Additive Manufacturing – 3D Printing by Abhishek Kalra

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A guest lecture by Mr.Abhishek was conducted for the students of Operations specialization on the topic, 'Additive Manufacturing – 3D Printing' , wherein students of Sem II and Sem IV participated. Mr. Abhisek gave a clear understanding of entire process involved in additive manufacturing technology, its application and its future.

Additive manufacturing is also known as 3D printing, rapid prototyping or freeform fabrication.
It is a process of joining materials to make objects from 3D model data, usually layer upon layer, as opposed to subtractive manufacturing methodologies' such as machining. Additive manufacturing now enables both a design and in various industrial sectors such as aerospace, energy, automotive, medical, tooling and consumer goods, he explained. The impact of the Additive manufacturing on the regular manufacturing process has been discussed taking several applications of AM as examples. (G.E printing nozzles)
The Advantages of 3D printing such as Creativity, Compression of Time, Confidentiality and Cost of Error can be realised he stated.

Some moments of the sessions

Conclusion:

The session gave the students several insights and helped them in understanding the potential of the Additive Manufacturing as an industry in terms of the sustainability, new opportunities for employment and entrepreneurship.

Dr. Mohammed Laeequddin

Area Chair - Operations

Dr. Ravi Kumar Jain

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