

MSME TECHNOLOGY CENTRE
INDO GERMAN TOOL ROOM, AURANGABAD

(A Government of India Society under Ministry of MSME)



Two days Course
On

Efficient Product
Design for Manufacture & Assembly



REGISTRATION FORM

Name.....

Designation.....

Institution.....

Address for Correspondence.....

.....

.....

Mobile No.....

Email ID

PAYMENT DETAILS

Amount

DD No.....Date.....

Name of the Bank & branch

.....

Demand Draft drawn in favor of "**Indo-German Tool Room, Aurangabad**"

Date: Signature

About : IGTR

Indo German Tool Room, Aurangabad is a Government of India Society, under Ministry of Micro, Small & Medium Enterprises, New Delhi. IGTR Aurangabad established in the year 1990 is the vibrating symbol of Indo- German co-operation aimed at promoting purposeful technical education for the youth in India. IGTR - Aurangabad IGTR has ultramodern, state of-the-art Tool Room and Training facilities under single roof.

About : D-ESPAT PVT LTD

D-ESPAT Pvt Ltd, Chennai is associated with Boothroyd Dewhurst Inc, USA the Principals of the Design for Manufacture & Assembly (DFMA®) Methodology for their flagship software product DFMA®. D-ESPAT provides training on the DFMA® software Sales, Support and offers consultancy. D-ESPAT conducts training programs on DFMA for academic institutions and various industrial clients from different Vertical settings including Electronic Manufacturing, Industrial equipment, assembly line equipment;

Course Agenda

DAY 1:

- 09:30am - 10:30am DFMA Overview
- 10:30am - 11:15am DFMA Software Demo
- 11:15am - 11:30am Tea break
- 11:30am - 12:00pm DFA questions and the Minimum part criteria - Analysis of a small Assembly using DFA
- 12:00pm - 1:15pm DFA Hands On
- 01:15pm - 2:15pm Lunch
- 02:15pm - 2:45pm DFM concurrent Part Analysis & Redesign review
- 02:45pm - 3:30pm DFM Hands On - Casting
- 03:30pm - 3:45pm Tea break
- 03:45pm - 4:15pm DFM Hands On continued
- 04:15pm - 4:45pm Case Studies & Library Overview

DAY 2:

- 09:30am - 10:30am DFM Sheet Metal & Geometry Calculator
- 10:30am - 11:15am DFM Welding Assembly
- 11:15am - 11:30am Tea break
- 11:30am - 12:15am DFM Machining
- 12:15am - 12:45pm DFM Injection Mold
- 12:45am - 01:15pm DFMA CAD Import, BoM Import
- 01:15pm - 2:15pm Lunch
- 02:15pm - 3:30pm DFMA Group Exercise & Brainstorming of Analysis
- 03:30pm - 3:45pm Tea break
- 03:45pm - 4:30pm Reporting, Investigation & Exit questionnaire
- 04:30pm - 4:45pm Feedback & Wrap up

ABOUT THE COURSE

Design is the first step in manufacturing, where most of the crucial decisions are made which may affect the final cost of the product. Since the mid-sixties, analysis techniques have been researched and developed. As a result of this research, in 1980, DFMA® techniques were made available to help engineers create products that are efficient to manufacture and assemble.

DFMA Methodology is developed by **Dr. Geoffrey Boothroyd & Dr. Peter Dewhurst** the pioneer of DFMA® principles.

R&D engineers today are constrained to produce sleek designs that are lean, robust, simple to assemble and easy to manufacture. To remain competitive, they are facing the need to make decisions to optimize /economize the design of equipment be it, Mechanical, Electrical or Electronic.

Product Design Review can be done using DFMA® software to shorten the overall design to manufacture cycle time.

Early Manufacturing Analysis tools help one to understand the functionalities of various inter-dependent parts /components of the design so that some can be eliminated or combined with other parts. DFMA® as software tool is into its **34 years of existence** with a largest database of industry best practices available in the most user friendly GUI.

CONTACT

1. **Mr. Gopal Belurkar (Sr. Engg. Trg.)**
Email : cadcam@igtr-aur.org
Mob: 9405968144
2. **Mr. V.M. Bankar (Sr. Engg. Trg.)**
Email : lca@igtr-aur.org
Mob: 9421422728
3. **Mr. Tasvvar Ali (GIZ)**
Email : tasvvar.ali@giz.de
Mob: +91 96 54 338 203

REGISTRATION FEE

U.G / P.G Students & Research Scholars & Faculty Members	: Rs. 3000
Industry Professionals	: Rs. 4000
Registration on First come First Serve basis	

IMPORTANT DATES

Last date of registration: 30th June 2017

Registration charges include workshop materials, lunch and tea. Participants are requested to send their filled in registration form

WHO SHOULD ATTEND?

- U.G, P.G Students in Engineering Design, CAD/CAM, CAD, CIM, PDD & Production.
- Faculty & Research Scholars.
- Design engineers
- Manufacturing engineers
- Product Managers & Strategists
- Purchasing / Strategic sourcing personnel

Two Days Course on Efficient Product Design for Manufacture & Assembly

Date : 14th & 15th JULY 2017

Organized by



**MSME TECHNOLOGY CENTRE
INDO GERMAN TOOL ROOM,
AURANGABAD**
(A Government of India Society under Ministry of MSME)



In Association with



giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

d-ESPAT
PVT. LTD.

Venue

INDO GERMAN TOOL ROOM, AURANGABAD
P-31, MIDC, Chikalthana Industrial Area,
AURANGABAD. 431 006 (M.S.)
Phone : (0240) 2486832, 2482593, 2470541, 2480578
Fax : (0240) 2484028 E-mail : gm@igtr-aur.org
Web Site : <http://www.igtr-aur.org>, www.igtr-aur.gov.in

Follow us :

f Indo German Tool Room - Aurangabad-M.S.
t @igtrAurangabad.