



Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
INDUSTRIAL VISIT.



**“INDUSTRIAL VISIT OF SE, TE
&BE (ELECTRICAL)”**

Dated on 13th February 2024

ORGANIZED BY

DEPARTMENT OF ELECTRICAL ENGG.



Dr Vithralrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
INDUSTRIAL VISIT.



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Dr Vithralrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
INDUSTRIAL VISIT.



Details of Visit

Date of Visit: 13th February 2024

Details of Industries:

400 KV RS (O&M) Division,

Babhaleshwar,

Dist.: Ahmednagar Pin:413737

Mail– ee5130@mahatransco.in

Company Profile:

Kudus Line is a 400kV overhead line with a length of 447km from Babhaleshwar, Maharashtra, India, to Kudus, Maharashtra, India.

The project, which is currently under construction, is expected to be commissioned in 2021.

Babhaleshwar – Kudus Line is an overhead line that will be operated by Maharashtra State Electricity Transmission. The line will carry alternating current (AC) through double circuit cable.

Maharashtra State Electricity Transmission Co Ltd (MSETCL) is a power transmission company that offers electricity generation and transmission services. The company offers services such as electricity supplying and distribution, power energy generation and transmission, supplier services, tendering, planning, project implementation, transmission lines and EHV substations operations, and power systems controlling, management, operation services, and others. MSETCL's also carries out power transmission network operations and management, robust transmission network establishing, communication network operations, optic fibre communication system and other related services.

All publicly-announced T&D Line & Substation projects included in this analysis are drawn from Global Data's Power IC. The information regarding the projects is sourced through secondary information sources such as country specific utility players, company news and reports, statistical organizations, regulatory body, government planning reports and their publications and is further validated through primary from various stakeholders such as power utility companies, consultants, energy associations of respective countries, government bodies and professionals from leading players in the power sector.



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Visit Coordinators

Coordinator

- ❖ Prof.S. B.Joshi
Assistant Professor,Coordinator Electrical Industrial Visit– 2023-2024

Faculties

- ❖ Prof.S.K.Awaze
- ❖ Prof.M.H.Nerkar
- ❖ Mr. A.V.Musmade


Student Coordinators

Boys Coordinator

- ❖ Mr.Kawade Suraj
- ❖ Mr.Bhudhwant Akash

Girls Coordinator

- ❖ Mrs.Shinde Sandya
- ❖ Mrs.Fulsundar Shruti


Dr. A.R. Laxare
Head of Department
Dept. of Electrical Engg
P.D.V.V.P.College of Engg.
Ahmednagar.




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



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Permission letter

॥ न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ॥
Dr. Vithalrao Vikhe Patil Foundation's
Dr. Vithalrao Vikhe Patil College of Engineering
Affiliated to SPPU, Pune (ID. No. PU/AN/Engg./027/(1983)
Recognized by AICTE, New Delhi & Government of Maharashtra
Accredited by NAAC with A+ Grade (3.34 CGPA) & NBA, New Delhi

Ref.No. CEA/Elect/2024/ 303
Date: 31/01/2024

To,
The Superintending Engineer,
EHV O & M Circle,
MSETCL,
Nashik

Sub.-: Regarding Permission for Educational visit to 400 KV RS (O&M) Division,
Babhaleshwar on 9th Feb. 2024

Dear Sir,

Dr. Vithalrao Vikhe Patil College of Engineering was established in 1983 and is approved by AICTE New Delhi, Govt. of Maharashtra and affiliated to University of Pune. The college provides four years of Engineering degree course in five disciplines i.e. Civil, Mechanical, Electrical, Electronics and Telecommunication and Information Technology & Civil and Mechanical Engg. Post graduate in which industrial visit is a part of syllabus as per University curriculum.

It is now requested that permission to be granted for 60 students of TE & BE Electrical Engineering accompanied with 4 staff members. The visit may be scheduled preferably on 13th Feb. 2024. It is assured that there will be no disturbance in your work schedule due to visit of our students.

Your cooperation in this matter will be highly appreciated.

Thank you.

Yours sincerely
Principal
College of Engineering,
Ahmednagar

Visit In charge
Prof. Ms.M.H.Nerkar
Prof. Ms.S.K.Awaze

Visit Coordinator
Prof. S. B. Joshi

HOD
Prof. A.R.Laware
Electrical Engg

NAAC A+ Grade

0241-2777296 / 2779496 / 9356164515



Dr Vithralrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
INDUSTRIAL VISIT.



Student List:-

Dr. Vithralrao Vikhe Patil College of Engineering, Vilad Ghat, Ahmednagar DEPARTMENT OF ELECTRICAL ENGINEERING Academic Year 2023-24 Industrial Visit to Babhaleshawar 400 kV				
Sr No.	Roll No.	Name of Students	Class	Sign
1	16	Kawade suraj	BE	
2	09	Dukale Tushar	BE	
3	44	Wanare Aditya	BE	
4	06	Budhawant Akash	BE	
5	18	Pathare Abhishek	BE	
6	24	Sandhya Shinde	BE	
7	07	Yogita Dalvi	BE	
8	05	Bhingardive Diksha	BE	
9	15	Kamble punam	BE	
10	14	Kakade Vaishanvi	BE	
11	08	Dawkar Prashali	BE	
12	11	Jadhav Prajka	BE	
13	53	Sanap Vaibhav	BE	
14	45	Tupe Vedant	BE	
15	39	Kandare Sanket	BE	
16	37	Jadhav Shreenath	BE	
17	33	Thakre Ramdas	BE	
18	36	Donge Umesh	BE	
19	10	Gaikwad Chaitanya	BE	
20	13	Jawale Mahesh	BE	

Signature of the Head of Department
अतिरिक्त कार्यवाही अतिरिक्त 13.02.24
४०० के.वी. बाबहालेशवर



Dr Vithralrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
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21	43	Shaikh Mohamad	RE	
22	14	Ashutosh Joshi	TE	
23	25	Navgire Nikita	TE	
24	31	Shelke Sarika	TE	
25	26	Patekar Pratiksha	TE	
26	37	Udmale Sanika	TE	
27	02	Bhusa pracheta	TE	
28	29	Shaikh Mubin	TE	
29	22	Mulay Harsh	TE	
30	17	Karad Abhishek	TE	
31	01	Aute Ganesh	TE	
32	18	Khandagale Dipak	TE	
33	38	Wagh Pravin	TE	
34	22	Waghade Sai	TE	
35	06	Karad Adesh	SE	
36	08	Patil Vishal	SE	
37	30	Fulaounder Shruti	SE	
38	02	Pratiksha Deshmukh	SE	
39	13	Rashinkar Diksha	SE	
40	17	Thange Suyash	SE	
41	19	Waghmode Tejaswini	SE	
42	27	Gangode Prathamesh	SE	
43	18	Waghmare Achal	SE	
44	29	Shaikh Aasim	SE	
45		Prof . M.H. Nerkar		
1		Prof. S.K.Awaze		
2		Lab Tech. A.V.Musmade		
3				
46	29	Dangat Aditya		

47	48	Vikhil Sase	<u>Sase</u>
48	37	SANKEET FUGE	<u>Fuge</u>
49	17	Prangane sandip	<u>Sandip</u>
50	38	Pawan Suresh	<u>Suresh</u>
51	13	Ashish Jaiswal	<u>Jaiswal</u>
52	49	Nalla Dnyaneshwar	<u>D. Nalla</u>
53	36	Saurabh Uchit	<u>Uchit</u>
54	35	Satyamdal Tiwari	<u>Tiwari</u>
55	02	Athare Subodh	<u>Subodh</u>
56	23	Shaikh Afiya	<u>Afiya</u>
57	1	Rushikesh Ghanwat	<u>Ghanwat</u>

$$57 - 2 = \underline{\underline{55}} \text{ (present)}$$

Total Student- 55

Total Staff Member-03



Dr Vithralrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
INDUSTRIAL VISIT.



Photography

Photo'sin /400KV RS (O&M) Division, Babhaleshwar,





Dr Vithralrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
INDUSTRIAL VISIT.



Photo'sin/400KV RS (O&M) Division, Babhaleshwar,





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SE, TE & BE INDUSTRIAL VISIT
STUDENT UNDERTAKING

I Undersign Mr./Miss

Students SE, TE&BE

Electrical Branch under take to full fill requirement of college towards maintaining the discipline during the visit. I will not participate into any undesirable activity which will cause problem for me also for others, I shall show due respect to staff members. I shall be responsible for my misbehavior. It is the right to higher authority to take any action against me if found guilty/ any misbehavior activity.

Place of Visit:

400KV RS (O&M)

Division,

Babhaleshwar

Date of Visit:

13/02/2024

Thanking You,

Yours Faithfully



Dr Vithralrao Vikhe Patil College of Engineering, Ahmednagar
Department of ELECTRICAL ENGINEERING
INDUSTRIAL VISIT.



Student Opinion

Miss.SandyaShinde

We really had a great time during visit hours. We had enjoyed the hours we spent on the visit. Also we got known about the plant formats of their workings etc.

Mr.Sanap Vaibhav

Fantastic tour, awesome memories & unforgettable footprints in my mind ever so. This trip brought us together and helped to understand teacher student relationship.

Mr.Mulay Harsh

The most I like about the visit was the conclusion of the industrial visit told by coordinator Sir to me.

Miss. Shelke Sarika

It was one of the memorable visit which I had and it was really a pleasure to have such a wonderful industrial visit. We had many opportunities to have practical knowledge about many things related to the technology and day to day life. We have visited many holy places and very wonderful feelings after visiting temple. I thank our teachers for arranging such a trip.

Mr.Thange suyash

The most interesting thing about the visit was we got a chance to visit PLC unit from inside. The Plant was good and we got practical knowledge there.



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Vote of Thanks

We would like to thank our principal Dr.UdayP.Naik, PDVVPCOE, Ahmednagar, HOD Electrical engineering Department, Dr. A. R. Laware Sir for giving us the opportunity to go for such an unforgettable technical visit. So we would like to thank to all who help us in every manner to make this visit successful. We would also like to thanks visit incharge Mrs.M.H.Nerkar and staff S.K.Awaze, Mr.A.V.Musmade.

Now, special thanks to. 400KV RS (O&M) Division, Babhaleshwar, for their support, and all information about generation of electricity which made visit memorable.

Industrial Visit Co-ordinator


Dr. A. R. Laware
Head of Department
Dept. of Electrical Engg.
P.D.V.V.P.College of Engg.
Ahmednagar.




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॥ न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ॥
Dr. Vitthalrao Vikhe Patil Foundation's

**Dr. Vithalrao Vikhe Patil
College of Engineering Ahmednagar**



DTE College Code: EN-5161

Department of Electrical Engineering

Industrial Visit Report

Date:-02/11/2023

Time:-10.15am

Class: - BE

Venue:- Ahmednagar

Nature of Event (Intern/FW/IV):- Technical Visit to Water Treatment Plant MIDC A.Nagar

Name of Company: - E&M Sub Division Water Treatment Plant MIDC Ahmednagar

Address of Company: - MIDC Ahmednagar 414101.

Name of Staff: - Prof.R.A.Darandale

Name of Delegates: - Mr. Shende Sir

Description of the Event:- Industrial visit for subject PLC & SCADA was arranged for final year Electrical Engineering students on 02/11/2023 to E & M Sub Division, Water Treatment Plant MIDC Ahmednagar. The purpose of the visit was to make the students familiar with the Automation used in Water Treatment Plant using PLC & SCADA.

1. Objectives-

- To make the students understand the fundamentals of automation and various automation systems used in the industry, such as PLC. .
- To develop the architecture of SCADA, explaining each unit in detail.

2. Outcomes:

Students are able to

- Develop and explain the working of a PLC
- Classify input and output interfacing devices with PLC.
- Develop the architecture of SCADA and explain the importance of SCADA in critical infrastructure

Total Number of Students Present: - 34



[Signature]
PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

[Signature]
Dr. A.R. Laware
Head of Department
Dept. of Electrical Engg.
P.D.V.P. College of Engg.
Ahmednagar

Visit Permission Letter:

Ref.No. CEA/Elect/2023/ 2918

Date: 30/10/2023

To,
The Dy. Engineer,
E&M Sub Division,
Water Treatment Plant,
MIDC, Ahmednagar-414111

Sub:-Industrial visit of B.E. Electrical Students

Respected Sir,

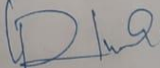
Dr. Vithalrao Vikhe Patil College of Engineering was established in 1983 and is approved by AICTE New Delhi, Govt. of Maharashtra and affiliated to University of Pune. The college provides Engineering under graduation course in Civil, Mechanical, Electrical, Electronics & Telecommunication, Information Technology, Computer science and design with post graduation courses in Civil & Mechanical Engineering. As per the curriculum of Savitribai phule university pune. It is necessary to visit industry for up-gradation of practical knowledge of students.

It is now requested that permission to be granted for 40 students of **BE Electrical Engineering** accompanied with 2 staff members. The visit may be scheduled preferably on 03rd Nov. 2023. It is assured that there will be no disturbance in your work schedule due to visit of our students.

Your cooperation in this matter will be highly appreciated.


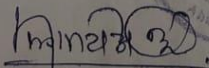
Thank you.


Your sincerely


Principal


College of Engineering,
Ahmednagar.

Visited BE Electrical
45 student with
2 staff members



Deputy Engineer
M.I.D.C., E&M Sub Division,
Ahmednagar.


Dr. A.R. Laxare
Head of Department
Dept. of Electrical Engg
P.D.V.V.P. College of Engg,
Ahmednagar.




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Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar			
DEPARTMENT OF ELECTRICAL ENGINEERING			
INDUSTRIAL VISIT- WATER TREATMENT PLANT 02/11/2023			
SR. NO.	NAME OF STUDENT	ROLL NO.	SIGNATURE
1	pathare Abhishek Vilas	18	AB
2	Bidhavant Akash Rajaram	06	Akash
3	Dalvi Yogita Balu	07	YogitaBP
4	Kamble Punam Sanjay	15	Punam
5	Shinde Sandhya Babasaheb	24	Shinde
6	Pimple Sakshi Pravin	20	Sakshi
7	Bhatiya Abhishek	04	Abhishek
8	Wairao Renuka Ramdas	28	Wairao
9	Sonap Vaibhav Dinkar	53	Vaibhav
10	Jadhav Shrinath Pandurang	37	Shrinath
11	Umesh Kalyan Dangore	36	Umesh
12	Thakare Ramdas Anant	33	Ramdas
13	Pawar Ajit Balasaheb	58	Ajit
14	Jawale Mahesh Ramnath	13	Mahesh
15	Jadhav Prajita	11	Prajita
16	Aliya Shaikhgani	23	Aliya
17	Diksha Bhigardave	05	Diksha
18	Prashali Dawkar	08	Prashali
19	Athare Subodh	02	Subodh
20	Bhakare Sumit Santosh	03	Sumit
21	Gailwad Chaitanya	10	Chaitanya
22	Nalla Dnyaneshwar Olaxmikant	40	D. Nalla
23	Khardane Sanket Baban	39	Sanket
24	Kute Swapnil Parshuram	17	Swapnil
25	Kale Ashutosh Uttam	56	Ashutosh
26	Sasane Rushikesh Ramesh	54	Rushikesh
27	Tandale Rushikesh Suresh	27	Tandale
28	Vikhe Jalindar Sapan	42	Jalindar
29	Dangat Aditya	29	Aditya
30	Dukale Tushar	09	Tushar
31	Sangle Aman	21	Aman
32	Kakde Vaishnavi	14	Kakde
56	Ganesh Sonawane	56	Ganesh
55	Vinod Shirse	55	Vinod

Mr. Darandale R.A.
In-charge Industrial Visit.

Dr. A.R. Laxre

Head of Department
Dept. of Electrical Engg
P.D.V.P. College of Engg.
Ahmednagar.



Principal
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Visit Photographs:-



A.R. Lawre
Dr. A.R. Lawre
Head of Department
Dept. of Electrical Engg
P.D.V.V.P. College of Engg.
Ahmednagar.



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