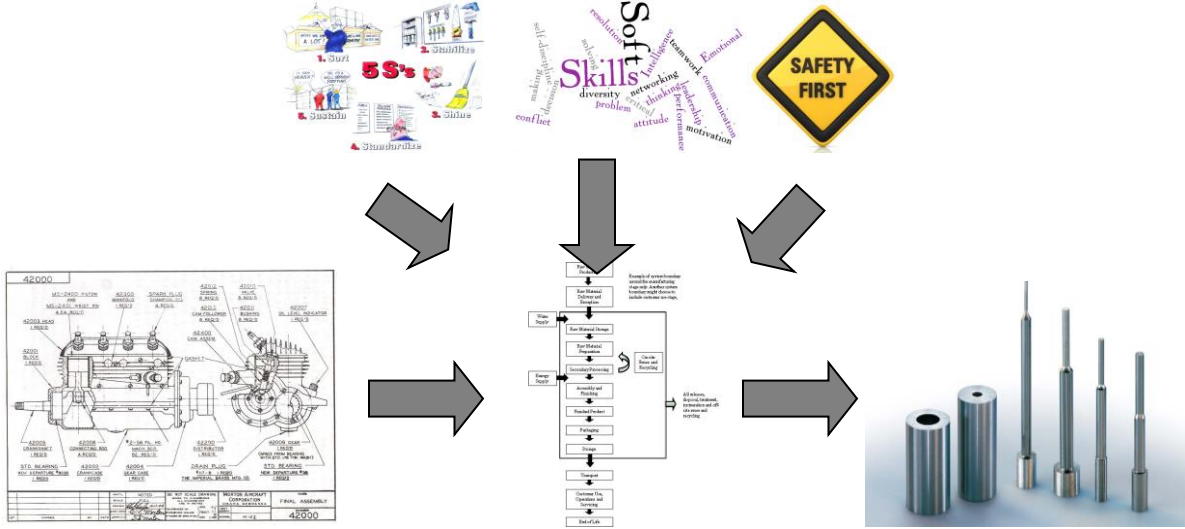


# Graduate Engineer Trainee Programme (Mechanical)



Engineering Drawing

Process Planning


Tool Selection



Quality Control

CNC Machining and Programming

Autocad



Engineers with  
0-5 yrs exp.

Kiki  
Finishing  
School

Industry  
ready  
engineers

Are your  
Engineers industry ready?



Course objective: Provide knowledge Btech, Diploma and Degree graduates with hands on training in the areas of engineering drawing, Process planning, Tool selection, Quality Control, CNC and Autocad, and Soft skills.

Eligibility: Engineer or Diploma in mechanical engineering and allied.

Course duration: 1 month

Method of training: In-training centre only, intensive

Timing: Monday to Friday, 9:30am-4:30pm

Address: Plot Number 33, Sector 3, IMT Manesar, Gurgaon- 122050

Infrastructure:

-Horizontal Milling Machine	01 no.
-Vertical Milling Machine	01 no.
-Universal Milling Machine	01 no.
-Precision Lathe Machines	03 nos.
-Surface Grinding Machine	01 no.
-Tool and Cutter Grinder	01 no.
-Bench Drilling Machines	02 nos.
-Pillar Drilling Machines	01 no.
-CNC Turning Center	02 no.
-VMC	01 no.
-Pedestal Grinders	02 nos.
-Universal cylindrical grinder	01 no.
-5 Axis machine	01 no.

## Objective

- Introduction to Conventional and CNC Machines and Machining operations
- Engineering Metals, their standard nomenclature, heat treatment
- Hand tools, cutting tools, Chip type, Tool life
- Reading and understanding engineering drawing
- Preparing BOM, Ordering Standard parts by referring the catalogues.
- Statistical process control
- Introduction to Autocad
- CNC machine operations and programming
- Proving of piece part
- Safety, 5S, Soft Skills

## Contents Overview

- Filing
- Drilling Machine
- Lathe Machine
- Milling Machine
- Grinding Machine
- Machining related parameters- cutting speed, feed calculations for turning, milling, drilling and grinding operations, chip type, tool life
- Alloy steels, Compositions, Machining properties & International standard nomenclatures
- Heat treatment process (about)
- Tool nomenclature, Tool grinding & learn the use of catalogues
- Engineering drawing study
- Limits fits & tolerances, Tolerance Chart reading, Principles of GD&T and applications
- Precision measuring instruments, Do's and Don'ts during measurement, Practical Measurements
- Work process planning, job planning, selection of proper cutting tools
- Preparation of BOM and executing the process, process report generation
- Statistical process control (introductory theoretical input)
- Autocad- Checking dimensions, drawing conversion, import and export, print out
- Principles of CNC turning machining and VMC machine and co-ordinate system
- Fundamentals of CNC turning and VMC operations and programming
- Job Setting/ Job Offset, Tool setting/Tool Offset, CRC, OD, ID, taper turning, thread cutting and Parting off operations
- Standard Inserts, Materials, geometry & holder details
- Accessories used on CNC machine tools
- Work holding devices
- Tool life, cutting oils, selection of cutting oils
- Industrial Shopfloor Safety
- 5S applied
- Teamwork, -Taking Responsibility, -Instructions, questioning, -Planning and Organizing



# Enrollment Form for Companies for Open Programmes

### Programme details

Programme name:.....Programme date:.....

### Names of persons attending programme (Write in BLOCK LETTERS)

Slr number	Name of participant	Department

*If more space is required for filling candidates names, print multiple copies of this sheet*

### Details of person authorized by your company to approve participation of candidates in the before mentioned programme.

Name: Mr/Ms/Mrs.....

Designation:.....Department.....

Email:.....Phone (incl. area code).....

### Invoicing information

Name: Mr/Ms/Mrs.....

Designation:.....Department.....

Company /Institution name:.....

Address of company/institution:.....

City.....State.....Postcode.....

Email:.....Phone:.....

### Payment details

Full payment to be made prior to start of course. Payment to be made in name of: **Anjali foundation**

Cheque/demand draft to be mailed to: Anjali foundation, Plot #33, Sector 3, IMT Manesar, Gurgaon-122050

Enclose cheque or demand draft with the application for open enrollment programmes

Cheque/ draft number: .....

Drawn on:.....Date:.....

### Cancellation policy

More than 4weeks before start- Full refund; Less than 4 weeks before start- No refund

### Declaration

.....  
Signature, authorized signatory

.....  
Date