



## Koneru Lakshmaiah Education Foundation

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Campus: Green Fields, Vaddepeta - 522 302, Guntur District, Andhra Pradesh, INDIA.

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### Department of Mechanical Engineering Industrial Visit Report – Kusalava International Limited, Adavinekkalam

III/IV B.Tech Design and Smart Manufacturing Specialization students of Mechanical Engineering Department were taken to Kusalava International Limited, Adavinekkalam for industrial visit on 20-09-2023 to acquire knowledge by seeing practically the things happening in an industry. Initially Kusalava team shared details of different types of cylinder liners produced in their industry and then they discussed about design parameters and specifications of cylinder liners, list of available Production equipment, list of available Testing equipment, their customers details etc. to all students. As a part of visit 41 students, 1 faculty (Dr. S. S. Rao) and 1 Research Scholar (Mr. Ashwin Kumar) have visited the industry.





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Students were taken to industry to show Foundry, where the cylinder liner castings produced and finishing section, where honing operation will carry to improve finishing of cylinder liners. After they took students to machine shop, where various CNC machines are available. They explained working and coding of CNC machines and how they are using CNC's for cylinder liners production. At last, they shown quality control department and packing section to students and explained the process they are following.

Kusalava International Limited official customers are Ashok Leyland, SML Isuzu, TATA, Mahindra, Volvo etc., Students learned about design specifications of various liners, manufacturing and testing of various cylinder liners, Operation of various CNC machines, Quality checking of various cylinder liners.





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At last, Dr. S.S. Rao, Professor thanked management of Kusalava International Limited for accepting and providing guidance for the industrial visit.

**Prepared by**

Dr. S. S. Rao

**Approved by**

Dr. B. Kiran Kumar

**Authorized by**

HOD-ME