

INDUSTRIAL VISIT REPORT

Name of Industry :SMBT Sugar Factory, Amrutnager
Sangamner.

Date of Visit : 22/09/2022

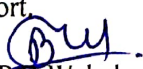
Faculty visited : Prof. P.B.Wakehaure, Prof. R.R.Vilhekar, Prof.M.B.Shirke,
Prof.K.D.Dagale

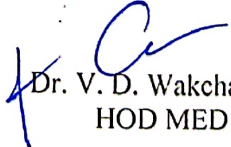
Class : S.E (A&B)Mechanical

Number of Visitors : 120 students & 4 Faculty members



About visit:One day industrial visit to SMBT Sugar Factory,Amrutnager,Sangamner, was organized by Mechanical Engineering Department, for the 2nd year Mechanical Engineering students. The aim of the visit was to enlighten the students about Power generation Processes related to Steam Power Plant, which is an important aspect of learning in their Course Curriculum. Plant In charge made special attempts for our students and demonstrated the operations of various units. Visit began with the water treatment plant. He also introduced students to the company profile and its present functioning as cogeneration along with Sugar Factory. Also students had got a chance to experience various Pressure Gauges, Flow meters used in the inspection of the Boiler as per industry standard. Visit concluded with memorable experiences of glimpses with specialized steam Turbine. We are thankful to the institute & company management for providing the all facilities and generous support.


Prof.P.B. Wakchaure
Faculty Coordinator


Dr. V. D. Wakchaure
HOD MED

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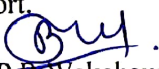
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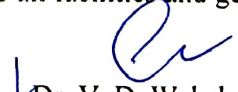
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Industrial Visit Completion Certificate

22/09/2022

To
The Principal,
Amrutvahini College of Engg.
Sangamner, Ahmednagar.

Sub: Industrial Visit

Sir,

We wish to inform you that total 120 number of students of SE class of Mechanical Engineering from your college have visited our plant on 22/09/2022 at 09:30 am on account of industrial visit.

The students were led by **Prof. P.B.Wakchaure** & 3 more faculty from your college.

We have shared all the required information to the students and they had a plant round after a brief interaction.

During the visit, all the students have shown great discipline and decency in their approach.

Thanking You.

Yours faithfully


P.B. Wakchaure

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

INDUSTRY VISIT REPORT

Correspondence through Email / Letter No: _____ Date: 20/09/2022
Response through Email / Letter No: _____ Date: 20/09/2022
Name of Faculty: 1. P.B. Wakchoure 2. R.B. Vilhkar Department: Mechanics-I
Visit for Class: S.E Branch: Mech Date: 22/09/2022
Name & Address of Industry Visited: Sahakar Maharshi Bhousaheb Thorat,
Sugar Factory, Sangamner.
Name of Industry Person: Amol Gawali
Designation: Engg.
Contact No: 9096777078

1. Introduction about the Company? (Brief about Type of company, Production, Departments, Policies etc)

Sugar Factory of Sangamner is located at Amruthnagar which is 5km from Sangamner city. It processes the sugarcane from farms of farmers to extract juice from it & process it to crystalline sugar with S, M & L grades. It utilises bagasse (waste of sugarcane after juice extraction) as a fuel in Boiler to produce steam for processing of juice & remaining steam generates electricity in co-generation power plant.

2. Journey Begins.....? (From AVCOE to INDUSTRY VISIT to AVCOE)

SMBT Sugar Factory is located near to college at a distance of 500mtr. Students reached the destination by their vehicles and some students reached it by walking. The campus of Sugar Factory contains various sections like administrative building, Main Plant, Boiler House, Turbine House, DM Plant, Condenser, Chimney, Processing Plant, Alcohol Plant, Stores, Molasses Processing Unit. Security Office. The main product of factory is Sugar & byproducts are co-generation of electricity, Alcohol, Organic Manure etc.

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

Name of

3. How was the Approach towards Practical Knowledge?

Huge Construction gives practical exposure of engineering skills & devices working should be understand practically by seeing them working.

4. What are benefits to students from Industrial Visit?

1. Academic ☒

2. Projects ☒

3. Research ☐

4. Consultancy ☐

5. Training ☐

5. Students Opinion about the Industrial Visit?

1. Satisfied ☒

2. Not Satisfied ☐

6. Whether Company is ready to help for College?

1. Industrial Visit ☒

2. Expert Lecture ☒

3. Training ☒

4. Employment ☐

5. Sponserhip Projects ☒

6. Workshop/Seminar ☐

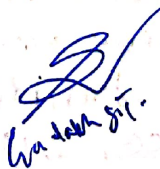
7. How could the visit be improved?

Demonstration of plant should be given with prototype model.

8. Things to follow up for the next industrial visit?

Timely following the schedule made.


Prof. P.B. Wakhare
(Name & Signature of Faculty)


(Name & Signature of Industrial Visit Coordinator)

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

INDUSTRY VISIT REPORT

Name of Student: Mote Shrovan Keshav Class: 3E 'B' Branch: Mechanical

Name of Industry Visited: SMBT Sugar Factory Date: 22/09/2022

1. Aims and objectives of the Visit?

- To understand the process
- To experience chemistry at work
- To become aware of the role of different people in an organization
- To become aware of career opportunities
- To recognize the need for health and safety in the workplace
- To focus on specific aspects of the studies

2. Brief about the Industry Profile? (Company Type, Product, Services, Plants & Locations, Management etc.)

SMBT Sugar Factory is located in Sangamner, Amrutnagar. This factory itself generates the electricity and runs the sugar factory. It has many section in it, under the section also there are subsections.

It's main aim is to produce the sugar. There are many processes like crushing the sugarcane, making the juice, purifying, adding chemicals, removing unwanted material etc.

The raw material is sugarcane to produce sugar.

3. Explore the Processes running in organization? (Manufacturing Processes, Layouts, etc)

Processes :-

Harvesting (from fields) → Washing and initial Preparation → Juice Extraction → Purification of Juice → Crystallization → Centrifugation → Drying and Packaging sugar.

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

4. Machines & Equipments, Tools Used?

For electricity generation machines used are:
DM plant → cooling tower → condenser → boiler
→ turbine → water tubes → furnace → chimney
→ Economiser → control panels → Electrostatic Precipitator.

For sugar generation →

Mill Tandem (crusher) → Cane knives →
Intermediate carriers → power plant → Juice
heater → clarifier → Drum filter → Evaporator
→ Centrifugal machines → Sugar Drying Equipments, etc.

5. What are the Finding during visit?

During the visit we found that as an
mechanical engineer we have to play very
big role in industry. Like for the setup
of machines, their arrangement, designing of
machines, layout of factory. We as a student
of Mechanical engineering should know the industry;
and working of it.

6. Conclusion and recommendations for the Visit?

We studied various systems used in factory
producing sugar and electricity. We also
came to know that how much important
is the engineer to setup any factory.
We clearly got how the plant works
from where the raw material comes and from
where the product goes.

Mote Shravani Keshav

Shruti

(Name & Signature of Student)

Amrutvahini College of Engineering, Sangamner
Department of Mechanical Engineering
List of students enrolled for Industrial Visit

Undertaking and List of Students Enrolled for Industrial Visit

We the undersigned students of Class SE Div B of Mechanical Engineering are here by giving the undertaking that we are going for one day industrial visit to SMBT Sugar Factory, Sangamner company on 22/09/2022 date. In case of any accident or any miss happing takes place during visit then we solely will be responsible for the same. We all will take care of ourselves & our friends/classmates. Staff member, faculty & college authorities will not be responsible for the same.

Sr. No.	Roll No.	Name of Student	Personal Contact Number	Parents Contact Number	Sign
1.	07	More Siddhi B.	8624976009	9405000244	<u>Smore</u>
2.	25	Sahane Nikita. B.	9921679101	9307207037	<u>Snb.</u>
3.	26	Salunke Akshada R.	9322291828	7620952664	<u>Salu</u>
4.	50	Ugale Gauri R.	9322947496	7263885277	<u>Gauri</u>
5.	45	Thorat Manjusha R.	9356056356	9552444084	<u>MThorat</u>
6.	58	Shaikh Rosemeen A	8788675797	9860442360	<u>Rosemeen</u>
7.	40	Surve gauri shivaji	9370602364	8605059515	<u>Gauri</u>
8.	38	Sonawane Parag Manuti	7058306232	9922196476	<u>Parag</u>
9.	32	Shinde Ganesh Rajendra	9856988923	9881928160	<u>Ganesh</u>
10.	21	Ranmale Omkar S.	9422693562	9422693562	<u>Omkar</u>
11.	18	Pawake Chaitanya	9529991694		<u>Chaitanya</u>
12.	36	Singh Saurabh	8378054829	9960902731	<u>Singh</u>
13.	33	Shinde Tanmay Vilas	9372010348	7709277641	<u>Tanmay</u>
14.	46	Thorat Om Sujit	8530072386	7709909042	<u>Om</u>
15.	41	Tamboli Alim Faruk	7528025401	7528025403	<u>Alim</u>

16.	23	Raw Poonam . S.	9561680323	8010031012	<u>Raw</u>
17.	17	pawase sakshi . B.	9307794026	9881986502	<u>Pawase</u>
18.	37	Sonawane Akshada . P.	9604941230	9021078794	<u>Puz</u>
19.	42	Tawale Nikita . S.	7499180306	8888866436	<u>Tawale</u>
20.	11	Mulinti Kalyani . D.	9218996855	9623593191	<u>Mulinti</u>
21.	08	Mote shrawan .	8856979251	8830320333	<u>Mote</u>
22.	04	Mohite projakta.	7517875573	9921260240	<u>Mohite</u>
23.	14	Pande kiran . A	8788722602	9822395501	<u>Pande</u>
24.	16	Pawar Vaishnavi . S	7058851917	9552821917	<u>Pawar</u>
25.	15	Pande Vinayak .	7499748616	9850358969	<u>Pande</u>
26.	11	Nikam Aditya Ravindra	9028313598	9922165118	<u>Aditya</u>
27.	48	Tribhuvan . Yash	8421942816	7020909647	<u>Yash</u>
28.	49	Tupe shyam Ashok	9922352662	9579152662	<u>Tupe</u>
29.	13	Pandagale Saurav Vinod	8485022521	9589962703	<u>Pandagale</u>
30.	44	Thombare Saideep B.	8080753565	9766105790	<u>Thombare</u>
31.	52	Vaspe Sachin A.	9373705308	9623679889	<u>Sachin</u>
32.	47	Thorat Sudarshan A.	7058517596	9929177569	<u>Thorat</u>
33.	30	shelke Rohit satishkumar	9307377493	7588403543	<u>Shelke</u>
34.	27	Satpute Prathamesh R.	9503715029	9730981898	<u>Satpute</u>
35.	31	shelke Sanket	8329840317	8177871427	<u>Sanket</u>
36.	24	Revadkar Pranav . S.	8856047038	8329500242	<u>Revadkar</u>
37.	54	wagh manthan S	8080318232	9145767178	<u>Wagh</u>
38.	05	mondhe phruv J.	8446035164	8087405164	<u>Mondhe</u>
39.	01	Maind Akshay B.	9370787012	8329067406	<u>Maind</u>

40.	02	Mandlik Suraj Santosh	8482922704	9850247607	Suraj
41.	51	Vgalmugale Pratik R.	7666691884	9373284119	P
42.	09	Mule Rushikesh Omnath	9579079005	8806099656	Pratik
43.	22	Raut Omkar Rajendra	7709680728	9604208034	Raut
44.	29	Shekade Shubham Navnath	8010274214	9621992657	Shubham
45.	57	Zadga Ganesh Annasaheb	7020267811	8208680860	Ganesh
46.	55	Waghchaure Prasad Balasaheb	9850157294	7040403400	Prasad
47.	56	Waghchaure Prasad Dattatray	9423467115	9284560567	Prasad
48.	57 19	Phatangare Vishal Sanjay	9673349218	9834077824	Vishal
49.	43	Tekade Vivek Appasaheb	9421584893	9011821693	Vivek
50.	35	Shring Aniket Uttam	9021814374	8830631088	Aniket
51.	34	Shirsath Mayur Sopan	7498270678	9322235469	Mayur
52.	20	Ranjale Abhishek Vilas	8262026260	9209473283	Abhishek
53.	03	Mohite Aditya Bhaskar	9689796713	9850589984	Aditya
54.	53	Wagh Darshan Sharad	7620133587	9521769234	Darshan

List of Faculty members:

Sr. No.	Name of Faculty members:	Contact No.
1.	P.B. Waghchaure	7350222255
2.	K.D. Dagale	
3.		

Total Strength of Student: 54

Total no. of Boys: 39

Total no. of Girls: 15


Faculty In charge
Subject Teacher


Class Teacher
Class SE Div B


IV Coordinator
TPC


HOD
MED

Industrial Visit at Sahakarmaharshi Bhausaheb Thorat Sugar Factory, Amrutnagar Sangamner

Date : 22/09/2022

Branch : **MECHANICAL ENGINEERING**
Section **B**

Year : **2SE**

Total Student in Section (B) is : **58**

Roll No	Name	Sign
1	MAIND AKSHAY BHIMRAJ	<i>Maind</i>
2	MANDLIK SURAJ SANTOSH	<i>Suraj</i>
3	MOHITE ADITYA BHASKAR	<i>Aditya</i>
4	MOHITE PRAJAKTA PRADIP	<i>Prajakta</i>
5	MONDHE DHURUV JITENDRA	<i>Dhruv</i>
6	MORE KUMODINI SHRINIVAS	<i>More</i>
7	MORE SIDDHI BHAUSAHEB	<i>Siddhi</i>
8	MOTE SHRAVANI KESHAV	<i>Shravani</i>
9	MULE RUSHIKESH SOMNATH	<i>Rushikesh</i>
10	MULINTI KALYANI	<i>Mulinti</i>
11	NIKAM ADITYA RAVINDRA	<i>Nikam</i>
12	PABALE CHAITANYA GANESH	<i>Pabale</i>
13	PANDANGALE SAURAV	<i>Pandangle</i>
14	PANDE KIRAN ASHOK	<i>Pande</i>
15	PANDE VINAYAK BHAUSAHEB	<i>Pande</i>
16	PAWAR VAISHNAVI SUBHASH	<i>Pawar</i>
17	PAWASE SAKSHI BHAUSAHEB	<i>Pawase</i>
18	PAWBAKE CHAITANYA ARUN	<i>Pawake</i>
19	PHATANGARE VISHAL	<i>Phatangare</i>
20	RANJALE ABHISHEK VILAS	<i>Ranjale</i>
21	RANMALE OMKAR SOPAN	<i>Ranmale</i>
22	RAUT OMKAR RAJENDRA	<i>Raut</i>
23	RAUT POONAM SOMNATH	<i>Raut</i>
24	REVADKAR PRANAV	<i>Revadkar</i>
25	SAHANE NIKITA BAPUSAHEB	<i>Sahane</i>
26	SALUNKE AKSHADA	<i>Salunke</i>
27	SATPUTE PRATHAMESH	<i>Satpute</i>
28	SATPUTE SWAPNIL SANTOSH	<i>Swapnil</i>
29	SHEKADE SHUBHAM	<i>Shekade</i>
30	SHELKE ROHIT SATISHKUMAR	<i>Shelke</i>
31	SHELKE SANKET LAXMAN	<i>Shelke</i>
32	SHINDE GANESH RAJENDRA	<i>Shinde</i>
33	SHINDE TANMAY VILAS	<i>Shinde</i>
34	SHIRSATH MAYUR SOPAN	<i>Shirsath</i>
35	SHRING ANIKET UTTAM	<i>Shring</i>
36	SINGH SAURABH	<i>Singh</i>
37	SONAWANE AKSHADA	<i>Sonawane</i>
38	SONAWANE PARAG MARUTI	<i>Sonawane</i>
39	SONAWANE YASH RAJENDRA	<i>Sonawane</i>
40	SURVE GAYATRI SHIVAJI	<i>Surve</i>
41	TAMBOLI ALIM FARUK	<i>Tamboli</i>
42	TAWALE NIKITA SACHIN	<i>Tawale</i>
43	TEKADE VIVEK APPASAHEB	<i>Tekade</i>
44	THOMBARE SAIDEEP	<i>Thombare</i>
45	THORAT MANJUSHA RAMESH	<i>Thorat</i>
46	THORAT OM SUJITKUMAR	<i>Thorat</i>
47	THORAT SUDARSHAN ASHOK	<i>Thorat</i>
48	TRIBHUWAN YASH ASHOK	<i>Tribhuwan</i>
49	TUPE SHYAM ASHOK	<i>Tupe</i>
50	UGALE GAURI RAJESH	<i>Ugale</i>
51	UGALMUGALE PRATIK	<i>Ugale</i>

Roll No	Name	Sign
52	VARPE SACHIN RAGHUNATH	<i>Sachin</i>
53	WAGH DARSHAN SHARAD	<i>Wagh</i>
54	WAGH MANTHAN	<i>Wagh</i>
55	WAGHCHAURE PRASAD	<i>Waghchaure</i>
56	WAKCHAURE PRASAD	<i>Wakchaure</i>
57	ZADGE GANESH ANNASAHEB	<i>Zadge</i>
58	SHAIKH ROSEMEEN ASLAM	<i>Shaikh</i>

AMRITVAHINI COLLEGE OF ENGINEERING
SANGAMNER - 422 608 DIST. AHMEDNAGAR, SANGAMNER

Industrial Visit at Sahakarmaharshi Bhausaheb Thorat Sugar Factory, Amrutnagar Sangamner

Date : 22/09/2022

Branch : **MECHANICAL ENGINEERING**

Year : **2SE**

Section **B**

Total Student in Section (B) is : **58**

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2	MANDLIK SURAJ SANTOSH	<i>[Signature]</i>	53	WAGH DARSHAN SHARAD	<i>[Signature]</i>
3	MOHITE ADITYA BHASKAR	<i>[Signature]</i>	54	WAGH MANTHAN	<i>[Signature]</i>
4	MOHITE PRAJAKTA PRADIP	<i>[Signature]</i>	55	WAGHCHAURE PRASAD	<i>[Signature]</i>
5	MONDHE DHIRUV JITENDRA	<i>[Signature]</i>	56	WAKCHAURE PRASAD	<i>[Signature]</i>
6	MORE KUMODINI SHRINIVAS	<i>[Signature]</i>	57	ZADGE GANESH ANNASAHEB	<i>[Signature]</i>
7	MORE SIDDHI BHAUSAHEB	<i>[Signature]</i>	58	SHAIKH ROSEMEEN ASLAM	<i>[Signature]</i>
8	MOTE SHRAVANI KESHAV	<i>[Signature]</i>			
9	MULE RUSHIKESH SOMNATH	<i>[Signature]</i>			
10	MULINTI KALYANI	<i>[Signature]</i>			
11	NIKAM ADITYA RAVINDRA	<i>[Signature]</i>			
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22	RAUT OMKAR RAJENDRA	<i>[Signature]</i>			
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32	SHINDE GANESH RAJENDRA	<i>[Signature]</i>			
33	SHINDE TANMAY VILAS	<i>[Signature]</i>			
34	SHIRSATH MAYUR SOPAN	<i>[Signature]</i>			
35	SHRING ANIKET UTTAM	<i>[Signature]</i>			
36	SINGH SAURABH	<i>[Signature]</i>			
37	SONAWANE AKSHADA	<i>[Signature]</i>			
38	SONAWANE PARAG MARUTI	<i>[Signature]</i>			
39	SONAWANE YASH RAJENDRA	<i>[Signature]</i>			
40	SURVE GAYATRI SHIVAJI	<i>[Signature]</i>			
41	TAMBOLI ALIM FARUK	<i>[Signature]</i>			
42	TAWALE NIKITA SACHIN	<i>[Signature]</i>			
43	TEKADE VIVEK APPASAHEB	<i>[Signature]</i>			
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48	TRIBHUWAN YASH ASHOK	<i>[Signature]</i>			
49	TUPE SHYAM ASHOK	<i>[Signature]</i>			
50	UGALE GAURI RAJESH	<i>[Signature]</i>			
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