

## ABOUT ADDITIVE MANUFACTURING

In today's world, producing better quality products with less cost, reducing lead times, improving customers delight have become the key requirement to remain competitive in the global market. To fulfil these requirements Additive Manufacturing (AM) provides a technological tool for making solid free-form products.

It is a manufacturing technique which has applications in all technical as well as non-technical fields. The products are made with the use of CAD tools and then layer by layer addition of materials by using different AM technologies such as SLA, SLS and 3D printers etc.

## ABOUT STTP

The workshop is motivated by the growing national manpower needs to develop experts in the globally competitive domains of engineering. Basic motive behind organizing this STTP is to provide an exposure to the technocrats and students about the new technologies related to additive manufacturing and its application for different purposes with hands on training. The course is designed mainly about AM to create general awareness among student's researchers, faculty members and industry people. Participants will be benefitted by the information about various research fields in the domain of AM. In addition they will get an experience by converting their virtual designs to real models on FDM machine. The course is designed in order to provide a platform for the participants.

- ▶ | Faculties to get knowledge which they can share in manufacturing field.
- ▶ | Researches will avail this opportunity to get an idea about additive manufacturing
- ▶ | Students will understand the technological advancement in manufacturing field.

### COURSE CONTENT

- ▶ | Introduction of AM
- ▶ | Basics about the AM, principle of working
- ▶ | Various techniques of AM
- ▶ | Materials in AM
- ▶ | Computations in AM
- ▶ | Software related to AM
- ▶ | Applications of AM

## EXPERTS

**Dr. U. Chandrashekhar** (Pro VC Vel-Tech University Chennai)  
**Mr. Ajay Purohit** (Tata Technologies Pune)  
**Dr. G. Saravana Kumar** (Associate Professor IIT Madras Chennai)  
**Dr. Prashant Kumar Jain** (Head of Mech. Engg Dept. IIITDM Jabalpur)  
**Mr. Nikhil Chowdhary** (Head Design & Prototyping ESCI Hyderabad)

## ADVISORY BOARD

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**Prof. Ian Campbell**, Professor Loughborough University UK.  
**Prof. Puneet Tandon**, Prof & Dean Academic Planning, IIITDM Jabalpur.  
**Dr. V. Senthil Kumar**, Scientist NAL Bangalore  
**Dr. A. A. Shaikh** (Associate Professor, SVNIT Surat)

## PATRONS

**Mr. Ketanbhai Marwadi**, Chairman, MEFGI  
**Mr. Jitubhai Chandarana**, Vice-Chairman, MEFGI  
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**Mr. Pinank Patel**  
**Dr. Atal Bihari Harichandan**  
**Mr. Rameshkumar Bhoraniya**

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**Mr. Saurabh Srivastava**  
**Mr. Mukhtar Sama**

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**Mr. Dhaiwat Trivedi**



**Marwadi**  
education foundation

# FUNDAMENTALS & TRENDS IN ADDITIVE MANUFACTURING

FIVE DAY SHORT TERM TRAINING PROGRAMME  
ON ADDITIVE MANUFACTURING  
25th. - 29th APRIL 2016



ORGANIZED BY  
**DEPARTMENT OF MECHANICAL ENGINEERING,  
FACULTY OF ENGINEERING,**  
Marwadi Education Foundation's Group of Institutions,  
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## ABOUT RAJKOT

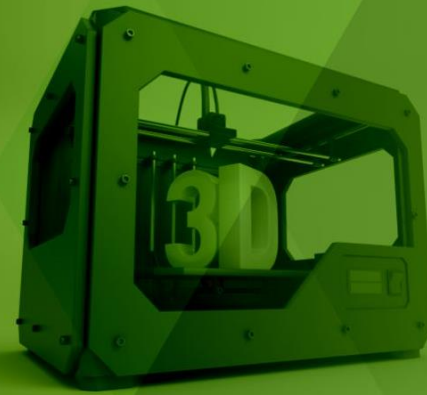
Rajkot is one of the remarkable city of Gujarat. Now a days, Rajkot is emerging as an educational and industrial hub in western peninsula "Saurashtra". Rajkot is frequently referred to as 'Rangiloo Rajkot' meaning colourful Rajkot. It is well connected to main cities by air, rail and road.

## ABOUT MEFGI

MEFGI, established in 2009, is one of leading institutional group in technology and management education in Gujarat, India. MEFGI has a sprawling campus spread over 22 acres. Over the years, it has created a world class educational platforms dynamically sustained through internationally recognized research based on excellent infrastructural facilities. MEFGI is providing a conducive environment that enable and promote individuals to creatively interact, coordinate, disseminate & examine changes, opinion & concept that will enable students to experience higher level of learning acquired through constant immersion that lead towards development of characters, virtues, value & technical skills. Moving forward by remembering 'Knowledge is the currency of 21st Century'. It is offering various disciplinary graduate and post graduate courses and has created reputation in Gujarat state through six years of excellence.

## ABOUT MECHANICAL ENGINEERING DEPARTMENT

The Mechanical engineering department is pioneering department of MEFGI running undergraduate and post graduate courses with specialization in CAD/CAM and Thermal Engineering. The department strives to generate skilled mechanical engineers through effective teaching ensuring right blend of theoretical and practical training. The department is well equipped with various laboratories related to core subjects of mechanical branch and has well developed workshop equipped with advanced machines like VMC/CNC etc. Also department owns its credit advanced laboratories like Bosch Rexroth Automation Centre and E-Yantra lab in the field of Robotics.



## TRANSPORTATION & ACCOMMODATION

Travel expenses will have to be borne by the participants. Accommodation will be provided or may be arranged upon request on payment basis. Those who need paid accommodation are required to contact the organizer in advance to make suitable arrangement.

## WHO WILL BENEFIT

Faculty members of academic institutions and persons from industries, research scholars, students of ME/MTech.

## HOW TO REGISTER

All participants have to pay Rs. 2000 either through bank draft or NEFT. Please fill the registration form and send it to the organizers on or before March 25, 2016 either scanned copy or hard copy.

## CONTACT

Mr. Saurabh Srivastava  
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Mobile: 7567717964

Mr. Sama Mukhtar R  
Mail: mukhtar.sama@marwadieducation.edu.in  
Mobile: 9638256607

## REGISTRATION FORM:

Name: \_\_\_\_\_  
Qualification: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Experience: \_\_\_\_ (years) Area of exp: \_\_\_\_\_  
Whether accommodation is required \_\_\_\_\_ (Yes/No)  
Address correspondence: \_\_\_\_\_  
\_\_\_\_\_  
Cell no: \_\_\_\_\_  
Email ID: \_\_\_\_\_

## REGISTRATION DETAILS

Draft no: \_\_\_\_\_  
Amount Rs.: \_\_\_\_\_  
Dated: \_\_\_\_\_  
Bank \_\_\_\_\_  
Branch: \_\_\_\_\_

## FOR ONLINE PAYMENTS

A/C NAME:MEF - Faculty of Engineering  
BANK NAME.:Bank of India  
A/C NO.:310320110000316  
IFSC CODE:BKID0003103

Please email the receipt of online payment to saurabh.srivastava@marwadieducation.edu.in  
Full attendance from first to last session is compulsory and only those participants will be eligible for certificate who will fulfil the above condition of the course.

**SIGNATURE OF PARTICIPANT** \_\_\_\_\_

Certified that the above information is true to the best of my knowledge of the applicants is authorized attend.