

Report on industrial visit

Date:-09th July, 2018

With the approval of our college and **Maxim Tubes Company Pvt. Ltd.** industrial visit of the students was arranged on 07th July, 2018. The students and faculty members were reached at 10:30AM. The detail of student and Faculty members involved in industrial visit is following

Sr.No.	Industry Name and place	Date	No of days	Number of students	Semester	Branch	Name of faculty
1.	Maxim Tubes Company Pvt. Ltd.	07 th July, 2018	1	32	3 rd	Mechanical	(1)Prof.Keyur Modi (2)Prof.Harshit Bhatt

In this industrial visit students visited the **Maxim Tubes Company Pvt. Ltd.**, Which is Tube manufacturing company. This company is manufacturing Stain less Steel tubes and this company was Gujarat's leader Export Company in 2014 in Medium Unit. The students got a lot of practical knowledge of concept which are studied in classroom about various machining processes. Some photos of visit are



Overall with this industrial visit our students learned a lot. This experience will be very helpful for the bright future of our students. We disperse about after 1:15PM for Lunch and home .We are thankful to our College & Department for arranging this industrial visit.

Thanks

Prof..Keyur Modi

Prof.Harshit Bhatt

INDUSTRIAL VISIT REPORT – Adani Mundra Port

Date: 26th July 2019

Organized by: Saffrony Institute of Technology, Mechanical Engineering Department

Location: Adani Mundra Port and Allied Facilities

Participants: 3rd and 5th Semester Mechanical and Automobile Engineering Students

Objective:

The industrial visit aimed to provide students with practical insights into Mechanical Systems, Adani Mundra Port operations, and the practical aspects of a Thermal Power Plant.

Day 1: 23rd July 2019 - Adani Mundra Port Visit

The first day commenced with a comprehensive exploration of Adani Mundra Port, the largest port in India in terms of business, with a remarkable capacity of 2450 MMTA. Students gained exposure to the intricate Mechanical Systems employed in ship consignment loading and unloading at Adani Ports. A visit to Adani Wilmer Ltd highlighted the oil refining unit, manufacturing products like Adani sunflower oil, Adani Kachhi Ghani oil, and Adani Fortune soybean oil.

Day 2: 24th July 2019 - Thermal Power Plant Practical Aspects

The second day focused on the practical aspects of the Thermal Power Plant, equipped with a 4620 MW capacity and super-critical pressurized boilers. The plant relies on coal imports from mines in Australia and Indonesia. Students witnessed firsthand the functioning of the power plant, gaining valuable insights into real-world applications of Mechanical Engineering principles.

Learning Outcomes:

1. Practical Exposure: Students gained hands-on experience in observing and understanding the Mechanical Systems at Adani Mundra Port and the Thermal Power Plant.
2. Industry Insight: Exposure to the operations of Adani Wilmer Ltd broadened students' understanding of oil refining processes and diversified product lines.
3. Real-world Application: The visit facilitated the application of theoretical knowledge to real-world scenarios, enhancing the students' comprehension of Mechanical Engineering concepts.

Acknowledgments:

We extend our sincere gratitude to the Saffrony Institute of Technology and the Mechanical Engineering Department for organizing this insightful industrial visit. Special thanks to Prof. Keyur Modi and Prof. Parth Panchal for their coordination and efforts in ensuring the success of the visit.

Conclusion:

The industrial visit to Adani Mundra Port and its allied facilities proved to be an enriching experience for our students, contributing significantly to their academic and professional development. We anticipate that such practical exposure will have a lasting impact on their future endeavors.

Photographs:



Report on industrial visit

20th December, 2019

S.P.B. PATEL Engineering college Mechanical and Automobile Engineering Department

organized an **Industrial**  **Visit** to **'Windsor Machines Pvt. Ltd., Chattral'** for the students of 4th and 6th Semester on **20th December, 2019**. The visit was specially organized for topics

like **Manufacturing**,  **Production, Plant maintenance and Safety**  .

Windsor Machines Limited is one of the select few companies in India, which serves and supports the varied needs of plastic processing industry across 65 countries (an impressive installation base of over 20000 machines) with cutting edge product design and latest technology, wherein, this company engaged in manufacturing Injection Moulding, Pipe Extrusion and Blown Films machineries, all under one roof. Their continuous association with Kuhne GmbH (Germany), T.H.E Machines (Switzerland), and Protocol (Switzerland), and with the recent acquisition of Italtech (Italy), has enabled them to build technological excellence and rise rapidly against the competition. As a top corporate player, Windsor Machines has always advanced with the mission of creating happy customers around the globe. greatest assets as they understand the value of delivering the best performances to create trailblazing solutions for our customers. The Company fosters a highly productive work environment that enables new ideas, optimizes the existing and upgrades past ones.

Students have got a lot of knowledge about the real world of mechanical. They understood various rules regarding safety and plant maintenance such as the importance of yellow line in plant layout. Also as a part of manufacturing engineering, Students knew about injection moulding machines and their types, extruding process, and various equipment. In addition, students got aware of material handling and quality control of the plant.

Prof. Parth Panchal, Prof. Sachin Patel and Prof. Parth Tapodhan has accompanied the students for the visit.



Overall with this industrial visit our students learned a lot. This experience will be very helpful for the bright future of our students. We are thankful to our College & Department for arranging this industrial visit.

Thanks
Prof..Sachin Patel
Prof.Parth Panchal

Report on Industrial visit

Date:-14th Feb, 2020

Saffrony Institute of Technology had organized an Industrial Visit to Ammann Apollo India Pvt Ltd. on 14th February, 2020 for 4th and 6th Semester Mechanical Engineering Department students. The students and faculty members were reached at 01:00 PM. The detail of student and Faculty members involved in industrial visit is following

Sr. No.	Industry Name and place	Date	No of days	Number of students	Sem.	Branch	Name of faculty
1	Ammann Apollo India Pvt Ltd, Jagudan	14 th Feb, 2020	1	40	4 th & 6 th	Mech	(1) Prof. Nikunj Patel (2) Prof. Ajay Kumbhar

Ammann Apollo India Pvt Ltd. is road equipment manufacturing; Switzerland based company at Jagudan, Mehsana. In this industrial visit students visited the Ammann Apollo India Pvt Ltd, Students learned many things of manufacturing process like MIG welding, automatic welding, drilling, finishing process, plasma & laser cutting, rolling, bending, sandblasting, and paint shop. They also learned about inventory control, material handling, material storage system and a lot more. The students got a lot of practical knowledge of concept which are studied in classroom about various machining processes. Some photos of visit are



The industrial visit was helpful in providing the insight of the working of various units in a production plant which will remain useful to the students for their future industrial interactions. We disperse about after 3:30 PM. We are thankful to our College & Department for arranging this industrial visit.

Thanking You....

Mr. Nikunj M Patel
Industrial visit coordinator,
Lecturer in Mechanical Department
S.P.B. Patel Engineering College

Report on Industrial visit

Date:-07th March, 2020

With the approval of our college and **Maxim Tubes Company Pvt. Ltd.** industrial visit of the students was arranged on 07th March, 2020. The students and faculty members were reached at 09:30 AM. The detail of student and Faculty members involved in industrial visit is following

Sr. No.	Industry Name and place	Date	No of days	Number of students	Sem.	Branch	Name of faculty
1	Maxim Tubes Company Pvt. Ltd, Chhatral	07 th March, 2020	1	32	4 th & 6 th	Mech & Auto	(1) Prof. Nikunj Patel (2) Prof. Sachin Patel

In this industrial visit students visited the Maxim Tubes Company Pvt. Ltd., Which is Tube manufacturing company. This company is manufacturing Stainless Steel tubes and this company was Gujarat's leader Export Company in 2014 in Medium Unit. The students got a lot of practical knowledge of concept which are studied in classroom about various machining processes. Some photos of visit are



Overall with this industrial visit our students learned a lot. This experience will be very helpful for the bright future of our students. We disperse about after 1:15 PM for Lunch and home .We are thankful to our College & Department for arranging this industrial visit.

Thanking You....

Warm Regards

Mr. Nikunj M Patel
Industrial visit coordinator,
Lecturer in Mechanical Department
S.P.B. Patel Engineering College

Report on industrial visit



Date:-20th September, 2022

Company Name :-MAXIM TUBES COMPANY PVT. LTD.

Company Adress :-Survey No. 105/106, Nr. 66 KV Sub Station, Pansar Road - 382729
Ahmedabad - Mehsana Highway, Chhatral, Gandhinagar, Gujarat.

With the approval of S.P.B.PATEL ENGINEERING COLLEGE and Industrial visit IN Maxim Tube Company Pvt. Ltd. for the students was arranged on 30 July 2022. The students and faculty members went to the company by college bus from the college at 10:00AM. The detail of student and Faculty members involved in industrial visit is following

Sr.No.	Industry Name and place	Date	No of days	Number of students	Semester	Branch	Name of faculty
1.	Maxim Tube Company Pvt. Ltd.	30 July 2022	1	40	5 th	Mechanical	Prof. Mayank Patel Prof. Kalpesh Patel

Maxim Tube is a pipes manufacturing company, Which is deal with production of Stainless steel Seamless & Welded pipe, Tubes & U-Tube in Austenitic, Ferritic & Duplex stainless steel pipes. The students got a lot of practical knowledge of concepts which are studied in the classroom like Tube mill Machine, Pilger Machine, Draw Batch Machine, Straightening Machine, U Bend Machine, Heat Treatment, etc. Some photos of the visit are shown below.

PRODUCTS

1. HYDRAULIC, MECHANICAL & INSTRUMENTATION TUBING
2. STAINLESS STEEL SEAMLESS PIPES
3. STAINLESS STEEL WELDED PIPES, TUBES & U TUBES

PHOTO





Overall with this industrial visit our students learned a lot. This experience will be very helpful for the bright future of our students. We return to college at 1:00PM. We are thankful to our College & Mechanical department for arranging this industrial visit.

Thanks
Prof. Mayank Patel
Prof. Kalpesh Patel

Report on industrial visit

Date:-15th October, 2022

With the approval of our college and **Nk Proteins pvt.ltd.** Industrial visit of the students was arranged on 15th October, 2022. The students and faculty members went to the company by college bus from the college at 10:00AM. The detail of student and Faculty members involved in industrial visit is following

Sr.No.	Industry Name and place	Date	No of days	Number of students	Semester	Branch	Name of faculty
1.	Nk Proteins pvt.ltd.	15 th October, 2022	1	28	3 rd & 5 th	Mechanical	Prof. Mayank Patel Prof. Kalpesh Patel

Nk Proteins is an edible oil manufacturing company, Which is deal with refining of raw oil, filling and packaging of purified oil, and also deals with production of plastic bottles and steel boxes of oil. The students got a lot of practical knowledge of concepts which are studied in the classroom about various Blow Moulding processes, Material Handling Equipments like Conveyor Belt, Cam and Follower, Seam Welding Process etc. Some photos of the visit are shown below.



Overall with this industrial visit our students learned a lot. This experience will be very helpful for the bright future of our students. We return to college at 2:00PM. We are thankful to our College & Mechanical department for arranging this industrial visit.

Thanks

Prof. Mayank Patel

Prof. Kalpesh Patel

INDUSTRIAL VISIT AT SAMRAT THRESHER PVT. LTD., UNJHA

March 3, 2022

S.P.B. PATEL Engineering College Mechanical Department

S.P.B. PATEL Engineering College, organized an Industrial Visit at Samrat Thresher Pvt. Ltd., Unjha, specifically for the 6th-semester Mechanical Students on March 3, 2022. The visit was tailored to focus on CNC Fabrication and Production topics.

Company Overview:

Samrat Thresher Pvt. Ltd. stands as one of India's leading manufacturers of Agriculture Implements, commencing its journey in 2006 with 35 years of experience in the field. The company caters to farmers' demands for Threshing machines and employs the latest machinery, including CNC Laser Cutting, CNC Punching, and CNC Bending, to ensure unmatched quality and reliability. The professionally trained staff and a commitment to cost-effective and maintenance-free machines have propelled them to a leadership position in the Indian Agriculture Implement manufacturing sector.

Visit Highlights:

- Learning Objectives: The visit was strategically organized to provide students with insights into CNC Fabrication and Production processes. The aim was to enhance their understanding of modern manufacturing techniques.
- Machinery Insights: Students gained valuable information about the machinery used at Samrat Thresher Pvt. Ltd. The visit included practical demonstrations on operating CNC machines, illustrating their role in mass production.
- Manufacturing Engineering Concepts: As part of the Manufacturing Engineering curriculum, students learned about welding processes, assembly procedures, sheet metal working, material handling, and the quality control system implemented in the plant.

Outcome:

The industrial visit proved to be highly informative, allowing students to apply theoretical knowledge gained in the classroom to real-world manufacturing scenarios. The exposure to CNC fabrication and production processes enriched their understanding of modern manufacturing practices.

Conclusion:

S.P.B. PATEL Engineering College acknowledges the success of the Industrial Visit at Samrat Thresher Pvt. Ltd., Unjha. Such initiatives play a crucial role in bridging the gap between theory and practical application, providing students with a holistic and industry-relevant education.

Photographs:









S.P.B.PATEL ENGINEERING COLLEGE, LINCH (MEHSANA)



Adani (Mundra) Port Visit Report

30th – 31st March 2023

MUNDRA PORT, KUTCH, GUJARAT

Industry Profile:

Company Name: Mundra Port & Special Economic Zone Ltd.

Address: Adani House, Nr. Mithakhali Circle Navrangpura, Ahmedabad,
Gujarat. PIN Code: 380009.

Phone: Tel +91 79 2656 5555

Fax +91 79 2656 550

Homepage: www.info@adani.com

Work profile: Natural gateway for the cargo hubs functioning in the Northern and Western states of India as well as the NCR.

About Mundra Port

Mundra Port is the largest private port of India located on the north shores of the Gulf of Kutch near Mundra, Kutch district, Gujarat. Formerly it was operated by Mundra Port and Special Economic Zone Limited (MPSEZ) owned by Adani Group which later it was expanded into Adani Ports & SEZ Limited (APSEZ) managing several ports.

In 2013-2014, Mundra Port has handled 100 million tons of cargo in a year becoming the first Indian port to do so. It also became India's biggest port by cargo handled.

About Visit

The Technical visit to Adani Mundra port started on 30th March at 1:30 am from S.P.B.PATEL Engg. College. There were two buses containing total of 72 students (4TH & 6TH Civil,Mech,Auto) and 4 faculties (Prof. Kalpesh Patel , Prof. Visat Patel , Prof. Dashrath Prajapati , Mrs. Dimpalben Patel).

The private buses were boarded up to Ahmedabad (Adalaj Trimandir). The buses reached Ahmedabad around 3:30 am then from there the buses from Adani were taken up to Mundra port.

The buses reached Adani Shanti Vihar around 12:30 pm. The students were allocated specific rooms and then lunch was provided later.



After lunch there was a visit to Adani Wilmar and Adani Port.

Adani Mundra Port

The multi-purpose terminals contain nine berths of a total 1.8 thousand meters long with alongside depths ranging from 9 to 16.5 meters. Berth 1 is 275 meters long with alongside depth of 15.5 meters and can accommodate vessels to 75 thousand DWT. Berth 2 is 180 meters long with alongside depth of 13 meters and can accommodate vessels to 30 thousand DWT. Accommodating vessels to 60 thousand DWT, Berths 3 and 4 are each 225 meters long; Berth 3 has alongside depth of 14 meters, and Berth 4 has alongside depth of 12 meters. Berths 5 and 6 are each 250 meters long with alongside depth of 14 meters, and both can accommodate vessels to 150 thousand DWT. Berths 7 and 8 are each 175 meters long with alongside depth of 12 meters and can accommodate vessels to 40 thousand DWT. The Barge Berth is 80 meters long with alongside depth of 6 meters and capacity for vessels of 2500 DWT.





The Mundra Port offers 21 closed dockside warehouses with capacity for 137 thousand square meters to store wheat, sugar, rice, fertilizer and fertilizer raw materials, and deoiled cakes. The port offers 880 thousand square meters of open storage for steel sheets, coils, plate, clinker, scrap, salt, coke, bentonite, and coal. An additional 26 thousand square meters of open storage is available alongside the railway. The port also offers a wheat-cleaning facility with capacity to handle 1200 metric tons per day and a rice-sorting and -grading facility that can handle 500 metric tons per day.

The Port of Mundra is planning several additions and improvements. Two thermal power plants are under construction that will produce over 8600 megawatts. A new terminal site is proposed to be located about ten nautical miles west of the current terminals at the Port of Mundra. The terminal will eventually contain three deep-water offshore berths and two sets of stackyards for coal, iron ore, and other dry bulk cargo.



The marine infrastructure at Mundra Port consists of ten (10) berths for handling dry bulk & break bulk cargo, three (3) berths for handling liquid cargo, six (6) container berths including a Ro-Ro berth, three (3) mechanised import cargo berths and 2 single point moorings for crude oil imports. The mechanised import cargo berths can handle vessels with maximum draft of 19 meters and other berths can handle vessels with maximum draft of 17 meters. The SPM facility offers a draft of 32 meters.

Heaps of coal was alongside the road. There was PORT based SEZ which was spread in 15000 hectares. There were open stock yard for MINERALS & Closed Stock yards for FERTILIZERS & GRAINS etc. Jetty was divided as DRY CARGO, CONVEYOR BELT for COAL & PIPELINE for Liquid crude i.e. VLCC(Very Large Cargo Container) & ULCC(Ultra Large Cargo Container)

Adani Wilmar Limited

Adani Wilmar Limited (AWL) is a joint venture incorporated in January 1999 between Adani Group, the leaders in International trading & Private Infrastructure with businesses in key industry verticals - resources, logistics and energy. The group was created with a vision of 'Nation Building' by developing assets of national economic significance. Wilmar International Limited - Singapore, Asia's leading Agri-business group & its business activities include oil palm cultivation, oilseed crushing, edible oil refining, sugar milling and refining, *specialty* fat, biodiesel and fertilizer manufacturing and grain processing. It has over 450 manufacturing plants and an extensive distribution network covering China, India, Indonesia and some 50 other countries.



In the refining process, the first step was BLEACHING. Under bleaching, the major impurities were removed from the oil which deteriorated the color of the oil.

The bleached oil was then FILTERED and the heavy impurities were taken out from it. Finally, the strong smell of crude was to be eliminated to get the final product. Thus the DEODERIZATION of oil was done. This process removed all the impurities which were deteriorating the odor of oil.

At 250-270 degrees Celsius, the oil was made to pass high vacuum pressure which refined it completely. Fatty acids, which were removed while deodorizing, were sent to the soap industry.

Other impurities which were extracted from the crude while bleaching and filtration were sent to incense stick making industries. And thus, no part of the crude was wasted at any of the step in the refining process.

After knowing refining, students were taken to the packaging section of the oil industry. Uniform conveyer belt system that connected the whole packaging process into one. The oil bottles were filled and entered into the station where first they were shut with bottle caps. And then they were further passed to put on the Label. Afterwards, a packaging machine packed 36 bottles each at the same time into three different boxes i.e. 12 bottles in one box. Finally the boxes were sealed with tape and were further sent for storage or export.



The whole process was fully automatic and was working on PLCs. The PLCs made the work so easy that not a single human was involved in this process at any instance of time. ADANI WILMAR packaging unit has 6 cold storage units in which the temperature is slowly decreased upto -5 degree Celsius. The fully- equipped Adani Wilmar can produce 6000-7000 liters of oil/hour in the industry.



Despite of rain the visit was much appreciated. The students have also viewed the Jetty and various ships from the bus. The students have also visited Shantinath Mahadev Temple during evening prayer followed by dinner and were engaged in fun games in the campus later.

Next day 31st March morning was started by yoga followed by laughing session.



After yoga session and laughing session everyone had breakfast. The students have check out their rooms for visiting West port and Adani power plant.

Adani Power Plant

The Mundra Thermal Power Project was conceived to provide power for the captive consumption of APSEZ in Mundra. Thereafter the vision and the capabilities of the promoters has made Mundra Power project the largest single location Coal based Thermal Power Station in India and one of the top five in the World. All the nine units of Mundra power plant have been commissioned one after another in shortest possible time of 33 months.

Capacity - 4620 MW (5 X 660 MW + 4 X 330 MW)

Largest single location private coal based power plant in the world. Adani Power created history by synchronizing the first super-critical technology based 660MW generating unit at Mundra.

This is not only the first super-critical generating unit in the country but also

the fastest project implementation ever by any power developer in the country with synchronization within 36 months from the inception.



The Phase III of the Mundra Project, which is based on supercritical technology, has received 'Clean Development Mechanism (CDM) Project' certification from United Nations Framework Convention on Climate Change (UNFCCC).

This is the world's first thermal project based on supercritical technology to get registered as CDM Project under UNFCCC.



The power plant supplied 4620 Mega Watts of energy. Out of these 2000 is supplied to HARYANA, 2000 to GUJARAT government, & 620 is internally used. It uses HVDC (High Voltage DC) for transmission to HARYANA as it is a long distance transmission it is to be converted into DC first & then it is again recovered. Live status of frequency and power generated was available in the control room.



The visit was ended after lunch and feedback to the officials. The buses have started from Mundra around 1 pm and reached Ahmedabad at 10 pm.



The visit was truly professional and well managed till the end. The staff and students were thankful to the Adani foundation and S.P.B Patel Engg. College management for granting the permission for the visit.

Faculty coordinator
Prof. Kalpesh Patel
Lecturer in Mechanical Dept.
S.P.B.PATEL ENGG. COLLEGE,LINCH

S.P.B.PATEL ENGINEERING COLLEGE

REPORT ON INDUSTRIAL VISIT TO “J K LAXMI CEMENT GRINDING PLANT” FOR 2021/2022 BATCH CIVIL BRANCH

May 20, 2023

Objective:

The main objective of the visit was to get information about cement production and how the raw materials are homogeneously mixed in a controlled manner to get the proper quality of cement.

To provide knowledge beyond the syllabus in the subject of concrete technology.

Summary:

S.P.B. Patel Engineering College has scheduled an industrial visit to the Kalol-based J. K. Lakshmi Cement Plant for May 20, 2023. On this visit, students gained all the necessary field knowledge regarding the production of cement in factories. In this plant, clinkers have been supplied from the mother plant of J. K. Lakshmi Cement Sirohi (Rajasthan). Then limestone, gypsum, and fly ash, along with other additives, were added to the clinker in a controlled manner. Also, after preparing the cement, various tests have been conducted on it to check its quality. After that, cement bags were packed and distributed to the different agencies. From this plant, most of the cement has been supplied in bulk to the different RMC plants located nearby the J. K. Lakshmi cement plant.

Outcomes of Visit-

To get knowledge about the production of cement.

To get the details about the raw materials for cement.

To get the details about effects of change in proportion of raw materials (gypsum, lime),

Course Participant:

The Industrial Visit was organized for the students of the 4th and 6th Semesters of civil engineering. There were 17 students on the visit.

Subject In charge: Prof. Visat Patel

Visitor In charge (Industry): Naran Barad, Sr. Manager (P&A), JK Lakshmi Cement Limited

Location: J K Lakshmi Cement Limited, Village Moti Bhoyan, Taluka Kalol, Ahmedabad, Gujarat 382721

S.P.B.PATEL ENGINEERING COLLEGE COURSE

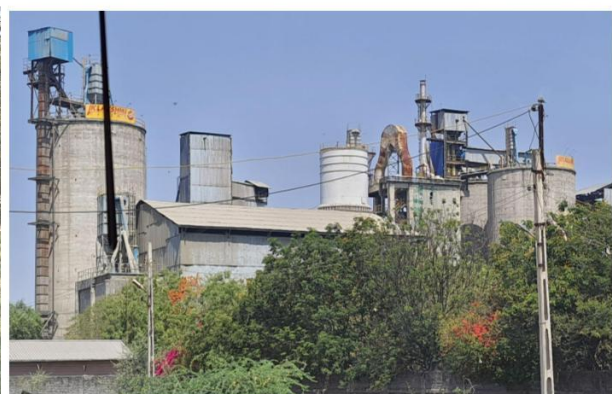
Sr. No.	Industry Name and place	Date	No of days	Number of students	Semester	Branch	Name of faculty
1.	S. P. B. Patel Engineering college	May 20 2023	1	17	4th and 6th	Civil	(1) Prof. Visat Patel

Thanks,

Prof. Visat Patel
CIVIL DEPT.

Copy to:

Events File
H.O.D. (CIVIL) for kind information
Principal for the kind information



Report on Workshop on “Total station Survey” for 2021 batch Civil Branch (Diploma)

May 18, 2023

With the approval of our college and authorities ONGC, Workshop on Total Station & Surveying” for 4th semester students of civil (Diploma) was arranged on May 18 2023. Expert of workshop was Mr. B. K. Panchal, ONGC, Ahmedabad. The details of student and Faculty members involved in workshop are as below,

Sr. No.	Industry Name and place	Date	No of days	Number of students	Semester	Branch	Name of faculty
1.	S. P. B. Patel Engg college	May 18, 2023	1	14 (DIP.)	4 th	Civil	(1) Prof. D. P. Kandoi (2) Prof. Visat Patel

In this workshop, the students gained sound practical skill along with concepts of total station which is highly demanded by surveying. Workshop includes practical assignment on topographic surveying and building construction layout demarcation... The students gained a lot of practical knowledge, concept and activities which are discussed and taught in classroom. This workshop intended to cover the syllabus of subject, Advanced Surveying.

Students were able to get following knowledge from this workshop

- ❖ Identify the parts of the Total Station.
- ❖ Set out the total station on a given station.
- ❖ Set out the station by setting up a back sight.
- ❖ Measure the horizontal, vertical and deflection Angle by total station.
- ❖ Store and download the data from a total station in computer and convert the same into Auto CAD file. Etc.
- ❖ Total Station survey:
 - Carry out the project for a small traverse with 4-5 stations on the ground.

Thanks,

Prof. Dharmendra Kandoi
CIVIL DEPT. (DIPLOMA)

Copy to:

- Events File
- H.O.D. (CIVIL) for kind information
- Principal for the kind information



Report on Industrial Visit

Date:-20th January, 2023

With the approval of our college and International Automobile Center of Excellence (iACE). Industrial visit of the students was arranged on 20th January, 2023. The students and faculty members went to the company by college bus from the college at 09:30 AM. The detail of student and Faculty members involved in industrial visit is following

Sr.No.	Industry Name and place	Date	No of days	Number of students	Semester	Branch	Name of faculty
1.	International Automobile Center of Excellence (IACE)	20 th January, 2023	1	49	3 rd & 5 th	Mechanical & Automobile	Prof. Mayank Patel Prof. Kalpesh Patel Prof. Brijesh Raj Prof. Vijaysinh Solanki

International Automobile Centre of Excellence (iACE), is an apex body for skill development in the automotive sector, utilizing modern technology & systems. The center caters to the entire value chain of the Automotive Industry encompassing both Manufacturing & Servicing. The students got a lot of practical knowledge of concepts which are studied in the classroom like various manufacturing machines such as CNC Machine, VMC Machine and its simulators, MIG Welding simulator and MIG Welding Robot, SPOT Welding Robot, Injection Moulding Machine, Automobile Paint Shop, Cut Sections of different cars, Electrical and Hybrid Vehicles and its Safety, different types of Steering Mechanisms, different types of Differentials and GearBox etc. Some photos of the visit are shown below.





Overall with this industrial visit our students learned a lot and some students also got experience of virtual welding in a welding simulator. This experience will be very helpful for the bright future of our students. We return to college at 4:15PM. We are thankful to our College & International Automobile Centre of Excellence (iACE) for arranging this industrial visit.

Thanks

Prof. Mayank Patel

Prof. Kalpesh Patel

Prof. [Brijesh Raj](#)

Prof. Vijaysinh Solanki

Report on industrial visit



Date:-29th September, 2023

Company Name :- SAINEST TUBES PVT. LTD.

Company Address :- Plot.NO. : 3329, Phase – IV, G.I.D.C.Chhatral – 382721, Dist.Gandhinagar (Gujarat),INDIA.

With the approval of S.P.B.PATEL ENGINEERING COLLEGE and Industrial visit in SAINEST TUBES Pvt. Ltd. for the students was arranged on 29 SEPT. 2023. The students and faculty members went to the company by college bus from the college at 10:00AM. The detail of student and Faculty members involved in industrial visit is following.

Sr.No.	Industry Name and place	Date	No of days	Number of students	Semester	Branch	Name of faculty
1.	SAINEST TUBES Pvt. Ltd.	29 SEPT. 2023	1	30	3 rd & 5 th	Mechanical	Prof. Kalpesh Patel

Sainest Tubes Pvt. Ltd. is leading manufacturer & exporter of carbon and alloy steel seamless tubes and pipes in straight and U-bend condition. Sainest Tubes Pvt Ltd was established in December 1988. It is located at Chhatral (Dist. Gandhinagar, Gujarat, India) 40 Kms away from Ahmedabad.

Incorporated in 1988, STPL is a customer-focused fast-growing steel company which manufactures a wide range of CARBON/ALLOY STEEL COLD DRAWN BRIGHT/SEMI BRIGHT ANNEALED SEAMLESS STRAIGHT & U-BEND TUBES & PIPES. We are ISO 9001, TS 16949, ISO 14001, OHASAS 18001 & AD PED certified, and have their complete focus on quality and total customer satisfaction. With an annual turnover of USD 15 Million (Approx) and a strong clientele base, They cater to seamless tubes/pipes needs of engineering, refineries, automotive, petrochemicals, structural, machine tools, fertilizers, sugar, and allied industries. Their manufacturing facility is equipped with advanced production equipment, industrial testing, and highly trained manpower that is capable of processing 12000 MT of seamless tubes & pipes per annum. Their products confirm to Indian & International standards and are manufactured with optimum process control and quality checks at every step from incoming raw material to dispatch of finished products.

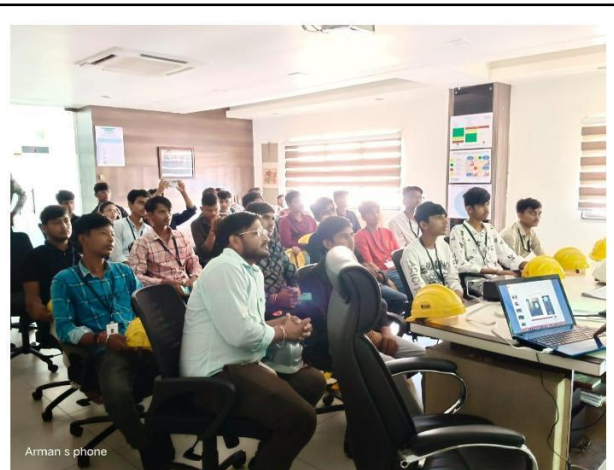
They export to various Gulf, African, and a few Asian Countries. Their exports have grown significantly and they have started exploring more markets worldwide for other products.

A highly qualified techno commercial managerial team that is in pursuance of excellence, and committed to maintain international quality standards, efficient delivery schedules, competitive pricing & total customer satisfaction, manages their company.

Products

1. Carbon Steel Cold Drawn Seamless Straight & 'U'-Bend Tubes & Pipes.
2. Alloy Steel Cold Drawn Seamless Straight & 'U'-Bend Tubes & Pipes.
3. Bright Annealed Automotive & Hydraulic Tubes.
4. Ready To Hone Hydraulic Cylinder Tubes.
5. Precision Mechanical Tubes
6. Fin Tubes.
7. Stainless Steel Cold Drawn Seamless Straight & 'U'-Bend Tubes & Pipes.

Photo





Overall with this industrial visit our students learned a lot about the tube drawing process as well as heat treatment process and also learned inspection & testing of the product. This experience will be very helpful for the bright future of our students. We return to college at 1:00PM. We are thankful to our College & Mechanical department for arranging this industrial visit.

Thanks,
Prof. Kalpesh Patel
