



॥ 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 Electrical Engineering.**

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

Date: - 21/02/19 to 22/02/19

Classes: - BE Electrical

Place: - Power Engineers & Mapro food Pvt Ltd, Kolhapur & Mahabaleshwar

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

Name of Company: - Power Engineers & Mapro food Pvt Ltd, Kolhapur & Mahabaleshwar

Address of Company: - Power Engineers & Mapro food Pvt Ltd, Kolhapur & Mahabaleshwar

### **Description of the Event:-**

#### **Objective of the Event:-**

1. To explore the students about industrial environment.
2. To explore the students regarding teamwork, leadership, planning, designing and marketing of product.

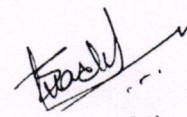
#### **Outcomes of the Event:-**

1. Student will able to understand the industrial environment
2. Student will able to learn regarding teamwork, leadership, planning, designing and marketing of product.

Total Number of Students Present: - 60



  
PRINCIPAL  
Dr. Vitthalrao Vikhe Patil  
College of Engineering  
Ahmednagar

  
H.O.D. Electrical Engg.  
Dr. Vitthalrao Vikhe Patil College of Engineering  
Ahmednagar

H.O.D





DR. VITHALRAO VIKHE PATIL FOUNDATION'S

**DR. VITHALRAO VIKHE PATIL  
COLLEGE OF ENGINEERING ,**

**Vilad Ghat, P.O. - M.I.D.C., Ahmednagar - 414 111. ( M.S.) | INDIA**



**Recognised by A.I.C.T.E. New Delhi**

**Affiliated to University of Pune ( ID.No. PU/ AN/ Engg./ 027/ (1983)**

**Phone : 0241 - 2777296, 2779496**

**Fax : 0241 - 2777533**

**E-MAIL : prin\_coea@yahoo.com**

**Website : <http://www.enggnagar.com>**

Ref.No. GEA/Elect/2019/376

Date: 01/02/2019

To,

**Power Engineers,**

W-24/25, MIDC, Gokul Shirgaon,

Kolhapur, Maharashtra.-416234

**Industrial visit of B.E. Electrical students**

Sir,

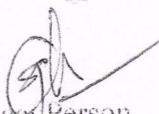
Dr. Vithalrao Vikhe Patil College of Engineering was established in 1983 and is approved by AICTE New Delhi, Govt. of Maharashtra and affiliated to University of Pune. The college provides four years of Engineering degree course in five disciplines i.e. Civil, Mechanical, Electrical, Electronics and 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 B.E. Electrical Engineering accompanied with 3 staff members. The visit may be scheduled preferably between 18<sup>th</sup> Feb to 21<sup>st</sup> Feb 2019. 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.

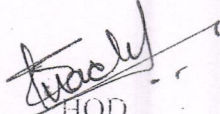
Thank you.

Your sincerely

  
Contact Person

Prof. S.B. Joshi

Mob. No.- 9420743240

  
HOD


Prof. S.A. Markad

Electrical Engg.

  
Principal

College of Engineering

Ahmednagar

  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar



Visited - 21/02/19  
46 students







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

Date-08/03/2019

To  
The principal  
DVVPCOE,  
A'Nagar.

Subject- Regarding Clearance of Industrial Visit.

Respect Sir,

I, Prof. Awaze S. k. (Asst. Professor) Electrical Engineering Department, want to inform you that we have arranged Industrial visit for B.E. (Electrical) students at Power Engineers, Kolhapur on 21<sup>st</sup> Feb 2019 and Mapro Food Products Pvt. Ltd., Wai, Mahabaleshwar on 22<sup>th</sup> Feb 2019.

Sanctioned budget for visit was Rs.40000/- and expenditure for visit is 51923 /- which is stated in expenditure report. So I request you to please do needful action regarding the clearance of expenditure of Industrial visit.

Thanking you.

Forwarded to  
The Principal,  
for Sanctioning pl.  
13/3/2019.

Visit Incharge  
(BE ELECTRICAL)

Prof G.B. Murad  
& Prof S.K. Awaze

Acch  
14/3



PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





DR. VITHALRAO VIKHE PATIL FOUNDATION'S

**DR. VITHALRAO VIKHE PATIL  
COLLEGE OF ENGINEERING ,**

Vilad Ghat, P.O. - M.I.D.C., Ahmednagar - 414 111. ( M.S.) INDIA



Recognised by A.I.C.T.E. New Delhi

Affiliated to University of Pune ( ID.No. PU/ AN/ Engg./ 027/ (1983)

Phone : 0241 - 2777296, 2779496

E-MAIL : [prin\\_coca@yahoo.com](mailto:prin_coca@yahoo.com)

Fax : 0241 - 2777533

Website : <http://www.enggnagar.com>

Ref.No. GEA/Elect-2019-376

Date: 01/02/2019

To,

Power Engineers,

W-24/25, MIDC, Gokul Shirgaon,

Kolhapur, Maharashtra.-416234

**Industrial visit of B.E. Electrical students**

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 BE Electrical Engineering accompanied with 3 staff members. The visit may be scheduled preferably between 18<sup>th</sup> Feb to 21<sup>st</sup> Feb 2019. 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

Contact Person

Prof. S.B. Joshi

Mob. No.- 9420743240

HOD

Prof. S.A. Markad

Electrical Engg.

Principal

College of Engineering,

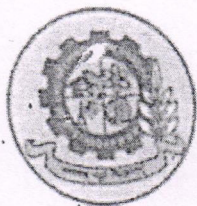
Ahmednagar.

Scanned by CamScanner



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





DR. VITHALRAO VIKHE PATIL FOUNDATION'S  
**DR. VITHALRAO VIKHE PATIL  
COLLEGE OF ENGINEERING ,**



Vilad Ghat, P.O. - M.I.D.C., Ahmednagar - 414 111. ( M.S.) INDIA

Recognised by A.I.C.T.E. New Delhi

Affiliated to University of Pune ( ID.No. PU/ AN/ Engg./ 027/ (1983)

Phone : 0241 - 2777296, 2779496

Fax : 0241 - 2777533

E-MAIL : [prin\\_coea@yahoo.com](mailto:prin_coea@yahoo.com)

Website : <http://www.enggnagar.com>

Ref.No. CEA/Elect/2019/

Date: 01/02/2019

To,  
The HR,  
Mapro Foods Pvt. Ltd.  
Wai, Satara.

**Industrial visit of B.E. Electrical students**

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 BE Electrical Engineering accompanied with 3 staff members. The visit may be scheduled preferably between 18<sup>th</sup> Feb to 21<sup>st</sup> Feb 2019. It is assured that there will be no disturbance in your work schedule due to visit of our students.

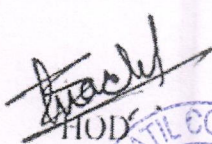
Your cooperation in this matter will be highly appreciated.

Thank you.

  
Contact Person

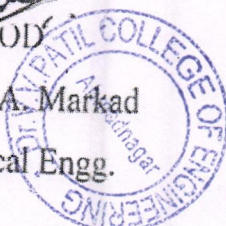
Prof. S.B. Joshi

Mob. No.- 9420743240

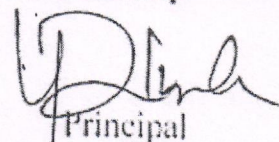
  
HOD

Prof. S.A. Markad

Electrical Engg.



Your sincerely

  
Principal

College of Engineering.

PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





Recognised by A.I.C.T.E. New Delhi

Affiliated to University of Pune ( ID.No. PU/ AN/ Engg./ 027/ (1983)

Phone : 0241 - 2777296, 2779496

**Fax : 0241 - 2777533**

E-MAIL : prin\_coca@yahoo.com

Website : <http://www.enggnagar.com>

Ref.No. CEA/Elect/2019/

Date: 01/02/2019

To,  
The HR,  
Mapro Foods Pvt. Ltd.  
Waj, Satara.

### Industrial visit of B.E. Electrical students

Sir,

Dr. Vitthalrao 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 BE Electrical Engineering accompanied with 3 staff members. The visit may be scheduled preferably between 18<sup>th</sup> Feb to 21<sup>st</sup> Feb 2019. 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.

Contact Person

Prof. S.B. Joshi

Mob. No.- 9420743340

~~Wach~~  
HOD

Prof. S.A. Markad

Electrical Engg

Yours sincerely

*[Signature]*  
Principal

College of Engineering.

Ahmednagar.

UPH  
PRINCIPAL

Dr. Vithairao Vikhe Patil  
College of Engineering  
Ahmednagar







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

# **“INDUSTRIAL VISIT OF BE (ELECTRICAL)”**

Dated on 21<sup>ST</sup> Feb & 22<sup>nd</sup> Feb 2019

ORGANIZED BY

DEPARTMENT OF ELECTRICAL ENGG.



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





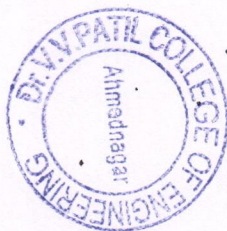
Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar.

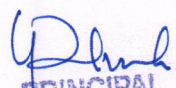
Department of ELECTRICAL ENGINEERING

**BE INDUSTRIAL VISIT.**

### Contents

- + Details of Visit
- + Background.
- + About the visit Coordinators.
- + Communication with Industries & Permission letters.
- + Program of visit
- + About Industries
- + Approach to Production.  
(Where theory meets practical knowledge)
- + Expenditure
- + Students Opinion.
- + Vote of Thanks.



  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





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

### **Details of Visit**

**Date of Visit:** 21<sup>st</sup> Feb 2019.

***Details of Industries:***

**1) Power Engineers**

**W 24/25, MIDC Gokul Shirgaon,**

**Kolhapur, Maharashtra.**

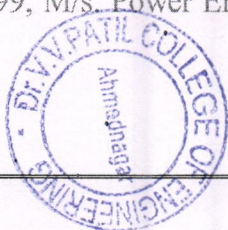
**Pin- 416234**

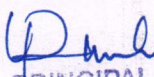
**Mail-** power.marketing@rediffmail.com

**Contact:** 9665766775

**Company Profile:**

Established, In 1977, M/s. Power Engineer was initially a proprietor y concern started by Shri M. D. Kane functioning as an ?Electrical Contractors and Consultants?. Shri. M.D. Kane served the M.S.E. Board for 15 years & resigned as an Ex.Engineer (Testing). In 1983, another activity of Service Engineering with 'Medium High Vacuum oil filtration mobile plant, has been added. Sunsequently Ultra high Vacuum mobile oil filtration plant also added to this. Several transformers, of major Industrial and agricultural L.I.S.schemes etc., in almost all the adjuscent Districts, have been services,errected and commissioned, in 11 KV, 33 KV, 110KV and 220 KV E.H.V. sub-stations. In 1989, Shri J. M. Kane, joined him as a parttrer; & soon thereafter M/s. Power Engineers started manufacturing transformer (Core-coil) Assemblies for M/s. Kirloskar Power Equipments Ltd., Pune. In 1999, M/s. Power Engineers started regular manufacturing of



  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar.

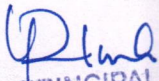
Department of ELECTRICAL ENGINEERING

BE INDUSTRIAL VISIT.

transformers of various capacities & applications under its own brand name. Today, M/s. Power Engineers, an ISO 9001 : 2000 company, is a renowned name in transformer manufacturing, confirming to quality expectations of large customer base, ranging from electricity boards, industries, EPC contractor.

Activities	Power & Distribution Transformer, Power Transformers, Constant Voltage Transformers, Distribution Transformers, Dry Type Transformers, Epoxy Coated Transformers, Hermetically Sealed Distribution Transformers, Industrial Transformers, Licensed Electrical Contractors, Oil Reclamation, Transformer Oil Filtration, Transformer Oil Filtration Plants, Transformers, Variable Voltage Auto Transformers, Distribution Transformers, Furnace Transformers, Booster Transformers, Rectifier Transformers, Fabrication	
Products	<ul style="list-style-type: none"><li>› Booster Transformers</li><li>› Distribution Transformers</li><li>› Electrical Transformers</li><li>› Industrial Transformers</li><li>› Power Distribution Transformers</li></ul>	<ul style="list-style-type: none"><li>› Constant Voltage Transformers</li><li>› Dry Type Transformers</li><li>› Hermetically Sealed Distribution ...</li><li>› Licensed Electrical Contractors</li><li>› Power Transformers</li></ul>



  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar.

**Department of ELECTRICAL ENGINEERING  
BE INDUSTRIAL VISIT.**

**Date of Visit:- 22<sup>nd</sup> Feb 2019**

**2) Mapro Food Park & Main Unit**

122, Shendurjane  
Wai-Surur Road,  
Wai 412 803.  
Dist. Satara, Maharashtra  
India

**Phone:-** 2167 222111/ 308557/ 308561

**Fax:-** 2167 222031

**Company Profile:**

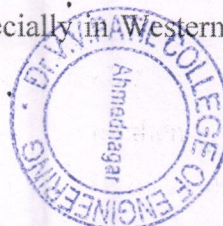
Located around the idyllic hill-town of Panchgani in Western India, Mapro Foods manufactures Fruit Jams; Fruit beverage concentrates – Crushes and Squashes; and Fruit Bars. With an annual processing capacity of around 30 thousand MT, Mapro is a market leader in Western India. Founded in 1959, The company has grown organically over the last five decades with sustained profitability.

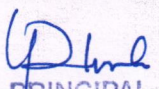
In 1959, Kishore Vora started operations in a small room, as a home business with a mutually beneficial relationship with the farmers to make strawberry jam for product sales. This eventually led to the launch of the Mapro brand in 1978.

Started the first self-owned factory in 1989 and then set up state-of-the-art cold storage at Wai, in 2005, which is capable of precooling 20 MT of fresh fruits and produce chocolate. Its food park is open for all guests looking for delicious treats.

At Mapro foods, we are obsessed with the desire to satisfy your hunger for junk food with the healthy and nutritious food. Mapro foods team is committed to provide you healthy alternatives for the food you crave for!

Started with a small food processing unit in Mahabaleshwar - Panchgani, today after 50 years, Mapro, through its constant growth and innovative mindset, has gained one of the top food processing company's position in India, especially in Western India with the annual processing



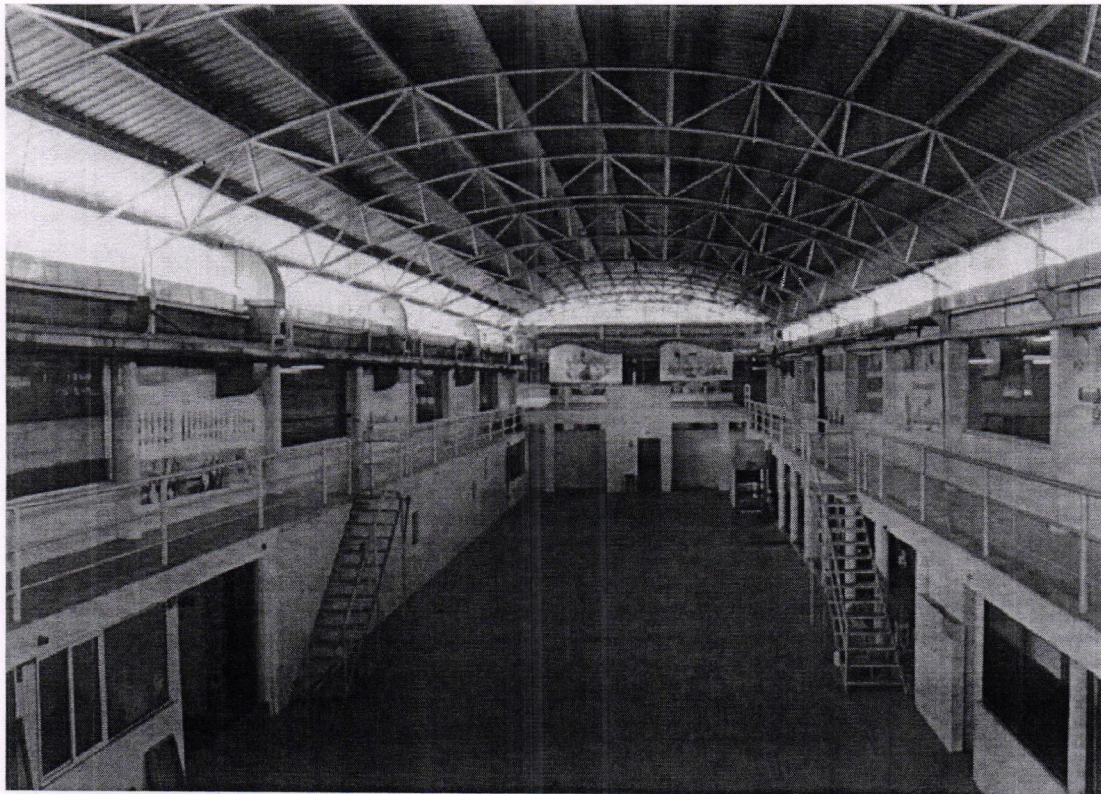
  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar






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

capacity of around 30 thousand MT. Mapro is not just a brand, it is the taste of India where every child, youth and elderly can be assured of the quality along with the taste.



  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





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

***Visit Coordinators:***

**Coordinator-**

- ❖ Prof. M. H. Nerkar.

Assistant Professor, Coordinator Electrical Industrial Visit-2018-19

**Faculties-**

- ❖ Prof. Murade G.B.  
Assistant Professor.

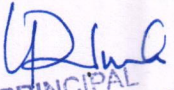
- ❖ Prof. Awaze S. K.  
Assistant Professor.

- ❖ Gaikwad A. G.

**Student Coordinators-**

- ❖ Mr. Choudhary Shubham
- ❖ Mr. Saste Suraj



  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





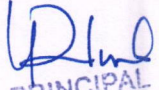
Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar.

Department of ELECTRICAL ENGINEERING  
BE INDUSTRIAL VISIT.

Communication letter/mail with Power Engineers, Kolhapur on and  
Mapro Food Products Pvt. Ltd., Wai, Mahabaleshwar

Permission Letter



  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar





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

### Students Opinion

- ✦ 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.Batule Tushar.**

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

--- **Mr.Nikam Rushikesh.**

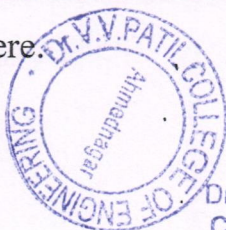
- ✦ The most I like about the visit was the conclusion of the industrial visit told by co coordinator Sir to me.

--- **Mr. Kokate Vijay.**

- ✦ It was one of the memorable visit 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 many holy places and very wonderful feelings after visiting temple. I thank our teachers for arranging such trip.

--- **Miss. Dilwale Sonali.**

- ✦ The most interesting thing about the visit was we get a chance to visit power plant from inner side. The Plant was good and we got practical knowledge there.



PRINCIPAL

Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar

--- **Mr. Patil Rahul.**





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

**Photographs:-** Power Engineers, Kolhapur



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





Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar.

**Department of ELECTRICAL ENGINEERING  
BE INDUSTRIAL VISIT.**

**Vote of Thanks**

We would like to thank our principal Dr. Uday P. Naik, PDVVP.COE, Ahmednagar, HOD Electrical engineering Department, Prof- S. A. Markad 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.

Now, special thanks to Power Engineers, Kolhapur on 21<sup>st</sup> Feb 2019 and Mapro Food Products Pvt. Ltd., Wai, Mahabaleshwar on 22<sup>nd</sup> Feb 2019 For their support and all information.

- **Industrial Visit Coordinator**



PRINCIPAL

Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar