<u>Department</u>: Mechanical Engineering

Name of the Event/MOU: Industrial visit Report on MOU" HB Industry Unit II Jalandhar" and Department of Mechanical Engineering, DAV University Jalandhar.

Date of the Event: 20th September, 2024

Name of the Resource Person (if applicable): Er Ajay Raj, HB Industry Unit II Jalandhar

<u>Teacher Coordinator</u>: Mr Ved Raj Khullar, Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar

Dr Sumit Nijjar Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar

Report:

The 2nd year students of B Tech Mechanical Engineering, Department of Mechanical Engineering, DAV University Jalandhar visit to HB Industry Unit II Jalandhar.

HB Industries Unit II is ISO 9001:2015 Certified Company, owned by HB Group. The Unit manufactures Precision Machined Castings. HB Group is in the foundry business since 1976. HB's core competency lies in achieving material grades with greater accuracy and precision in machining to closer tolerances. The Unit is spread over an area of 70,000 sq ft with an installed monthly capacity of 1000 Metric Tonnes. The foundry plant is DISA engineered with DISA make automatic sand plant, DISA Arpa 450 machines and Disa automatic shot blast machines, Multiple Cold Box Machines, Multiple Core Shooter machines. The unit also has in house machining facilities with a wide range of machines like HMC, VMC, VTL, CNC, Broach Machines, Honing Machines, Lathes, Milling Machines & Radial drills. Quality department covers complete Sand Lab, Metallurgical Lab with Spectrometer & Image Analyser, Physical Testing Lab, CMM & wide range of checking aids. We have invested and developed a skilled, dedicated workforce with an overall focus on lean operations and waste elimination.

Product Capability: Machined Graded Castings in Ductile Iron, Cast Iron & Malleable Iron: Housing of all kinds, Flywheels, Wheels Hubs, Differential Carrier, Bearing Caps, Cages, Clutch, Actuator Guides, Shift Carrier, Pedestals, Brake Drums, Pump Body, Valves, Pipe Fittings & Scaffoldings

Department of Mechanical Engineering pleased to announce the successful and knowledgeable completion of a one-day industrial visit program at HB Industry Unit II Jalandhar.

Department deepest gratitude extends to Vice Chancellor, Prof. Manoj Kumar, Dr R K Seth Dean Science and Engineering, Department coordinator, Dr Sharanjit Singh for their unwavering support and confidence in organizing and arranging the industrial visit. Special acknowledgment goes to Mr. Ved Raj Khuller (AP) and Dr Sumit Nijjar (AP) the faculty coordinator for visit, for their exceptional dedication and coordination.

Department would also like to commend all shop in charge and Heads of HB Industry for nurturing such disciplined and punctual visit for students. Their guidance and efforts have been invaluable in shaping these young professionals.

A sincere thanks to Er. Ajay Raj, Plant Head at HB Industry, for their diligent efforts in training these young minds. Your commitment and expertise have significantly contributed to the success of this visit.

We look forward to continuing this fruitful collaboration in the future.



Geotagged Pictures of the event:

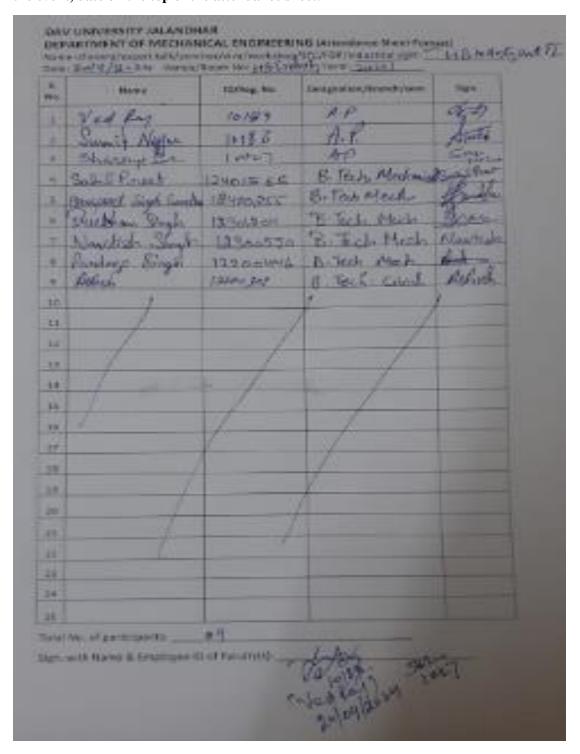








Attendance Sheet/completion letter of Students containing name of the event, department, type of the event, date on the top of the attendance sheet.



Learning Outcomes:

- **1.** Entrepreneurial Opportunities
- 2. Design and Development