



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

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



DTE College Code: EN-5161

Department of Electronics & Telecommunication

Report of Event (Internship/Field Work/Industrial Visit)

Date:- _13/03/2020

Time:- _10 am to 5.00pm_

Class:- _S.E_

Venue:- _Ahmednagar_

Nature of Event (Intern/FW/IV) :- _Industrial Visit_

Name & Address of Company:-

Indian Railway, Ahmednagar Section, Ahmednagar

Name of Staff and Delegates:-

Mr. Prashant Nannaware, Engineer, Indian Railway, Ahmednagar Section, Ahmednagar

Description of the Event:-

Industrial visit is a part of professional courses, mostly **Engineering**. During this students visit students will get knowledge about user of their Engineering Knowledge at Indian Railway.

Objective:

1. To help the student bridge the gap between academic theory and practical application and allow you the opportunity to explore a career in any field of Railway.
2. To obtain knowledge of the organization structure and operations in Railway.

Outcomes:

1. Students will able to get idea about practical applications in Railway.
2. Students will able to understand operations in the industry in Railway.

Total Number of Students Present:- 26



(Signature)
PRINCIPAL
Dr. Vitthalrao Vikhe Patil
College of Engineering
Ahmednagar

(Signature)
H.O.D
Dr. A.K.Patil

Head of Electronics & Telecommunication Dept.
P.D.V.V.P. College of Engineering
Vilad Ghat, Ahmednagar-414111

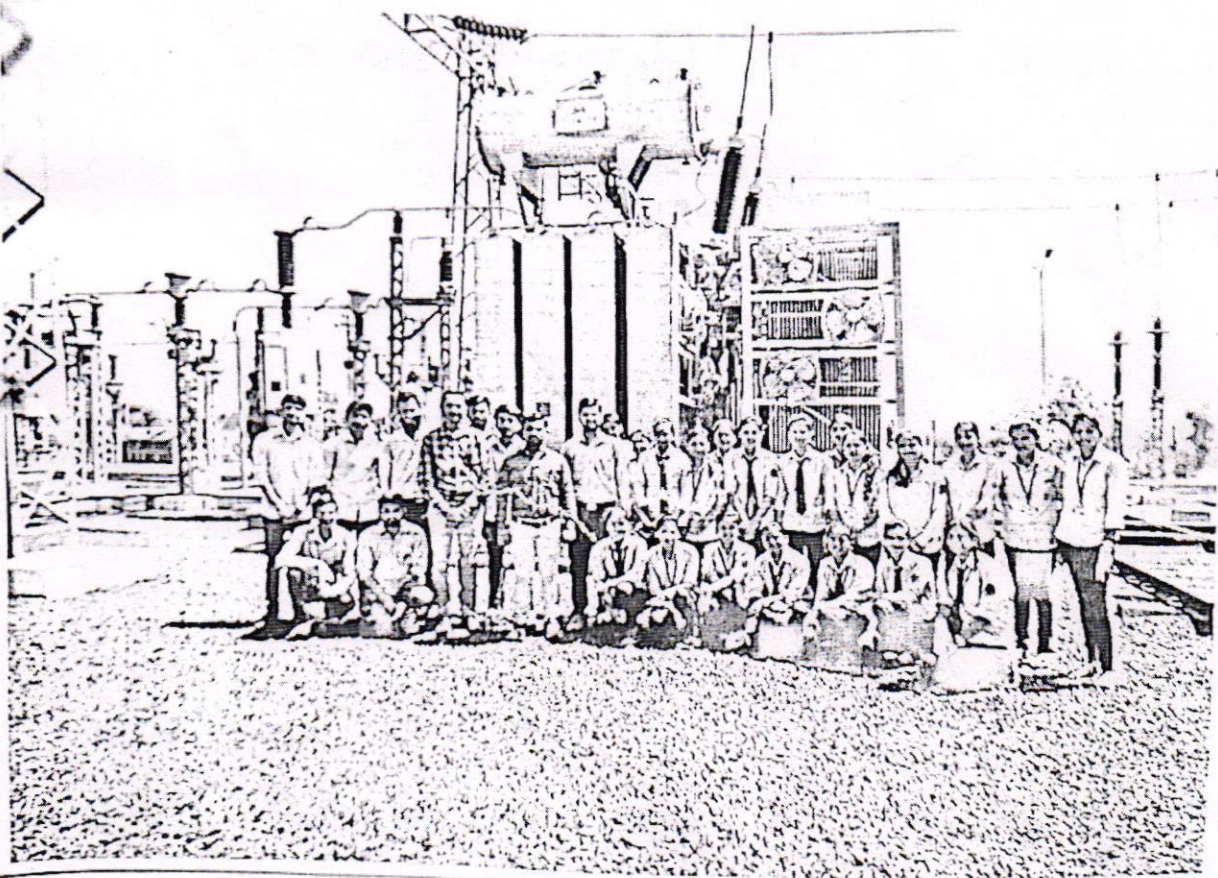


Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar.
S.E Electronics & Telecommunication
Industrial Visit Report

D.V.V.P.COE, Ahmednagar.

A.Y 2019-20

Industrial Visit Report
of
Dept of Electronics and
Telecommunications
SE (E & TC)
(on 13th March 2020)



IV REPORT

Department of Electronics & Telecommunication



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

2

Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar
Department of Electronics and Telecommunication

Date: 13/03/2020

Industrial Visit

Academic Year:2019-20

Semester II

Date: 13/03/2020

Class: TE Subject: Power Electronics

No. of Students present: 26

A) Name of Company/ Site Visited:

Power Distribution System of Central Railway Using PLC System ,
Nimbalak Railway Station, & Auto Cluster , MIDC, Ahmednagar, Maharashtra

B) Objectives :

- i) An opportunity to get exposure to the real workstations, plants, machines and systems.
- ii) Opportunity to get the senior functional experts / supervisors to explain about company functions.
- iii) Company tour to understand the end-to-end process at all levels.
- iv) Expert briefing about the functioning of machines and systems.
- v) Opportunity to have a face to face session with technical or administrative experts of the organization to ask questions and clarify doubts.
- vi) Opportunity to understand the company policies in terms of production, quality, and service management.
- vii) Make Students Aware with Industry Practices.
- viii) Increase Practical Awareness of various Industrial Sectors.
- ix) Acquaint Students with Interesting Facts and Newer Technologies.
- x) Practical application of instruments handled during course curriculum.

C) Short Report on Visit (not more than 10 lines)


1. Company involves the practical knowledge about Power Distribution and Transmission.



PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

2. Using these panels, to design the special purpose machines for the electronics, robotics and mechatronics fields of engineering.
3. From this visit, Student got the knowledge about different protection devices used in substation.
4. They got the idea how to read the one line diagram of power substation using different symbols used in diagram They got the idea how to read the one line diagram of electronics unit using different symbols used in diagram.
5. Student cleared out practical knowledge of transformer as how it step down voltage 220 KV to 132 KV.
6. They also got knowledge about new SCADA based system as you can operate substation by manually or by command from computer using SCADA system and PLC programming.
7. About 26 students were benefited from this visit as they got chance to discussion with engineers working at company.




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

28

Department of Electronics And Telecommunication

S.E INDUSTRIAL VISIT NOTICE

Industrial visit has its own importance in a career of a student who is pursuing a professional degree. It is considered as a part of college curriculum and objectives of industrial visit is to provide students an insight regarding internal working of companies. We know, theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work.

Therefore Department of Electronics and Telecommunication is organizing Industrial Visit to Company on Date: 13/03/2020 (Friday) Morning at MIDC Ahmednagar. Students are informed to be present in college at time 09:30 AM . College Bus is provided for the same .

Industrial visit is prescribed in syllabus of Savitribai Phule Pune University, Attendance is compulsory for all Second year Students. Students not attending the visit will have to pay fine of 500/-.

Objectives of Industrial visit:

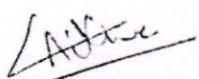
1. To create awareness about manufacturing process of industry.
2. To give industrial exposure.

Departure Time : 09:30 A.M.

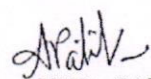
Arrival Time : 05:00 P.M.

Name of Company : 1. Auto Cluster, Ahmednagar .

2. PLC Site Railway Station (Nimbalak).

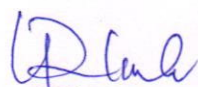

Prof. A. U. VIKHE

VISIT CORDINATOR


Dr. ANITA PATIL

HOD ENTC




PRINCIPAL
Dr. Vithalrao Vithal Patil
College of Engineering
Ahmednagar

CamScanner



Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar.

S.E Electronics & Telecommunication

D.V.V.P.COE, Ahmednagar.

Industrial Visit Report



IV REPORT

Department of Electronics & Telecommunication



[Signature]
PRINCIPAL

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



The department of Electronics and Telecommunication, Dr.Vithalrao Vikhe Patil College of Engineering organized a one day Industrial visit to Power Distribution System of Central Railway Using PLC System ,Nimbalak Railway Station, & Auto Cluster , MIDC, Ahmednagar,Maharashtra on 13th March 2020 for S.E Electronics and Telecommunication Engineering students.

The visit was organized with the prior permission and guidance of Hon. Principal Dr. U.P. Naik and HOD of E & TC Department Dr.A.K.Patil Along with the staff members. Prof.A.U.Vikhe, Prof.P.B.Varpe teaching faculty of E & TC department accompanied with this industrial visit.

Total 32 students of class S.E. (E & TC) along with 02 faculty members have joined this industrial visit.

From this visit, we got the information and practical knowledge about Power Distribution and Transmission. Student got the knowledge about different protection devices used in substation. They got the idea how to read the one line diagram of power substation using different symbols used in diagram. Student cleared out practical knowledge of transformer as how it step down voltage 220 KV to 132 KV.

They also got knowledge about new SCADA based system as you can operate substation by manually or by command from computer using SCADA system and

IV REPORT

Department of Electronics & Telecommunication



[Signature]
PRINCIPAL

Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



PLC programming. About 26 students were benefited from this visit as they got chance to discussion with assistant engineers working at Substation

The details of Journey are as follows:-

1. We started traveling from DVVPCOE to Nimbalak Railway Station at 09.30 AM on 13th March 2020.
2. We reached to Nimbalak Railway Station at 10.10 A.M.
3. Visit of Power Distribution System of Central Railway Using PLC System was preceded by Our Alumni Mr. Prashant Nannaware who is Senior Section Engineer in Central Railway.
4. Visit continued till 1.00 P.M.
6. On the same day, we have reached MIDC Ahmednagar at 02.00 P.M. for Visiting Auto Cluster.
7. Visit of Auto Cluster was preceded by Our Alumni Mr. Vinayak Desmukh who is Chairman of Auto Cluster.
8. Visit continued till 5.00 P.M..
9. We arrived at 05:30 P.M. at DVVPCOE Campus, Ahmednagar on 13th March 2020.

IV REPORT

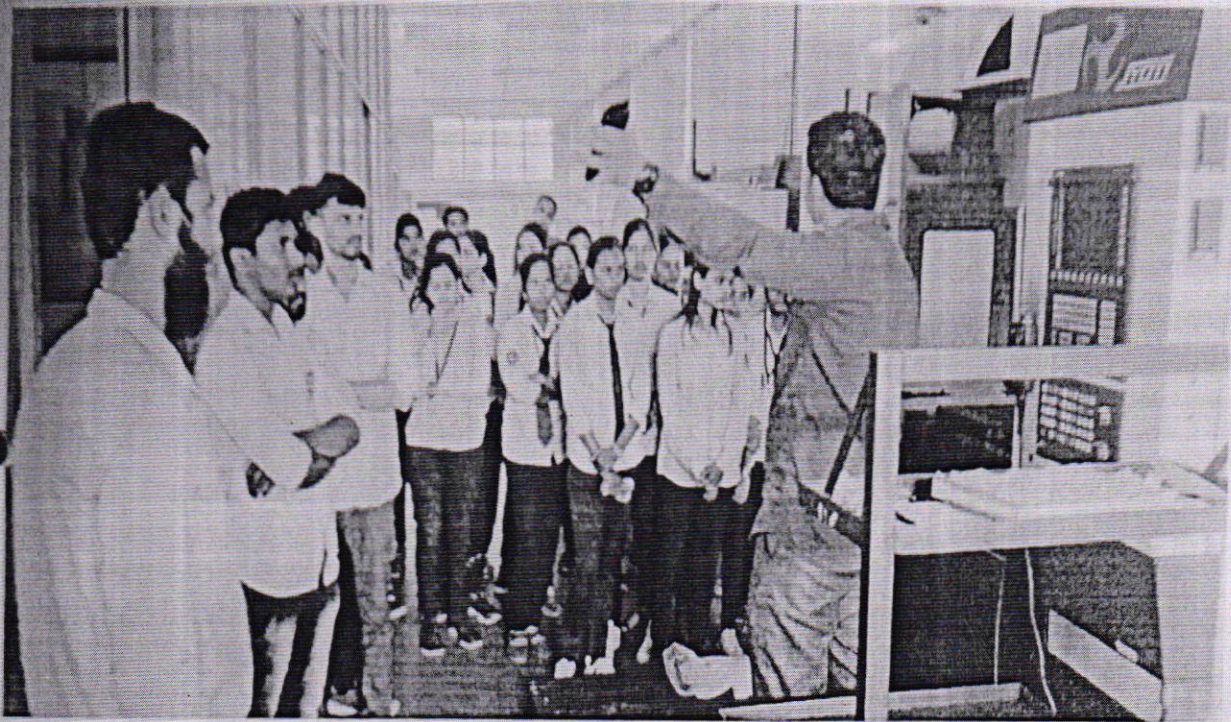
Department of Electronics & Telecommunication




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar.
S.E Electronics & Telecommunication D.V.V.P.COE, Ahmednagar.
Industrial Visit Report



IV REPORT

Department of Electronics & Telecommunication



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



Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar,
S.E Electronics & Telecommunication
Industrial Visit Report

D.V.V.P.COE, Ahmednagar.



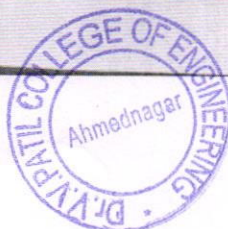
The students of Second year E&TC and the staff members have enjoyed the technical endeavor at the organizations a lot. The company persons also appreciated our students after the question answer sessions. Visit seems to be very informative and gives good learning experience. It was the unique example of 'EDUTAINMENT' i.e. Education & Entertainment.

Students were well mannered and disciplined throughout the Tour and no injury or anything bad happened during the industrial tour.

All the Staff members and Students are extremely thankful to honorable principal Dr. U.P.Naik, Officials at organizations who grant the permission of visiting their organization and guide the students

IV REPORT

Department of Electronics & Telecommunication



U.P. Naik
PRINCIPAL
Dr. Vithalrao Vikhe
College of Engineering
Ahmednagar

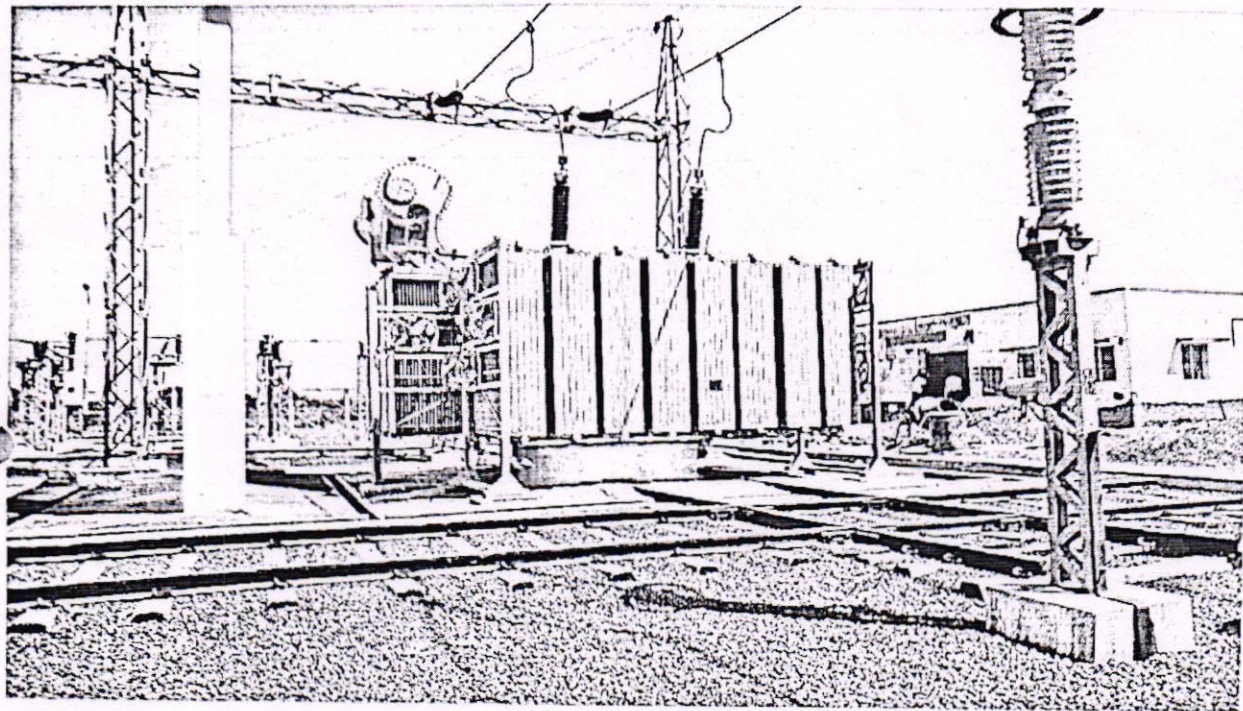


Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar.

S.E Electronics & Telecommunication

D.V.V.P.COE, Ahmednagar.

Industrial Visit Report



It was a good experience, which has provided exposure to the Second year students with industrial life.

The students are benefited in terms of the technical details provided by the company on an important part of Recruitment Policy by Company and Various Career Opportunities in Electronics industries. They conducted around 2 hour and 30 min seminar sessions which covered the following details:-

The presentation session was conducted by:

- 1) Mr. Vinayak Desmukh ,Chairman,Auto Cluster
- 2) Mr.Prashant Nannaware, SSE, Central Railway.
- 3) Employees of organisation

1. Product Lifecycle [Product concept, Design, Engineering/Development , Agile Methodology , Maintains & support, Professional service and industrial Design & Engineering]

IV REPORT

Department of Electronics & Telecommunication



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



2. Technology [Analytics, Big Data, cloud, collaborating, Embedded, Mobility and security]
3. Different areas for which Industries works [Technology, Telecommunication, life science, Customer packaged Goods, Banking & finance , Healthcare]
4. Main focus was on Skill Development of Engineers, also use of robots in Industries and also for domestic applications
5. Core concepts related with Testing and calibration and its reflection with current industry needs. [Automation , concepts in networking, Recruitment policies of various companies etc.]
6. Finally they had shown us infrastructure of Auto Cluster and Equipments used in Company.

IV REPORT

Department of Electronics & Telecommunication



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

Scanned with CamScanner



Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar.
S.E Electronics & Telecommunication **D.V.V.P.COE, Ahmednagar.**
Industrial Visit Report

List of students for Industrial visit

| Roll No | Name of the Student |
|---------|---------------------------|
| 03 | Bhongal Rushikesh Ram |
| 06 | Dhole Akshata Madhukar |
| 10 | Khatik Pranav Dipak |
| 11 | Kumbhakarna Yash Sach |
| 12 | Londhe Anuja Datta |
| 13 | Mahamuni Nikita Rupesh |
| 14 | Nirwane Sanket Sanjay |
| 15 | Nivdunge Shrushti Sambh |
| 16 | Pandit Aditi Arun |
| 19 | Shaheel Irfaan |
| 20 | Sharma Shagun Devendra |
| 22 | Shirsath Bhagyashri Prak |
| 28 | Kalamkar Vidya Rupchan |
| 29 | Pardeshi Sarika Sachin |
| 30 | Rajapure Vaishnavi Dnya |
| 31 | Pathan Saliya Shabbirkha |
| 32 | Pawar Shradhha Dattatray |
| 33 | Bagwan Ainul Rehan |
| 34 | Borde Pratibha Machhindra |
| 35 | Dhakane Kavita Shahadev |
| 36 | Dusane Shital Rajendra |

IV REPORT

Department of Electronics & Telecommunication



PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar.
S.E Electronics & Telecommunication **D.V.V.P.COE, Ahmednagar.**
Industrial Visit Report

| | |
|----|--------------------------|
| 37 | Funde Sandip Ajinath |
| 38 | Gadekar Kalyani Ramesh |
| 39 | Ghodake Ankita Popat |
| 40 | Makude Anjali Haribhau |
| 41 | Markad Snehal Sanjay |
| 42 | Patole Yash Vijay |
| 43 | Shaikh Abdulmannan Israr |
| 44 | Shaikh Dilshad Javid |
| 45 | Shelar Sarika Kantaram |
| 46 | Tupe Shweta Shivajirao |
| 47 | Ugalmugale Rushikesh Ram |

IV REPORT

Department of Electronics & Telecommunication



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

| Roll No | Name of the Student | SIGN |
|---------|---------------------------|---------------------|
| 03 | Bhongal Rushikesh Ram | <i>Bhongal R.R.</i> |
| 06 | Dhole Akshata Madhukar | <i>Akshata</i> |
| 10 | Khatik Pranav Dipak | <i>Pranav</i> |
| 11 | Kumbhakarna Yash Sach | <i>Yash</i> |
| 12 | Londhe Anuja Datta | <i>Anuja</i> |
| 13 | Mahamuni Nikita Rupesh | <i>Nikita</i> |
| 14 | Nirwane Sanket Sanjay | <i>Sanket</i> |
| 15 | Nivdunge Shrushti Sambh | <i>Shrushti</i> |
| 16 | Pandit Aditi Arun | <i>Aditi</i> |
| 19 | Shaheel Irfaan | <i>Shaheel</i> |
| 20 | Sharma Shagun Devendra | <i>Shagun</i> |
| 22 | Shirsath Bhagyashri Prak | <i>Bhirsath</i> |
| 28 | Kalamkar Vidya Rupchand | <i>Vidya</i> |
| 29 | Pardeshi Sarika Sachin | <i>Sarika</i> |
| 30 | Rajapure Vaishnavi Dnya | <i>Rajapure</i> |
| 31 | Pathan Saliya Shabbirkha | <i>Saliya</i> |
| 32 | Pawar Shradhha Dattatray | <i>Shradha</i> |
| 33 | Bagwan Ainul Rehan | <i>Ainul</i> |
| 34 | Borde Pratibha Machhindra | <i>Pratibha</i> |
| 35 | Dhakane Kavita Shahadev | <i>Kavita</i> |
| 36 | Dusane Shital Rajendra | <i>Shital</i> |
| 37 | Funde Sandip Ajinath | <i>Sandip</i> |
| 38 | Gadekar Kalyani Ramesh | <i>Gadekar</i> |
| 39 | Ghodake Ankita Popat | <i>Ankita</i> |



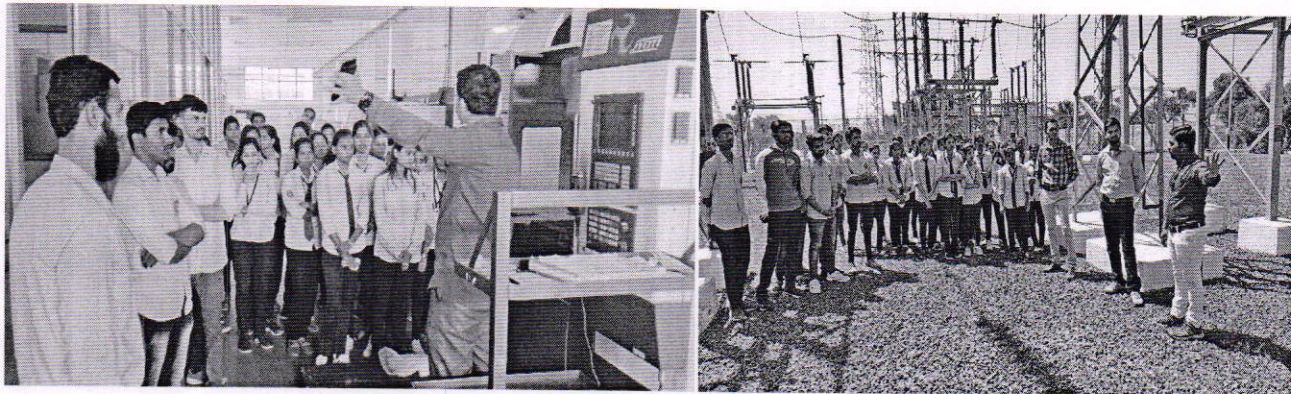
Dr. Vikas
PRINCIPAL
Dr. Vikas Vikhe Patil
College of Engineering
Ahmednagar

| Roll No | Name of the Student | SIGN |
|---------|--------------------------|--------------------|
| 40 | Makude Anjali Haribhau | <i>Anjali</i> |
| 41 | Markad Snehal Sanjay | <i>Snehal</i> |
| 42 | Patole Yash Vijay | <i>Yash</i> |
| 43 | Shaikh Abdulmannan Israr | <i>Shaikh</i> |
| 44 | Shaikh Dilshad Javid | <i>Dilshad</i> |
| 45 | Shelar Sarika Kantaram | <i>Sarika</i> |
| 46 | Tupe Shweta Shivajirao | <i>Tupe Shweta</i> |
| 47 | Ugalmugale Rushikesh Ram | <i>Rushikesh</i> |



V. V. Patil
PRINCIPAL
 Dr. Vithalrao Vikhe Patil
 College of Engineering
 Ahmednagar

E) Photographs of Visit with caption



Students getting information about Power-station/process



Dr. V. Patil
PRINCIPAL
Dr. Vitthalrao Vikhe Patil
College of Engineering
Ahmednagar



Dr. Vithalrao Vikhe Patil College Of Engineering, Ahmednagar.
S.E Electronics & Telecommunication D.V.V.P.COE, Ahmednagar.
Industrial Visit Report

Name of the industry visited with contact details:

| Site Visited | Address/Contact Details |
|---|------------------------------------|
| Power Distribution System and Power Control of Central Railway Using PLC System | Nimbalak Railway Station, Nimbalak |
| Auto Cluster | MIDC, Ahmednagar |

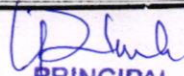
List of Staff Members for visit

| | |
|----|--|
| 1. | Prof. A.U.Vikhe Dept. of E & TC Co-ordinator(Industrial Visit) |
| 2. | Prof. P.B.Varpe Dept. of E& TC |

IV REPORT

Department of Electronics & Telecommunication




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



Student's Feedback:

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

--- Ms. Mahamuni Nikita.

2. It was one of the memorable trip which I had and it was really 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 holy place and had very wonderful feelings after visiting temple. I thank our teachers for arranging such trip.

--- Ms. Pandit Aditi.


3. The most interesting thing about the trip was we get an chance to visit Such Sites . The industry was good and we got practical knowledge there.

---Mr. Bagwan Ainul.

4. Technical Knowledge Shared by the alumni was really good, it showed us the path for future.

---Mr. Patole Yash.




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar