



**Centurion**  
**UNIVERSITY**

**Centurion University of Technology and Management**

Workshop on:

**Laser Additive Manufacturing**

**Date: 22-05-2020**

No. of Students and/or Faculty Participated: 37

Venue: ONLINE, Centurion University of Technology & Management

### **Resource Person**



**Dr. C P Paul**

Dean- Student Affairs,

HBNI & Head, Laser Additive Manufacturing Lab & Incubation Centre-RRCAT

**About the resource person:**

Dr. C P Paul is leading a research group in area of Laser Additive Manufacturing (LAM) at Raja Ramanna Centre for Advanced Technology (RRCAT). He is recognized as one of the top 2% most Influential scientists worldwide for the last two consecutive years (i.e., 2019 and 2020) in the list prepared by the Stanford University US and published by Elsevier B V.

Dr. Paul has ~20 years of experience in research and development of LAM, from system-development to its applications in engineering. His research programs focus on next generation additive manufacturing system and processes. To this end, he explores novel techniques to develop advanced materials, innovative products, modeling and simulation tools, and holistic in-situ and ex-situ characterization techniques. He is instrumental in promoting LAM technology in India through collaborations with other national labs and reputed academic institutes by extending the indigenous developed facility for experiments. He has contributed chapters to 23 books and published over 120 research papers in reputed international journals. He has recently authored a text book on Additive Manufacturing for Undergraduate/ Postgraduate Students, Faculty Members and practicing AM Engineers.

**About the Session:**

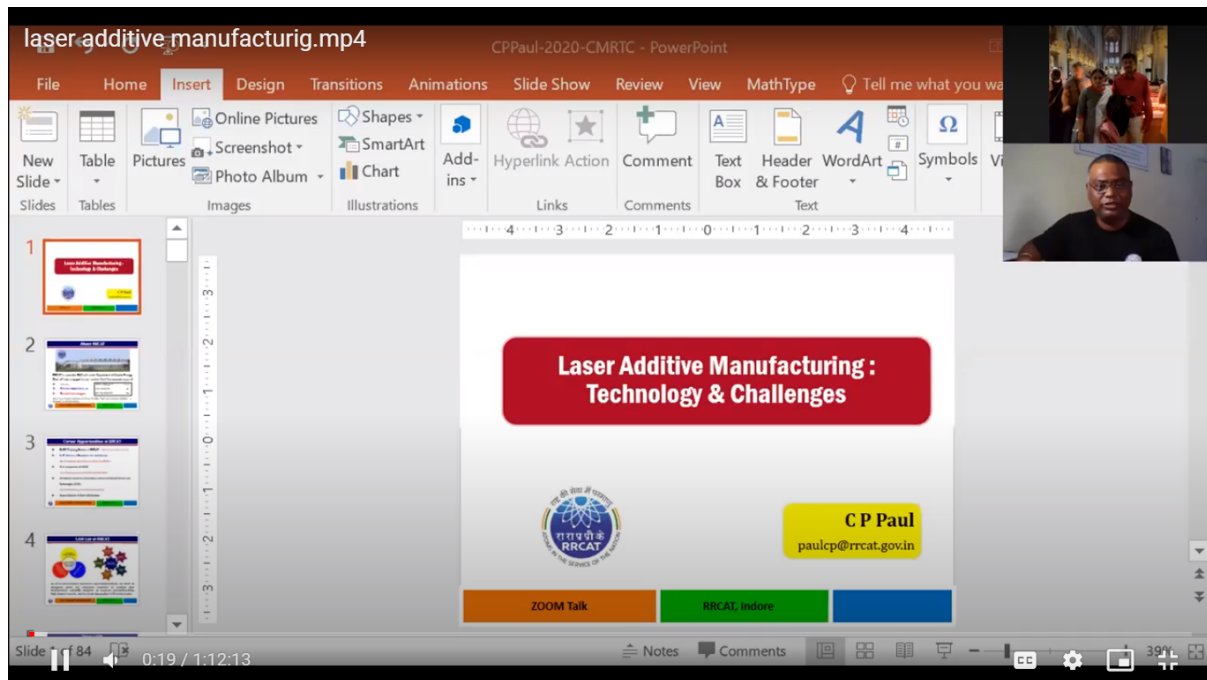
Dr. C P Paul is leading a research group in area of Laser Additive Manufacturing (LAM) at Raja Ramanna Centre for Advanced Technology (RRCAT). He addressed about the additive manufacturing (AM) process that builds 3D objects, from 3D model data, by adding layer-by-layer of material.

**Objectives:**

- The Cost Of Entry Continues to Fall.
- You'll Save on Material Waste and Energy.
- Prototyping Costs Much Less.
- Small Production Runs Often Prove Faster and Less Expensive.
- You Don't Need as Much On-Hand Inventory.
- It's Easier to Recreate and Optimize Legacy Parts.

**Outcomes:**

- Laser beam machining (LBM) is a form of machining that uses heat directed from a laser beam. This process uses thermal energy to remove material from metallic or nonmetallic surfaces. Cuts non-ferrous material with ease. Reliable and fast machinery for rapid turnaround. Uses less energy when cutting – using nitrogen, oxygen, air. Cuts through the thickest of metals – including mild steel. Cut complex shapes with precise detail.



## Online session LASER ADDITIVE MANUFACTURING



**WORKSHOP ON**

# Laser Additive Manufacturing

DATE:22.05.2020

**Resource Person:**  
**Dr. C P Paul**  
Dean- Student Affairs,  
HBNI & Head, Laser Additive Manufacturing  
Lab & Incubation Centre-RRCAT

*Organised by:*  
**Centurion University of  
Technology And Management**

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## Participant Lists:

1	Dr. Abhinna Chandra Biswal	Professor
2	Dr. Sudhansu Kumar Samal	Associate Professor
3	Dr. Rajendra Kumar Khadanga	Associate Professor
4	Dr. Ardhendu Mouli Mohanty	Professor
5	Dr. Ramesh Chandra Mohanty	Professor
6	Dr. Laxman Kumar Malla	Asst. Professor
7	Dr. Nitesh Dhar Badgayan	Asst. Professor
8	Prajna Paramita Debata	Asst. Professor
9	Babuli Kumar Jena	Asst. Professor
10	Dilip Kumar Mohanta	Asst. Professor
11	Dr. Kapileswar Mishra	Professor
12	Dr. Kamal Kumar Barik	Associate Professor
13	Dr. Siba Prasad Mishra	Associate Professor
14	Sagarika Panda	Asst. Professor
15	Snigdha A Sanyal	Asst. Professor
16	Sadhana Devi	Asst. Professor
17	Vignesh M.	Asst. Professor
18	Mr. Vignesh	Assistant Professor
19	Dr. Sujata Chakravarty	Professor & HOD
20	Dr. Sangram Keshari Swain	Associate Professor
21	Dr. Sabyasachi Mohanty	Associate Professor
22	Dr. P Annan Naidu	Asst. Professor
23	Dr. Bhabendu Kumar Mohanta	Asst. Professor

24	Sasmita Kumari Nayak	Asst. Professor
25	Manoj Kumar Behera	Asst. Professor
26	Mamata Garanayak	Asst. Professor
27	Suwendu Kumar Nayak	Asst. Professor
28	Shivani Nanda	Asst. Professor
29	Raj Kumar Mohanta	Asst. Professor
30	Rakesh Kumar Ray	Asst. Professor
31	Shreela Dash	Asst. Professor
32	Nilamadhab Dash	Asst. Professor
33	Mamata P Wagh	Asst. Professor
34	Debaraj Rana	Asst. Professor
35	Dr. Prasanta Kumar Mohanty	Professor
36	Dr. Smita Mishra Panda	Professor
37	Dr. Susanta Kumar Mishra	Professor



Dr. Prasanta Ku. Mohanty  
Dean Academic



Prof. KVD Prakash  
Dean - IIE & HRD