



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON EVENT “INDUSTRIAL VISIT TO PRATHAP INDUSTRIES, ENIKEPADU”

Event Type	:	Industrial Visit of B. Tech-IV Semester B & C- Section Students
Date / Duration	:	18 th & 19 th Feb 2020
Name of Industry	:	M/s Prathap Industries, Enikepadu.
Faculty Accompanied:		Mr. K. V. Viswanath & Mr. D. Mallikarjun Rao Mr. S.Rami Reddy & Mr. G. Naresh
Total no of students:		118
Objective of the event:		To get exposure to the production practices in industries.
Outcome of event	:	Students acquired knowledge of fundamental manufacturing processes like furnaces, casting process and use of different machines and tools for further finishing.

Description / Report on Event:

The II B.Tech IV Semester B&C Section Students of Mechanical Engineering accompanied with four staff members (including 2 teaching & 2 non teaching) visited **Pratap Industries**, Vijayawada on 18-02-2020 & 19-02-2020. The main objective of the visit is to bridge the gap between industry and academia. These industries mainly focus on manufacturing of various material castings as per customer requirements.

After arriving the industry, the students were divided into two batches and the first batch was sent to Pratap industries first unit and the second batch to second unit of Pratap Industries. Mr. Raghava Prasad, MD, Pratap Industries address the respective students and introduced about the industry. Later they alloted a supervisor and sent them to visit the industry. The supervisor explained the steps involved in casting process & safety precautions.

The industry consists of two units, namely casting unit & machine shop. The casting unit consists of various processes includes pattern making, mould preparation, melting of metals, pouring of metals in to the mould cavity, solidification process, and fettling. The companies using sand with silica as additive for mould preparation. Using silica the sand stables for high temperatures.

The Machine shop consists of various machines to perform various machining operations such as Lathe machine, Radial drilling machine, Shaping machine, slotting machine, Planning machine, grinding machine (radial and Surface), etc.

Feedback / Suggestions : The students felt very happy and they expressed that they have learnt a lot about the casting process and observed the process of different machines and machine tools.

Photographs: The following are the photographs of Industrial Visit of IV Semester B-Section & C-Section Students to M/s Prathap Industries, Enikepadu.



B-Sec Students listening to the instructor at the Lathe machine



B-Sec Girl Students inside the Plant



III Semester C section students group photo at M/s Prathap Industries



III Semester B section students group photo at M/s Prathap Industries



Large numbers of cope and drag boxes



C Section students observing slag

