



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

L.B.Reddy Nagar, Mylavaram – 521 230, Krishna Dt., Andhra Pradesh, INDIA

Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi

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DEPARTMENT OF MECHANICAL ENGINEERING

A.Y:2016-17

Event	: Guest Lecture
Title of Event	:Advanced Manufacturing Technology
Date of the Event Organized	:08-02-2017
Resource Person	: Dr. M. Ravi Kumar
Venue	: LBRCE, Mylavaram
No. of Participants	: Faculty: 20 Students: 138

Report on Event:

Dr. M . Ravi Kumar delivered a guest lecture on 08-02-2017 on Advanced Manufacturing Technology to the students of III and IV yr students of Mechanical Engineering.

The guest lecture briefed about

- Products with high levels of design
- Technologically complex products
- Innovative products
- Reliable, affordable, and available products
- Newer, better, more exciting products
- Products that solve a variety of society's problems

Further, the guest lecture focuses on the manufacturing process technologies include:

- Computer technologies (e.g., CAD, CAE, CAM)
- High Performance Computing (HPC) for modeling, simulation and analysis
- Rapid prototyping (additive manufacturing)
- High Precision technologies, Information technologies
- Advanced robotics and other intelligent production systems
- Automation
- Control systems to monitor processes
- Sustainable and green processes and technologies
- New industrial platform technologies (e.g., composite materials)
- Ability to custom manufacture
- Ability to manufacture high or low volume (scalability)
- High rate of manufacturing

The importance automated industry is focused upon during his lecture, in over all.



