

# ADITYA COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated to JNTUK, Kakinada)  
Aditya Nagar, ADB Road, Surampalem – 533437

## Department of Mechanical Engineering

Title of the Workshop	: RECENT TRENDS IN MANUFACTURING
Resource Persons	: Prof. C.S.P.RAO NIT Warangal
Date(s) of Workshop	: 14-10-2015 to 16-10-2015
Aim of Workshop	: Manufacturing fundamentals Learning various tools in manufacturing Learn to guide learners on Manufacturing Learn the relevance of applications in real time

Industrial manufacturers inhabit a world littered with uneasiness. Global demand for manufactured products is growing at a snail's pace. Output is expected to increase just 3.1 percent in 2016 and 3.4 percent in 2017, according to the International Monetary Fund. Growth is dampened by Brexit concerns and political uncertainties. Foreign trade is at historically low levels, and, although oil prices have recovered a bit recently, they are not rising enough to undo the collapse in drilling and concomitant retraction in the rest of the energy supply chain.

The ripple effects of any attempts to reset trade agreements would be felt in the industrial manufacturing sector; manufacturers with plants in Mexico and China could see their business models decline quickly under the weight of increased import duties and tariffs. Many will take a wait-and-see approach, delaying capital expenditure investments until more clarity on actual policies emerges.

There is a remarkable opportunity here. Yet the industrial manufacturing sector remains risk averse, unwilling to spend on new machinery, software, and talent during a period of protracted slow growth and limited proven solutions. In a recent PwC survey, only 30 percent of U.S.-based industrial manufacturing senior executives said that their companies were planning to increase spending on information technology in the subsequent 12 months. The remaining companies are likely to fall behind.

### **Program Schedule:**

Date	14-10-2015
10:00-10:20	Intro to Workshop
10:20-11:10	Getting started with Manufacturing methods
11:10-11:30	Tea break
11:30-12:20	Traditional methods of manufacturing

12:20-1:10 Heat transfer revision  
1:10-2:00 Lunch  
2:00-4:40 Hands-On

**Date 15-10-2015**

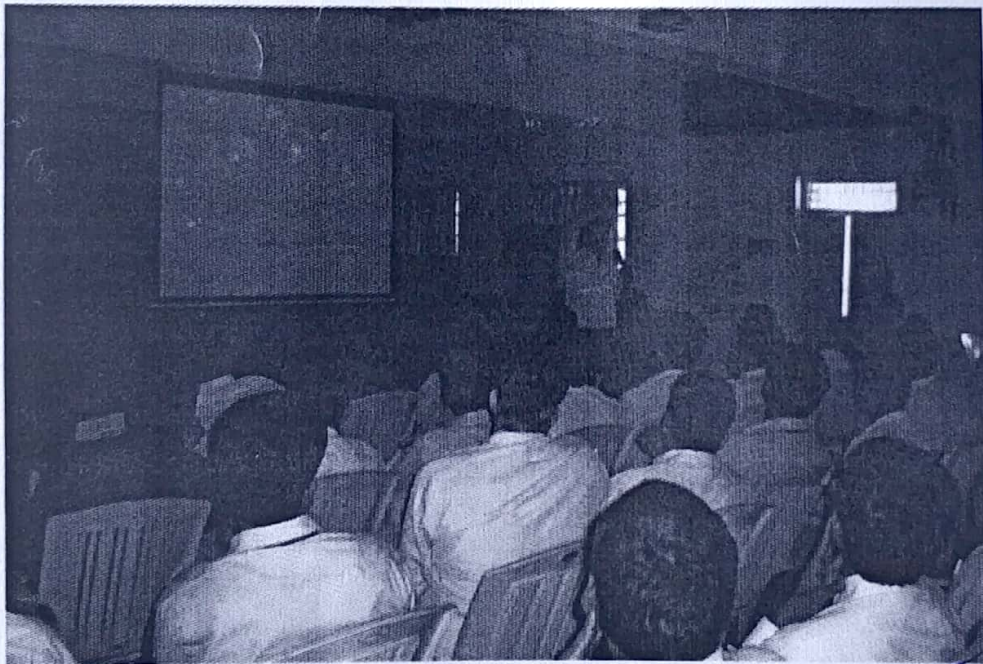
10:00-11:10 Types of Manufacturing methods  
11:10-11:30 Tea break  
11:30-12:20 Recent methods of manufacturing  
12:20-1:10 Heat treatment methods  
1:10-2:00 Lunch  
2:00-4:40 Hands-On

**Date 16-10-2015**

9:30-10:30 Design of equipment  
10:20-11:10 Materials used  
11:10-11:30 Tea break  
11:30-12:20 Video demonstration  
12:20-1:00 Applications  
1:00-2:00 Lunch  
2:00-4:40 Overview

**No. of Participants : 76**

## PROGRAM PHOTOS



**Overall Assessment : Good**

**Event Coordinators :**

1. Mr. A. RAVINDRA  
Associate Professor, Dept. of ME
2. Mr. K.L. KISHORE  
Associate Professor, Dept. of ME

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