



Confederation of Indian Industry

CII Naoroji Godrej Centre of Manufacturing Excellence

“3D Printing is increasingly becoming a reality and is set to disrupt businesses across sectors” Are you prepared?

Workshop on
3D Printing & Applications
23 - 24 June 2017: Mumbai

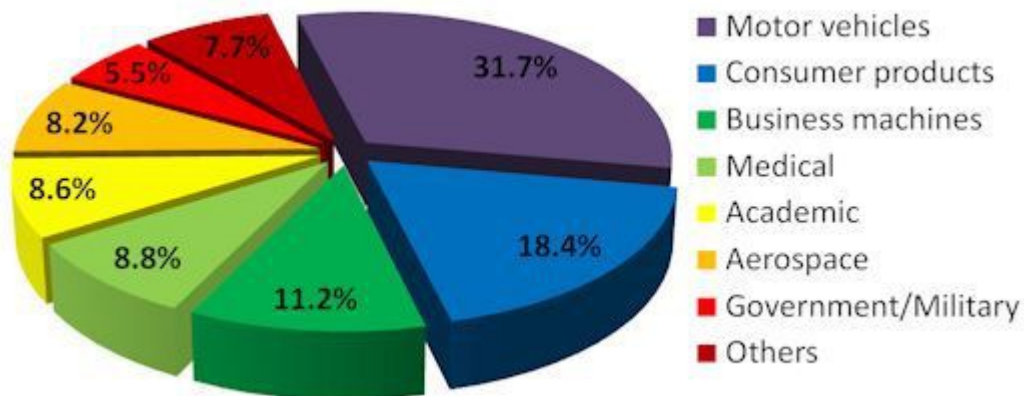
CONTEXT

We are happy to announce (in partnership with Imaginarium India Pvt Ltd) a two-day workshop, the captioned one, being held by us on 23 - 24 June 2017 in Mumbai. This workshop is targeted to participants who lead Design and Development, Research and New Product Development Process in Engineering Industry sectors encompassing Aerospace, Automotive, White Goods, FMCG packaging, Precision Engineering, Tool Room.

It is designed to make the senior leadership executives aware how to take get business competitiveness by adopting 3D Printing in various pockets in the organization. Executives are taught Business Case for 3D Printing, Prototypes as vehicle to realise and validate design, 3D Printing Technologies, Adoption Road Map, Case studies with seamless interaction with expert faculty.

The workshop is based on real case studies. Each module starts with session learning objectives and ends with conclusions. The objective is to train the executives how to apply these in their New Product Development (NPD) to accelerate it in their own organisations.

INDUSTRIES THAT IMMENSELY USE 3D PRINTING



COVERAGE & CONTENTS

Session 1: **Introduction**

- The session focus on Historic Review on Manufacturing and Emergence of IT enabled Manufacturing Adoption of 3D Printing in the world and in India
- 3D Printing and its role in Industry 4.0

Session 2: **The Need**

- Developing & Testing Your Ideas
- Challenges in Fighting TTM in NPD
- Emergence of New Customer
- Need for Agile Manufacturing

- Why Future of Manufacturing is Digital Fabrication?

Session 3: **Technologies**

- 3D Printing Technology Review
- 3D Printable Materials
- 3D Printing Technologies Compared
- New Trends

Session 4: **Case Studies**

- Case Studies in Engineering
- Case Studies in Healthcare
- Case Studies in Lifestyle
- Concepts of Design for 3D Printing

Session 5: **Demo**

- 3D Printing Demo
- 3D Scanning Demo
- Imaginarium Facility Visit

Session 6: **Valedictory**

- Questions & Answers
- Certificate Distribution
- Group Photo
- Feedback

TARGET AUDIENCE / WHO SHOULD ATTEND

- Chief Technology Officers / Chief Operating Officers / Chief Manufacturing Officers / Chief Information Officers
- Plant Heads / Factory Heads
- Heads from Production / Engineering / R&D / Design / Product Design / Automation & Robotics / Project Management / Heavy Welding / Welding Equipment / Supplies / Consumables / Material Sciences / Additive Manufacturing / Fabrication / Consulting
- Packaging Heads / SME / MSME Owners / Start-up Founders
- Officials from various Industrial sectors like Heavy Engineering, Automotive, Power, Shipping, Manufacturing, Forging, Automation, Construction, Equipment Fabrication Shops, Metals, Fabricators, etc.
- Senior or middle level engineers/managers/technocrat from several divisions such as Design, Shop-floor, Quality, Vendor Development, Technical and Engineering Consultants
- Representatives from Academia / Engineering Technology Institute / Faculty Members / Students

PRE-REQUISITES

Knowledge of Manufacturing, Quest to Learn, Ready to Change 😊

WORKSHOP FACULTY (GURUPRASAD KUPPU RAO)

Mr Guruprasad Rao is the Director & Mentor-Leadership Team at Imaginarium India Pvt Ltd, Asia's largest 3D Printing Company. His current focus is on building Imaginarium Academy, Technology partnerships besides Technology Mentoring at Imaginarium.

Mr Guruprasad Rao holds double masters with 30 years of experience encompassing Industry & Academia. His industrial assignments include Crompton Greaves, Titan, Tanishq, and present one. He has taught at Design at NIFT-Bangalore, IICD-Jaipur, IISc, JSSATE and NTTF, all at Bangalore.

Mr Guruprasad Rao is a recipient of many Awards including 3 Gold medallions. As an accomplished Industrial Designer, he holds 8 Patents and 100 plus design Registrations. His research interests include Product Design, Product Aesthetics, Design Management, 3D Printing and its applications in Medical domain. He is a research scholar at IIT Bombay.

ABOUT IMAGINARIUM INDIA PVT LTD

Imaginarium India Pvt Ltd is a well-known 3D Printing Company located in Mumbai. It has been in the field over a decade and serves more than 5000 industries in more than 30 industry sectors. It has the state of the art facility with 22 production 3D printers working 24x7. It has over 250 skilled manpower to provide integrated solutions to realise new products. Over the years, it has grown to be Asia's largest service provider.

Imaginarium is emerging as a Platform from a service provider and has become a waterhole to bring Ideas to Life.

Imaginarium team closely work with Industry, Academia and Governmental agencies to harness and connect the disruptive power of 3D printing and enable Product Innovation.

VENUES

Venue: I: CII Naoroji Godrej Centre of Manufacturing Excellence

Godrej Station-Side Colony, Opposite Railway Station, Vikhroli (East), Mumbai - 400 079

Venue II: Demo & Facility Visit: Imaginarium India Pvt Ltd

D13, The Great Oasis, Road No 21, MIDC, Marol Industrial Area, Land Mark: Above Passport Seva Kendra, Andheri (East), Mumbai - 400 093

Dates / Schedule of Sessions : 23 - 24 June 2017

23 June 2017	Registration - 9:00am to 9:30am (Venue I)
23 June 2017	Sessions - 9:30am to 5:00pm (Venue I)
24 June 2017	Sessions - 9:30am to 1:00pm (Venue I)
24 June 2017	Sessions - 2:30pm to 5:30pm (Venue II)

Participation Fees (on non-residential basis)

Type of Organisation	Fees per Participant
CII Members (Large and Medium)	Rs 11,000/- (+ Service Tax as applicable)
CII SSI Members	Rs 8,500/- (+ Service Tax as applicable)
Non Member Companies	Rs 12,000/- (+ Service Tax as applicable)

Fees include participation, course material (hard copies), working lunch and tea / coffee / breakfast. Advance payment of fees is to be drawn in favour of “**Confederation of Indian Industry**”.

DISCOUNT

5% on 2 nominations from an organization.

10% on 3 or more nominations from an organization.

Participation fees is non-refundable/ non-adjustable against any other programme of CII, but change in nomination(s) is accepted.

Registration: Prior registration for participation by the sponsoring companies is necessary.

Maximum admissions will be limited to 25 only.

Certificate of Participation will be given to all participants who will attend the workshop fully.

Nominations & Enquiries: Swapnil Pednekar

CII Naoroji Godrej Centre of Manufacturing Excellence

Godrej Station-Side Colony

Opp Railway Station, Vikhroli (East)

Mumbai - 400 079

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Email : swapnil.pednekar@cii.in

NOMINATION FORM



Confederation of Indian Industry

CII Naoroji Godrej Centre of Manufacturing Excellence

Workshop on
3D Printing & Applications
23 - 24 June 2017: Mumbai

We nominate the following Managers to attend the Workshop

Sr No	Name	Designation	Tel / Email id
1.			
2.			
3.			
4.			

Our Cheque / Demand Draft for Rs. _____ No. _____ dated _____ drawn in favor of **"Confederation of Indian Industry"** is enclosed.

Name: _____ Designation: _____

Organisation: _____

Address: _____

CII Membership No: _____ Telephone: _____

Fax: _____ Email: _____

Signature & Stamp of the Nominating Authority: _____

- Participation fee is non - refundable / non-adjustable against any other programme of CII. However change in nomination(s) is accepted.
- Workshop is non - residential