



**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

### REPORT ON INDUSTRIAL VISIT TO “KUSALAVA INTERNATIONAL LIMITED, Adavinekkalam”

A.Y: 2024-25

Event Type	:	Industrial Visit of B.Tech-IV Semester A-Section Students
Date / Duration	:	26.12.2024 for one day
Name of Industry	:	Kusalava International Limited, Adavinekkalam
Faculty Accompanied:		Mr.K.Lakshmi Prasad, Sr. Asst. Professor Mr.V.Sankararao, Sr. Asst. Professor, NT staff – Mr.G.Ravindra Reddy and Mr.P.Manikyala Rao
Total no of students:		56
Objective of the event:		To get exposure to the casting process and CNC Machines.
Outcome of event	:	Students acquired knowledge of centrifugal casting process used for making Cylinder liners and the working of CNC machines.

#### **Description / Report on Event:**

The II B.Tech II Semester A Section Students of Mechanical Engineering accompanied with four staff members (including 2 teaching & 2 non teaching) visited KUSALAVA INTERNATIONAL LIMITED, Adavinekkalam on 26-12-2024 timings 10 AM to 3 PM. The main objective of the visit is to bridge the gap between industry and academia.

Kusalava International Limited is one of the leading manufacturer of critical engine parts, supplying to major OEM's in India. Kusalava International also has a dominating presence in the After Market, its products are marketed under the brand name Tiger Power, and currently Tiger Power possesses a market share of 35% in India and 30% in USA.

After arriving the industry, the students were divided into three batches and they were guided by technical staff inside the Kusalava International Limited to different sections viz., casting, repair, machine shop and explained neatly to the students by the allotted supervisors have clarified the student doubts. The supervisors explained the steps involved in casting process & safety precautions. All the small, medium and big IC engine cylinders and liners were displayed for easy understanding of the function and use in an automotive.

**Feedback / Suggestions:** The students felt very happy and they expressed that they have learnt a lot about the centrifugal casting process used for making Cylinder liners and working of CNC machines.

**Photographs:** The following are the photographs of Industrial Visit of IV Semester A-Section Students

To KUSALAVA INTERNATIONAL LIMITED, Adavinekkalam.



Introduction to Kusalava Industries Ltd.



Students are observing CNC machine



Grinding Machines



Mould cavity



Group photo in front of KUSALAVA INTERNATIONAL LIMITED, Adavinekkalam



Group photo in front of KUSALAVA INTERNATIONAL LIMITED, Adavinekkalam