

Greetings from CMTI

We are pleased to inform you that we are conducting a 02 days Non-Residential Training programme on **"Additive Manufacturing & Rapid Tooling", course code 0520**

Highlights / Overview of the Program:

Rapid Prototyping (RP) Technology is a new technology tool for engineers to produce prototypes out of Polymers and metal powders using 3D CAD model data. The RP process can produce virtually any complex shape. RP reduces time and cost of new product development. RP systems are available for producing direct metal moulds and parts. This is termed as Rapid Tooling, which can be applied in producing tooling for injection moulding, investment casting, sheet metal forming and die casting applications.

The Rapid Prototyping Machine installed at CMTI incorporates the latest technology of laser sintering of metal powder developed by M/s EOS GmbH, Germany. The EOSINT M250 laser sintering system generates 3D part directly from CAD data. The prototype parts are built up in thin layers by local sintering of metal powder using a computer controlled laser beam. The 3D metal part / rapid tool obtained from the machine are suitable for tooling industry.

Target Participants:

Manufacturing, Tooling Engineers, Product Development Engineers

Programme Schedule

It is 02 days Non Residential Training Programme scheduled during **13th – 14th December 2021**. 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:

V A P Sarma, Centre Head – AEAMT,

09449842686 / 78 Fax: (080) 2337 0428

E-mail– training@cmti.res.in, sarmavap@cmti.res.in

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE
Tumkur Road, Bangalore 560 022

Training Programme

On

'Additive Manufacturing & Rapid Tooling'

Tentative Programme Schedule

Days	Particulars
Day 1	Overview of AM Technologies
	Direct Metal Laser Sintering, Direct Metal Deposition & Rapid Tooling,
	Microstereolithography
	Constructional features and functions of different parts of DMLS and DMD Machines
	CAD Pre-Processing, Slicing & Design for AM
	Tool Path generation for DMD Machine using DMDCAM Software
Day 2	AM Process Parameters
	Training on Operation and Programming of DMLS Machine
	Training on Operation and Programming of
	<ul style="list-style-type: none">• DMD Machine• Microstereolithography
	Concluding Session

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