths & Global scenario
- Benefits to VE practicing organizations (Case Studies & Success stories)
- Information on INVEST & SAVE International
- How systematic implementation of VE can benefit Stake holders
- VE for TPM & Business Excellence
- VE for sustainable development

Master on ‘Challenges to higher TPM Awards’

20 Sep 2018, Chennai

Half day Master Class was conducted by **Mr. Keisuke Fukawa**, Manager & Promotional, JIPM – Japan. The objective of this workshop was to understand various **Assessment Criterion for all Categories of TPM Award, Checklists to prepare & challenge higher TPM awards & sustainability of TPM in the awarded Companies.**

The Master Class sessions comprised of contents like:

- KMI, KPI & KAI- connecting is very important. Design of KAI and KPI to be done, such that KMI should be more fruitful.
- TPM journey part 1 category A & B consistency, Improvement in shop floor and cultural change on 16 losses and explained on case study.
- Explained on IOT, another tool in TPM which provides the information of all m/c.
- Kara kuri a concept of low cost automation which reduces the people fatigue and reduces use of systems like hydraulic, electric etc.



Mr. Keisuke Fukawa, JIPM- Japan along with interpreter Mr Surajit Deb during the session

Two Day Master Class on Levelled Scheduling Through Pull System ~ Mixed Model Value Stream

(Engineering and Process Industries)

21–22 November 2018, Bengaluru

As a first of its kind in the Indian Industrial context, CII IQ is launched this debut workshop on PULL SYSTEM with requirements of both Engineering and Process Industry in a common platform, with respect to mixed model value streams (Assembly Lines / Machining Cells / Product Lines etc.).

The workshop has been conceived to suit the TPM implementing companies also which are in an advanced stage of STRATEGIC TPM implementation (Part II and above). The workshop topics could be seamlessly integrated with Kobetsu Kaizen, Office TPM and Jishu Hozen Pillar activities.

The faculty **Mr Dilesh Patel**, Lean, CX, and Value Stream Mapping Evangelist, **Founder & CEO, The eVSM Group**, practicing as a global consultant in US, Germany and UK who is involved originally with the developers of Value Stream Mapping at DuPont-Shell in the 90's.

The main content for this Programs were:

1. Value Stream Mapping at deeper and border level
2. Understanding of Manufacturing Cycle Efficiency on door-to-door basis

3. Understanding mechanism of KANBAN across raw material stores and machining/ machining assembly/ assembly and warehouse
4. Concept of pull system
5. Implementation methodology of HEIJUNKA

There were 49 delegates attended this Master Class & received the participation certificate.

AI & IoT Tools for TPM

12 December 2018, CII Institute of Quality, Bengaluru



Participants during AI & IoT Master Class

One day Master Class has been conducted on AI & IoT for TPM by Mr Jun-ichi-Uchida, Chief TPM Coach, JMAC Japan.

The objective of this 1 day workshop was to understand utilization & application of IoTs in the TPM Journey & this Master Class focused more on Gemba oriented tool to make TPM more precise which actually helps to grasp the current situations of the Gemba, which clearly segregates Value addition and Non Value Addition over period of time. Summarizing the use of IOT helps to improve Productivity, Morale, and line balancing & in identifying bottle neck. The 7 tools of IoT were discussed.

1. **IoL** – Inter net of **Location** (tracing work piece, people etc.,)
2. **IoO** – Internet of **Operation** (situation, how they work)
3. **IoS** – Internet of **Situation** (What actual happens at Gemba)
4. **IoC** – Internet of **Count** (No. of Products, No. of pieces)
5. **IoH** - Internet of **Hazard** (Hazard points, location, identification and ratification)
6. **IoA** – Internet of **Availability** (visual conditions of Machines)
7. **IoQ** – Internet of **Quality** (recording measurement and situations)

There were 45 delegates attended this Master Class & were given with the participation Certificate.