



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

“INDUSTRY VISIT TO PRAKASA SPECTRO CAST P LIMITED, ENIKEPADU, VIJAYAWADA”

Event Type	:	Industry Visit of B. Tech-III Semester Students
Date / Duration	:	25 th September 2024
Name of Industry	:	M/s Prakasa Spectro Cast P Limited, Enikepadu, Vijayawada.
Faculty Accompanied	:	Dr.K.Murahari & Mr. S.Uma Maheswara Reddy NT staff – Mr.S.Ajay Babu and Mr.K.N.D.Mallikarjuna Rao
Total no of students	:	65
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-III Semester Students of Mechanical Engineering accompanied with four staff members (including 2 teaching & 2 non teaching) visited **Prakasa Spectro Cast P Limited**, Enikepadu, Vijayawada on 25-09-2024. 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 **Prakasa Spectro Cast P Limited** and the second batch to Krishna Engineering works, which is a sister concern of Prakasa Spectro cast. Mr. T.Pardhasaradhi, MD, of Prakasa Spectro cast address the students and introduced about the industry. Later they allotted supervisors and sent them to visit the industry. The supervisors 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.

Photographs: The following are the photographs of Industry Visit of B.Tech-III Semester A-Section Students to M/s Prakasa Spectro Cast P Limited, Enikepadu, Vijayawada.



Students listening to the instructor at the Machine Shop in the industry



Students listening at the furnace section in the industry



Students at the foundry section watching the process



Students at the foundry section watching the process at the Milling machine



Students taking photograph in front of the company M/s Prakasa Spectro Cast P Ltd



Students taking photograph in the company premises of M/s Prakasa Spectro Cast P Ltd