

Greetings from CMTI

We are pleased to inform you that we are conducting a 02 day Non-Residential Training programme on "**Gear Engineering**", course code 0620

Highlights / Overview of the Program:

Gears find wide variety of application in diverse industries such as Automobile, Machine Tools, Aerospace, General Engineering and so on. With a growing demand for better quality of gears, the manufacturers are now increasingly seeking machine tool and technology that can meet their requirements. The customer expectations are driven by improved performance, cheaper cost, light weight, better efficiency and minimal noise. The course on Gear Engineering is designed to understand the Design, Manufacturing, Heat treatment and Measurement of various gears.

Target Participants:

Design Engineers and Testing engineers

Programme Schedule

It is 02 day Non Residential Training Programme scheduled during **19th – 20th November 2024**. The Programme will be held at Central Manufacturing Technology Institute, Bangalore

Participation Fees

Rs. 7,800/- plus GST @ 18%*, per participant. This includes Course Kit, working veg lunch, midsession tea.**

Course Fee can be paid through **NEFT / RTGS / Demand Draft**. Demand Draft to be drawn in favor of "Central Manufacturing Technology Institute", payable at Bangalore and should reach CMTI one week before the actual date of commencement of the course.

Beneficiary for RTGS/NEFT

- a) **Name : Central Manufacturing Technology Institute**
- b) **GST No: 29AAATC2085K1ZJ**
- c) **Account No :10521862015**
- d) **Bank Name & Branch: State Bank of India, Yeshwanthpur Branch**
- e) **IFSC Code :SBIN0003297**
- f) **MICR Code : 560002055**

Additional Information:

1. A 10% rebate on course fee will be given to organizations nominating 3 or more participants for each programme, only if payment is made in advance, ten days before the commencement of the course.
2. Individuals/ Companies interested in participation are requested to fill in the enclosed Enrollment Form and submit at the earliest.
3. Participants are advised to proceed for the programme only after the nominations / Programme confirmed by us (by Fax / Letter / Phone / E-Mail).
4. Participants should report at CMTI on the day of commencement of the course. Participants are advised to reach Bangalore the previous day evening/ night.
5. Course will be conducted from 09:00 to 17:00 hrs. Participants may plan their return journey accordingly.
6. Participants will be given Certificate after the completion of the Training Programme
7. Enclosed are the tentative programme contents for ready reference
8. GST No. to be shared while sending your nomination / Registration (If a company is exempted from GST they have to provide GST Exemption certificate).
9. Please note that Course fee once paid will not be refunded. However, change in nomination will be permitted.

Note: * Taxes and other levies will be charged as per the prevailing rates at the time of Billing**

For further enquiries / registration / nominations, please contact:
Mrs. Asha R Upadhyaya, Scientist – F & Centre Head – AEAMT,
09449842686 / 78 Fax: (080) 2337 0428
E-mail– training@cmti.res.in

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE

Tumkur Road, Bangalore 560 022

Training Programme
On
"Gear Engineering"

Tentative Programme Schedule

Day	Particulars
Day 01	<u>Design of gears:</u> Introduction to different types of gears, Gear Design and Standards, Classification & Application of Gears
	Design of gears contd.
	<u>Manufacturing:</u> Methodology & Machines capability
	<u>Quality Assurance:</u> Quality Inspection process raw material to completion, Dynamic Balancing, Assembly & Testing, Special Testing requirements
	<u>Service:</u> Installation & Commissioning, General maintenance, Gear failure, Trouble shooting (High Bearing temperature, Noise, Oil Level, Vibration, Case studies)
Day 02	Material Selection and Heat Treatment
	Material Selection and Heat Treatment contd.
	Demo – Inspection of Gears
	Visit to Gear Manufacturing Unit
	Concluding Session