



Introducing New - Industrial Engineering Awareness Program

Leverage more than 100 years of UMAS
collective operational and consulting experience
in Industrial Engineering. Learn a mix of classical
and modern Industrial Engineering tools from
qualified faculty through a mix of theory
sessions, practical demos and simulation games

Anthropometric
Data Analysis

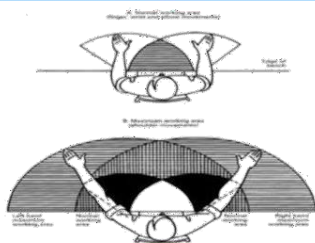
Anthropometric
Data Analysis

Workstation
Design

Assembly

1	CATHE	30	55	0	0
2	DRILLING	90	0	0	0
3	MILLING	125	20	0	0
4	GRINDING	90	0	0	0
5	PAINT				

Facility Layout Planning



LEAN SUMMARY REPORT	
Routing No.:	200001005
NISE TABLE 100 MG-775 KG	
Cycle Time (Mins):	2356.03
Content of Work (Mins):	1352.88
Lean Cycle Time :	2275.35
Lean Content of Work :	976.77
Auto Cycle Time:	2145
Process Time (CT):	87.73
Process Time (CW):	232.71
Online Time (CW):	211.03
Offline Time (CW):	1141.85

OPERATING MOTION LOSS		Time in	Mins
A	Horizontal Body Motions		
		131.2	
P	Placement of Objects		6.3
B	Vertical Body Motions		
		86.16	
T	Tool Use Activities		94.17
G	Grasping Action for Object		
		10.44	
C	Controlled Push/Pull Actions		46.42
A	Alignment Actions of Object		

Course Agenda

- Introduction to Industrial Engineering
- Introduction to Work Study and Productivity
- Introduction to Method Study
- Introduction to Work Measurement
- Cycle Time and Content of Work
- Capacity Analysis, Work Balancing & Workforce Planning
- Simulator Game
- Facility Layout Planning
- Anthropometric Data Analysis
- Ergonomics Analysis - REBA and RULA
- Process Value Analysis
- Organization and Human Behavior
- Industrial Engineering Case Studies
- Future Trends in Industrial Engineering

Course Duration – 1 Day

Who Should Attend – Operations Managers, Industrial Engineers, Plant Heads, Line Supervisors, Lean – Six Sigma Experts

- **UMAS** is a leading **Pune, India** based Industrial Engineering Consulting Firm
- Distributor of MOST[®] (Maynard Operation Sequence Technique)
- Successfully completed Industrial Engineering consulting projects in more than 260 plant and service operations in India and Asia Pacific.