



ACS College of Engineering

Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
(A Unit of RajaRajeswari Group of Institutions)
CET Code : E186 COMED-K : E003 PGCET : T918



DEPARTMENT OF MECHANICAL ENGINEERING Organized

ONE DAY INDUSTRIAL VISIT

On

19th August 2017

To



By

Prof. Sunilraj B.A

Assistant Professor,

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ABOUT ACCUTECH ENTERPRISES

Accutech Enterprises was incorporated in the year 2000 by two young dynamic engineers Mr. K. O. Siddesh. & Mr. M. J. Prasad. Accutech Enterprises is a precision CNC Machining house specialized in Machining of Aerospace, Machine Tools, Earth moving Equipment Components, Locomotive Engine Components and General Engineering Componets.

They are equipped with a sophisticated line of machinery, that cater to the most stringent manufacturing demands of our customers. The manufacturing unit encompasses state-of-the-art CNC (Computer Numerical Control) and other automated machines. The production unit with streamlined process supports flawless and uninterrupted manufacturing operations.

Besides, they also have a well guarded and spacious warehouse for storage of in-coming raw material and finished products. All the products are stored in segregated manner with proper labels. The warehousing facility enable us to meet the contingency and bulk requirements of the customers within stipulated time frame.

The company is an AS9100 & ISO:9001:2008 Certified Company with a well defined “Quality Management System”. Quality assurance starts right from the procurement of raw material and forms an essential part of all the processes till the final dispatch. The company products are continuously monitored by expert quality control professionals. All the products are tested on different parameters to assure compliance with International standards. Prior to dispatch, every batch is individually inspected to ensure that they match with client's specifications.



The Details of the visit are as follows:

The Department of Mechanical Engineering, ACS College of Engineering organized a one day Industrial Visit to “Accutech Enterprises”, Peenya, and Bangalore on 19th August 2017 for third year students.

The visit was organized with the prior permission and guidance of **Prof. Sunilraj B.A.** .A total of 32 students along with 2 faculty members have joined the visit.

1. We started from our college premises sharply at 01:00 P.M. on 20th February 2016.

2. Reached Accutech Enterprises by 1:45 pm

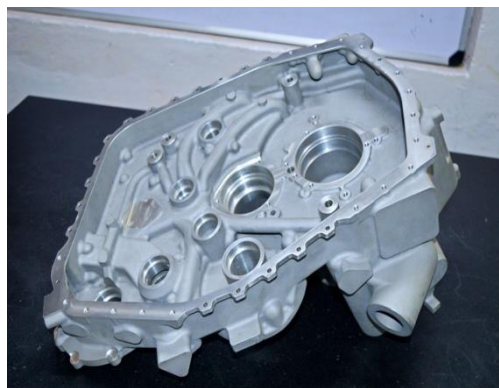
- At 2.00 p.m. We are welcomed by the Mr. Vinay, Mechanical Engineers from Accutech Enterprises. He gave instructions before visiting the company. He also had given oral explanation about the ACE Designers solution company overview. Which makes the students to know about the company.
- At 2.15 p.m. We visited the Accutech Enterprises R and D centre. Where we got information about the following technology:
 - Machine validation & testing for CNC Turning machines product range
 - CNC technology
 - Structural Analysis & Optimization using Finite Element Technique
 - Technologies for next generation machines like robot technology
 - Products Manufactured in the company
- At 3.30 p.m. We visited the shop floor with the engineer Mr. Vinay. At each layout we got about the explanation of the each part which is to be installed in the lathe. We started journey from the Lath bed section. In the lathe bed section we got information about the V grove lathe bed and the composition of V grove bed.
- Then we move towards the drive system of the lathe. We got information about the installation of the motor drive and the automation technology. Here the students gained the knowledge about the capacity of the drive system. The drive system is different for different capacity of the lathe

- At 4.30 p.m. we come across the bending section. We got information of the bending section of the lathe. Which is very much required for the frame work of the lathe.
- AT 4.45 p.m. We visited the tools installation section. We came across different types of tools and its working capacity . And also about the installation of the tools for the lathe
- At. 5.00 pm. We visited Robotics section. The robots performing the welding operation for the frame work of the lathe. The students are very much eager to know about the Robots. The robotic engineering Mr. Shankar explained about the Robotics technology for 30 minutes and we also got practical exposure of the robotics system.
- Finally at the end of the session at 6.00 p.m.

Our faculty Mr. Sunilraj B.A. on behalf of ACS College of Engineering, has given a vote of thanks for the Accutech Enterprises, for giving a great opportunity to visit the plant.

At 6.30 p.m., we started a return journey to the college

Aerospace Components Manufactured in Accutech Enterprises



Machines in Accutech Enterprises

