

School of Engineering

DEPARTMENT OF MECHANICAL ENGINEERING

Date 22-07-2014

A Report on industrial visit

“SAI DEEPA ROCK DRILLS Pvt. Ltd.”

Date: 21-07-2014

The department of Mechanical Engineering arranged industrial expo visit for IInd year students, which is held on 21-07-2014

Sai Deepa rock drill was Global leader in design, manufacture and services of DTH hammers, DTH bits, Top hammer tools, HDD, Rotary and Exploration drilling tools with extensive range. They are the ultimate source of ROCK DRILLING Solutions. Sai Deepa develops world-class products using efficient raw materials and cutting edge manufacturing technology.

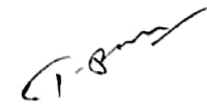
In this industry students are observed so many new technologies in manufacturing like LASER Cladding which is used to surface hardening with carbide and NI, CNC turning machines and milling machine operation with machine center and ATC.

By this visit, students are gained the knowledge about forging process. Forging is a manufacturing process involving the shaping of a metal through hammering, pressing, or rolling. The compressive forces in forging process are delivered with a hammer or die to the work piece. Forging is often categorized according to the temperature at which it is performed—cold, warm, or hot forging.

Mr. A Venkata Vishnu, Mr. K Suresh Kumar and Mr. S. Narendar, along with IInd year B-Tech Mechanical engineering students are visited the industry.

The students understand the usage of latest technology like

- Different types of rock drills
- Various latest CNC machines
- Different heat treatment processes used for surface hardening of drills



HOD-ME

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