



MECHANICAL ENGINEERING DEPARTMENT

A Report on one day Industrial Visit to “Batliboi, Surat”

ABOUT FACTORY

Batliboi is a leading engineering company in the business of Machine Tools, Air Engineering, Textile Machinery, Environmental Engineering, Wind Energy, Motors, International Marketing and Logistics. Batliboi’s manufacturing facilities are located at Surat and Thane in India and Peterborough in Canada. It has two subsidiaries: Quickmill Inc.

Batliboi Machine Tool Group’s manufacturing facilities are situated at Surat in India and Peterborough in Canada.

The Surat facility is situated on 180,000 sq. mtrs of land. It has a well equipped design and manufacturing facility of 30,000 sq.mtrs. The products manufactured are: Conventional and CNC Drilling Machines, Conventional and CNC Milling Machines, CNC Vertical Machining Centres, CNC Turning Centres and CNC Turret Lathes.

The Canadian subsidiary, Quickmill Inc. produces Gantry Drilling and Milling machines.

The Machine Tool Group also sources leading global brands of machine Tools in the Indian market. This covers both metal cutting and metal forming machines.

The business is supported by over 60 trained engineers and technicians for both sales and service through a network of 15 offices.

OBJECTIVES OF THE VISIT

The objective of the visit is to make the students aware of various machines used for manufacturing of different types of textile machine parts and CNC machine parts and assembly and the entire process of manufacturing and to keep them updated with the latest technology in the field of Computer Aided Manufacturing such as HMC, VMC machines etc.

INDUSTRY DETAIL

- 1. Name Of Industry:-** Batliboi
- 2. Address :-** (Machine Tools, Air Engineering), Surat Navsari Road, Udhna – 394 220
Surat, Gujarat, India
- 3. Date Of Visit:-** 07/03/2025
- 4. Year / Semester:-** 3rd Year/6th Semester



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5. No. of Students:- 25

6. No. of Faculties:- 2

ACTIVITIES AND OUTCOME OF THE VISIT

VISIT INSIGHT

With the use of sophisticated machinery, Batliboi is able to provide a range that is efficiently catering to the demands of their clients. Batliboi undertake different processes for the production and assembly of their range of products. All these processes such as Casting, Machining, assembly of CNC machines etc. are an integral part of manufacturing and are undertaken by experienced workforce.

Following businesses, Batliboi are in:

1. Machine tools such as CNC turning centers, Machining centers, vertical turret lathe
2. Metal cutting, metal forming and industrial equipments
3. Textile and food industries
4. Spinning , knitting, processing and Erp solutions

Subsidiary and group companies: Batliboi Renewable Energy solutions, Spartan
Electricals

APPRECIATION

The students got the opportunity to learn about different products and process which they come across in the subject **Computer Aided Manufacturing**. In addition, proper guidance was given by with **Mr. Hardik Shah (Divisional Manager, Personnel & IR) and Mr. Pratik Gajjar**, at every corner of their plant. We S.N.P.I.T. & R.C. Mechanical Engineering department team are really thankful to the Batliboi and their team.

Report prepared by,

Prof. Mehul M. Jikar

(Mechanical Engg. Dept.)



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PARTICIPANT DETAILS: ANNEXURE – I

SNPIT&RC, UMRKHX
 MECHANICAL ENGINEERING DEPARTMENT
 INDUSTRIAL VISIT at BATLIBOI-SURAT, STUDENT LIST SEM 6

Sr. NO.	PEN	Name	Signature
1	220490119001	NIGAMVISWARANJAN ASHOK BEHERA	[Signature]
2	220490119002	RAHULBHAI ANANDBHAI BORSE	[Signature]
3	220490119003	NIKHILBHAI ASHOKBHAI CHAUDHARI	[Signature]
4	220490119004	PRANAVBHAI HITESHBHAI CHAUDHARI	[Signature]
5	220490119005	VATSALKUMAR VIKRAMSINH GAMIT	[Signature]
6	220490119007	NAUMITKUMAR SHIVPRAKASH OJHA	[Signature]
7	220490119009	SAGARKUMAR MAHESHBHAI PRAJAPATI	[Signature]
8	220490119011	MOHAMMADUZAIR JAVED SANDHI	[Signature]
9	220490119012	RAKESHBHAI SHIVABHAI TUMBADA	[Signature]
10	220490119013	JAYKUMAR VIJAYBHAI VARLI	[Signature]
11	220490119014	NITESHKUMAR GAMBHIRBHAI VASAVA	[Signature]
12	230493119006	AVINASHKUMAR VIJAYBHAI CHAUDHARI	[Signature]
13	230493119012	CHAUDHARI RAHULBHAI ASHOKBHAI	[Signature]
14	230493119015	SHIVAM GIRISHBHAI CHAUDHARI	[Signature]
15	230493119017	CHAUHAN HET SHAILESHSINH	[Signature]
16	230493119020	GAMIT SANDIP RAJESHBHAI	[Signature]
17	230493119022	GANVIT DAIK JERAMBHAI	[Signature]
18	230493119023	GHATKA YOGESHBHAI SOMLABHAI	[Signature]
19	230493119030	NAIK MAYANKBHAI DINESHBHAI	[Signature]
20	230493119031	NAYAKA NEEL PRAVINBHAI	[Signature]
21	230493119032	PANCHAL VISHNU BHARATBHAI	[Signature]
22	230493119034	PANDIT ANKITBHAI MANOJBHAI	[Signature]
23	230493119038	PATEL ANKITBHAI SURESHBHAI	[Signature]
24	230493119049	AKSHAR PRAVINBHAI RATHOD	[Signature]
25	230493119054	SMIT PRAVINBHAI SURTI	[Signature]
26	230493119057	HITESHBHAI KARANSINGBHAI VASAVA	[Signature]
27	230493119058	VASAVA LALSINGBHAI DINESHBHAI	[Signature]
28	210490119002	VICKYBHAI DILPESHBHAI VASAVA	[Signature]
29	210490119028	CHAUDHARI PIYUSHKUMAR MAHESHBHAI	[Signature]
30	210490119037	GAMIT MUKUNDBHAI NARSINHBHAI	[Signature]
31	210490119040	GAMIT KALPESHBHAI RAJESHBHAI	[Signature]
32	210490119044	MISTRY MIHIR DIPAKBHAI	[Signature]

Accompanying Faculties:

Name	Signature
Dr. Shakil A. Kagzi	[Signature]
Prof. Milan R. Patel	[Signature]

LIBOI LIM 202



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VISIT SCHEDULE ANNEXURE II

<i>SCHEDULE OF VISIT</i>		
Date & Time	7th March 2025 & 10:30 AM	
Venue	From: SNPIT & RC, Umrakh,Bardoli	To: Batliboi ,(Machine Tools, Air Engineering), Surat Navsari Road, Udhna – 394 220Surat, Gujarat, India
Staff Accompanied	<u>Prof. Milan R. Patel</u> Assistant Professor	<u>Dr. Shakil A. Kagzi</u> Assistant Professor
Visit Module	Working Factory’s Machinery and processes	
No. of Benefited Students	25	



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PHOTOGRAPHS ANNEXURE III

VISIT PHOTOS



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SITARAMBHAI NARANJI PATEL INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, UMRACKH

A Vidyabharti Trust Institution
Vidyabharti Campus, At. Ta. Bardoli, Dist. Surat-394345
Ph.02622-224581, 220581 Fax : 02622-227481,225458
Email : admin@snpitrc.ac.in,
vbtdegree_umrakh@yahoo.co.in Visit us on :
www.snpitrc.ac.in

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