



GOVERNMENT POLYTECHNIC VALSAD

MECHANICAL DEPARTMENT



DECEMBER: 2021

INDUSTRIAL VISIT

The Mechanical Engineering Department Government, Polytechnic Valsad had organized an industrial visit for students of 2ND Year 3rd Semester mechanical students, on the 7th December 2021. The visit was to Art Pack Pvt. Ltd., situated near to old G.I.D.C. Gundlav. The visit started at 2:00pm of working day. Within the industrial premises Mr. Babubhai Patel was with us and guide all the students during the visit with their supervisor and briefed up with the introduction about the foundry Process.

The plant visit to Art Pack Pvt. Ltd. was an enriching experience for students in getting knowledge of metal casting process, gating system, melting and casting quality which can help them in their study and further career enhancements.

Details of Visit:

Date: 7th December 2021.

Place: Art Pack Pvt. Ltd

Address: Plot no. 56-57, Old GIDC, Gundlav, Valsad(Gujarat) Time: 2:00 pm to 05:00 PM

Faculty Coordinators: Mr. Ashish D Patel

Mr. Divyesh R Patel

Visitors: Students of 3rd Semester Mechanical Department.

Introduction of Casting:

Casting is a manufacturing process in which a liquid material is usually poured into a mold, which contains a hollow cavity of the desired

shape, and then allowed to solidify. The solidified part is also known as a casting, which is ejected or broken out of the mold to complete the process. Casting materials are usually metals or various time setting materials that cure after mixing two or more components together; examples are epoxy, concrete, plaster and clay. Casting is most often used for making complex shapes that would be otherwise difficult or uneconomical to make by other methods. Heavy

equipment like machine tool beds, ships' propellers, etc. can be cast easily in the required size, rather than fabricating by joining several small pieces.





INDUSTRIAL VISIT

The Mechanical Engineering Department Government, Polytechnic Valsad had organized an industrial visit for students of 2ND Year 3rd Semester mechanical students, on the 7th December 2021. The visit was to New Feb Engineers, situated near to new G.I.D.C. Gundlav. The visit started at 11:00 am of working day. Within the industrial premises Mr. Vinod Patel was with us and guide all the students during the visit with their supervisor and briefed up with the introduction about the Fabrication Process.

The plant visit to New Feb Engineers was an enriching experience for students in getting knowledge of different welding, cutting process which can help them in their study and further career enhancements.

Details of Visit:

Date: 7th December 2021.

Place: New Feb Engineers

Address: C-1, 530, New GIDC, Gundlav, Valsad(Gujarat) Time: 10:30 AM to 01:00 PM

Faculty Coordinators: Mr. Ashish D Patel

Mr. Divyesh R Patel

Visitors: Students of 3rd Semester Mechanical Department.

Company Profile:

Manufacturer and supplier of Chemicals plant equipment and plant fabrication and erection

Business Type : **Manufacturer / Supplier**
Year Established : **1999**
No. Of Employees : **25**
Annual Turnover : **Rs 1.75 CR.**

New fab Engineers was established in 2001 by Mr. D. P. Patel (D. E. Mechanical (1992) & having more than 10 years of experience in process plant equipments and heavy fabrication industry.

Technically skilled personnel backed by an efficient administrative staff. He has participated in many National Events, Exhibitions and Conferences related to plant & machineries. The proprietor states his future goals to optimize and to increase production capabilities by implementing best management practices and further expansion of facilities .



Plasma Cutting Machine



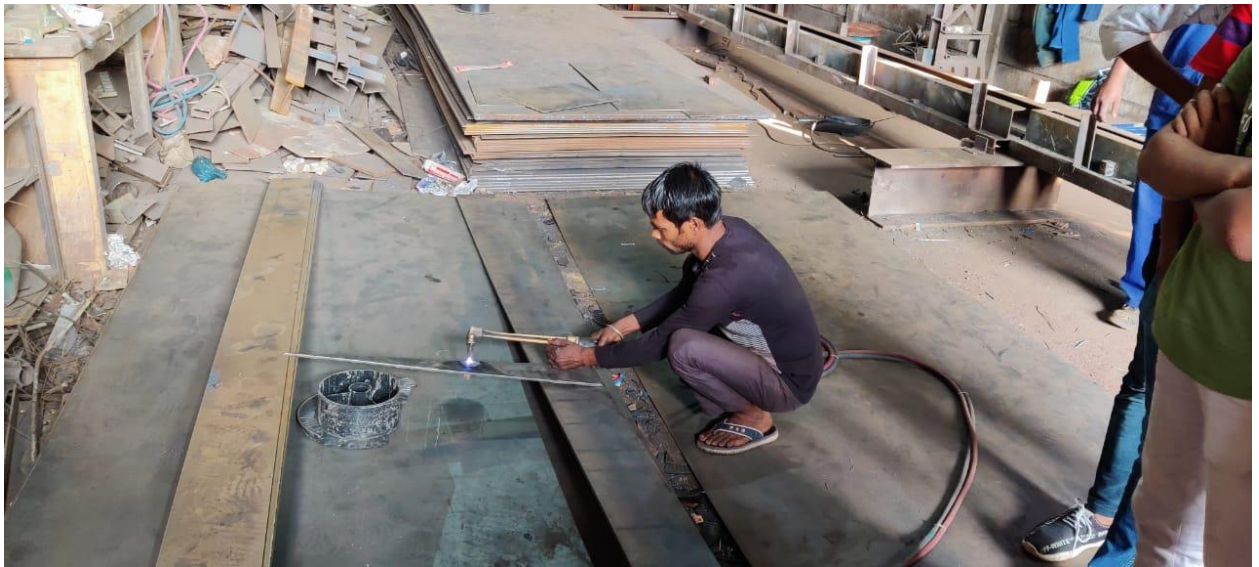
Arc Welding



Gas Welding



MIG



Mechanical Department

G.P.Valsad