



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution since 2010)

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

L.B. Reddy Nagar, Mylavaram, NTR District, Andhra Pradesh - 521230



DEPARTMENT OF MECHANICAL ENGINEERING

A.Y: 2025-26

Report on

INDUSTRIAL VISIT TO “PRAKASA SPECTRO CAST P LIMITED” ENIKEPADU

Event Type : Industrial Visit of B.Tech-III Semester A Section Students

Date / Duration : 10.10.2025 for one day

Name of Industry : Prakasa Spectro Cast P Limited, Enikepadu, Vijayawada

Faculty Accompanied: Dr.Ch.Siva Sankara Babu, Assoc. Professor

NT staff – Mr.G.Ravindra Reddy and Mr.Venkata rathnam

Total no of students: 63

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 three staff members (including 1 teaching & 2 non teaching) visited Prakasa Spectro Cast P Limited, Enikepadu, Vijayawada on 10-10-2025. 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..

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Students are observing the instructions of Instructor at the Milling Machine



Students are observing the instructions of Instructor at the Machine shop



Students are observing the instructions of Instructor at Grinding Machine



Students are observing the instructions of Instructor at the Machine shop



Group photo in front of Prakasa Spectro Cast P Ltd Enikepadu



Group photo in front of Prakasa Spectro Cast P Ltd Enikepadu