



Confederation of Indian Industry
CII Naoroji Godrej Centre of Manufacturing Excellence

CII Workshop on
3D PRINTING for Manufacturing Agility
(With Interactive Lectures & Industry Visit)
Tuesday – Wednesday, 28 – 29 April 2020: Mumbai

The CONTEXT

CII Naoroji Godrej Centre of Manufacturing Excellence is happy to announce a two-day workshop on the topic - “**3D PRINTING for Manufacturing Agility**” in partnership with Imaginarium India Pvt Ltd on 28-29 April 2020 in Mumbai.

It is designed to help senior business leadership make aware of the benefits of 3D printing and the latest advancements happening in this field, while also endeavoring to make aware the participants how to enhance business competitiveness by adopting 3D Printing in various pockets in the organizations.



[Photo courtesy – EC Blog]

Executives will be sensitized about the 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.

Each module starts with session learning objectives and ends with conclusions. The objective is to make Indian industries explore 3D printing and its applications and benefit.

Workshop 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
- Metal 3D Printing
- Design for Additive Manufacturing

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
- Exploration of Samples
- 3D Scanning Demo
- **Demo & Facility Visit: Imaginarium India Pvt Ltd** - Asia's largest 3D Printing and rapid prototyping company catering to a number of industries like consumer goods, automotive, engineering, healthcare, medical, architecture, jewellery, etc.

Session 6: **Valedictory**

- Questions & Answers
- Distribution of Participation Certificates
- Group Photo
- Feedback

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)

Dr 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.

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

Number of nominations is restricted to 25 only and will be purely enrolled on first come first serve basis.

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

Nominations & Enquiries:

Swapnil Pednekar/ Jinal Panchal
Executive

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CII Naoroji Godrej Centre of Manufacturing Excellence
Godrej Station-Side Colony
Opp Railway Station, Vikhroli (East)
Mumbai - 400 079
Tel: (022) 2574 5146 / 5148
Mobile : 09819065199 / 09969418823
Email: swapnil.pednekar@cii.in/ ciicme.projects@cii.in