

SRI ADITYA ENGINEERING COLLEGE

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

Department of Mechanical Engineering

Title of the Workshop	: MICRO MACHINING TECHNIQUES
Resource Persons	: Prof. A, SRIDHAR Gitam University
Date(s) of Workshop	: 25-02-2015 to 27-02-2015
Aim of Workshop	: Micro Machining fundamentals Learning various tools in Micro Machining Learn to guide learners on Micro Machining Learn the relevance of applications in real time

Micromachining may refer to:

The technique for fabrication of 3D and 2D structures on the micrometer scale.

- Superfinishing, a metalworking process for producing very fine surface finishes
- Various microelectromechanical systems
 - Bulk micromachining
 - Surface micromachining
 - High-aspect-ratio microstructure technologies

Micromachining is used to fabricate three-dimensional microstructures and it is the foundation of a technology called Micro-Electro-Mechanical-Systems (MEMS). Bulk micromachining and surface micromachining are two major categories (among others) in this field. This book presents advances in micromachining technology. For this, we have gathered review articles related to various techniques and methods of micro/nano fabrications, like focused ion beams, laser ablation, and several other specialized techniques, from esteemed researchers and scientists around the world. Each chapter gives a complete description of a specific micromachining method, design, associated analytical works, experimental set-up, and the final fabricated devices, followed by many references related to this field of research available in other literature. Due to the multidisciplinary nature of this technology, the collection of articles presented here can be used by scientists and researchers in the disciplines of engineering, materials sciences, physics, and chemistry.

Program Schedule:

Date	25-02-2015
10:00-10:20	Intro to Workshop
10:20-11:10	Getting started with Mechatronics

11:10-11:30	Tea break
11:30-12:20	Basics of Mechatronics
12:20-1:10	Robotics revision
1:10-2:00	Lunch
2:00-4:40	Hands-On and review

Date 26-02-2015

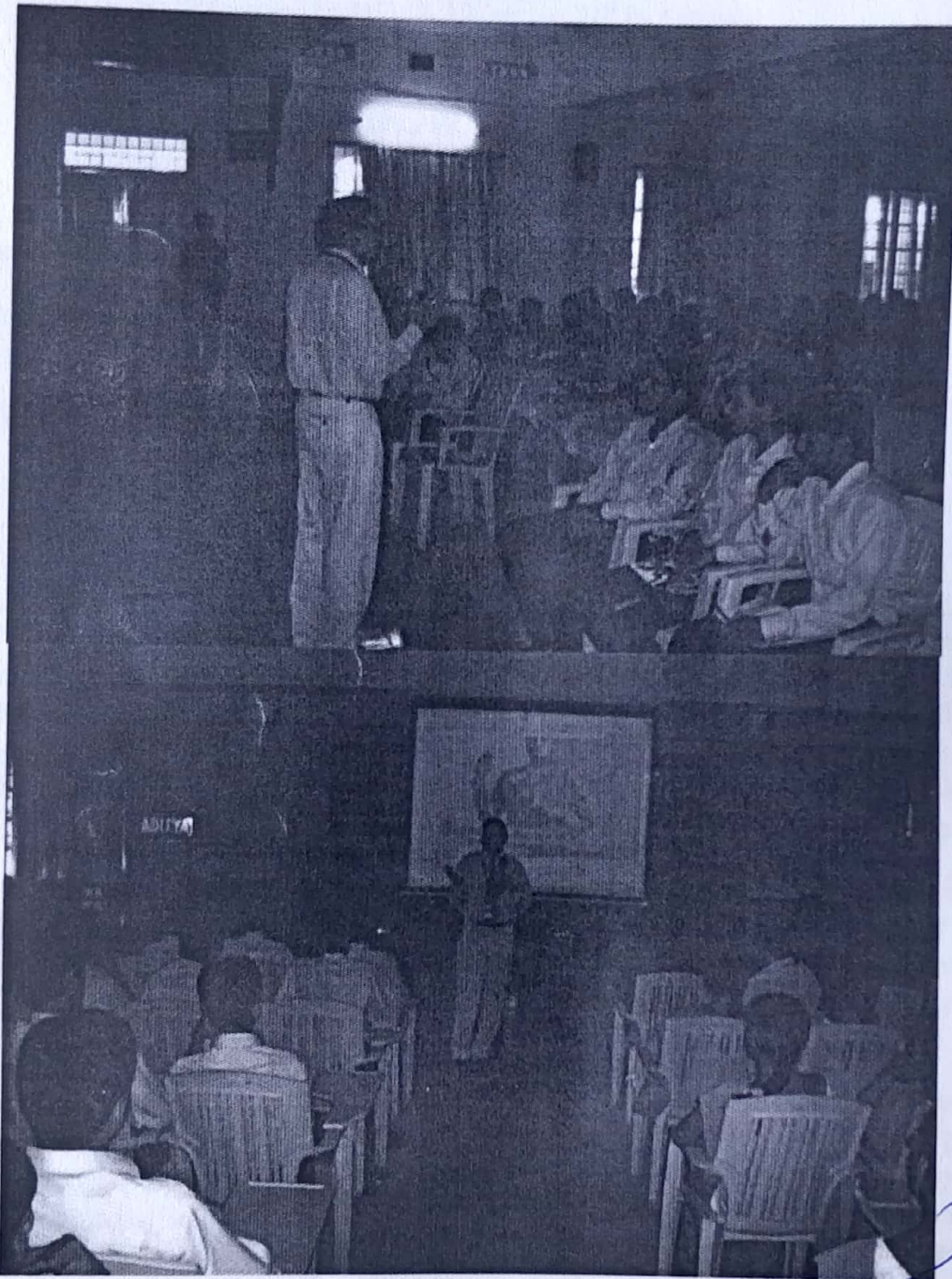
9:30-10:30	Electronics basics
10:20-11:10	present situation
11:10-11:30	Tea break
11:30-12:20	Video demonstration
12:20-1:00	Applications
1:00-2:00	Lunch
2:00-4:40	Hands-On and review

Date 27-02-2015

9:30-10:30	Role of Mechatronics in industries
10:20-11:10	Technology developments
10:20-11:10	Role of Mechanical Engineers
11:10-11:30	Tea break
11:30-12:20	Video demonstration
12:20-1:00	Future Scope
1:00-2:00	Lunch
2:00-4:40	Overview

No. of Participants : 72

PROGRAM PHOTOS



Overall Assessment : Good

Event Coordinators :

1. Mr. M. RAMBABU

Assistant Professor, Dept. of ME

2. Mr. JAI KISHAN

Assistant Professor, Dept. of ME

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