LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)
L.B.Reddy Nagar, Mylavaram – 521 230, Krishna Dt.,Andhra Pradesh, INDIA
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DEPARTMENT OF MECHANICAL ENGINEERING

A.Y:2015-16

Event	: **Guest Lecture**
Title of Event	:3D printing applications
Date of the Event Organized	:29-02-2016
Resource Person	:V. Siva Ganesh
Venue	:**LBRCE, Mylavaram**
No. of Participants	: Faculty: 16
	Students:134

Report on Event:

Mr. V. Siva Ganeshhad delivered a guest lecture on 29-02-2016 on "**3D printing applications**" to the students of II, III and IV yr students of Mechanical Engineering.

He discussed about a variety of processes, equipments, and materials used in the synthesis of a three-dimensional object. 3D printing(additive manufacturing) processes tend to be additive in nature with a few key differences in the technologies and the materials used in this process.

He emphasized on some of the different types of processes include extrusion, light polymerization, continuous liquid interface production and powder bed. Each process and piece of equipment has pros and cons associated with it. These usually involve aspects such as speed, costs, as well as a mechanical and appearance properties of the material like strength, texture and color.

Processes like selective laser melting (SLM) or direct metal laser sintering (DMLS), selective laser sintering (SLS), fused deposition modeling (FDM), or fused filament fabrication (FFF), while others cure liquid materials using different sophisticated technologies, such as stereolithography (SLA) are discussed illustratively.

He focused on the main considerations in choosing a machine are generally speed, costs of the 3D printer, of the printed prototype, choice and cost of the materials, and color capabilities.

Further, the recourse person mentioned that the printers that work directly with metals are generally expensive and pointed out that less expensive printers can be used to make a mold, which is then used to make metal parts.


A Seminar
on
"3D Printing & Applications"
Resource Person
Mr.V.Siva Ganesh
29th February , 2016
organized by
DEPARTMENT OF MECHANICAL ENGINEERING


Ganesh


A Seminar
on
" 3D Printing & Applications "
Resource Person
Mr.V.Siva Ganesh
Managing Director - Indusbaz Company
29th February , 2016
organized by