



**Vidya-Amrut Dnyan Pratishthan's**  
**Arts, Science & Commerce College, Shirsondi**

**Tal: - Malegaon, Dist:- Nashik (423208)**

*(Affiliated to Savitribai Phule Pune University, Pune)*



## **Criterion-III:**

### **Research, Innovations and Extension**

#### **3.5 Extension Activities**

**3.5.1 The number of MoUs, collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research and other academic activities during the last five years**



ID.No. : PU / NS / ACS / 175 / 2018

Vidya-Amrut Dnyan Pratishtan Shirsondi's

# Arts, Science & Commerce College, Shirsondi

Shirsondi, Tal. Malegaon, Dist. Nashik 423 208

E-mail : va.scollege.shirsondi@gmail.com


**PRINCIPAL: Dr. Rajendra B. Dhande**  
 ( M.Com., M.Phil, Ph.D. )

Date: 06/12/2023

## DECLARATION

This is to declare that the information, reports, true copies of the supporting documents, numerical data etc. submitted/presented in the files is verified by Internal Quality Assurance Cell (IQAC) and it is correct as per the record.

This declaration is for the purpose of NAAC accreditation of HEI for the 1<sup>st</sup> cycle period 2018-19 to 2022-23.

Date: 06/12/2023

Place: Shirsondi

  
**IQAC Coordinator**  
 Arts, Science & Commerce College  
 Shirsondi, Tal. Malegaon (Nashik)



  
**Principal**  
 Arts, Science & Commerce College  
 Shirsondi, Tal. Malegaon Dist. Nashik

**List of year wise activities and exchange should be provided-**

<b>Sl. No.</b>	<b>Name of the MoU/ Collaboration / linkage /agency / institution / industry / corporate house with whom the MoU / collaboration / linkage is made, with contact details</b>	<b>Year of signing MoU</b>	<b>Duration of MOU /</b>	<b>Activity</b>	<b>Name of the MoU / Collaboration/ Linkage</b>
<b>1</b>	<b>Techeco Waste Management LLP, Gut no. 155 B/2, Village: Dhakambe, Tal: Dindori, Dist: Nashik Maharashtra</b>	<b>2022</b>	<b>5 Years</b>	<b>Field Visit</b>	<b>Techeco Waste Management LLP, Gut no. 155 B/2, Village: Dhakambe, Tal: Dindori, Dist: Nashik Maharashtra</b>
<b>2</b>	<b>MGV's Panchavati College of Management &amp; computer Science, Panchavati, Nashik, Maharashtra, India-422003</b>	<b>2022</b>	<b>5 Years</b>	<b>Intellectual Property Rights</b>	<b>MGV's Panchavati College of Management &amp; computer Science, Panchavati, Nashik, Maharashtra, India-422003</b>
<b>3</b>	<b>Creative Electronics, Ganesh Chowk, Ambad, CIDCO, Nashik-422009</b>	<b>2022</b>	<b>5 Years</b>	<b>Internship program</b>	<b>Creative Electronics, Ganesh Chowk, Ambad, CIDCO, Nashik-422009</b>
<b>4</b>	<b>Cognifront Trishala, Ramnagar , Panchawati, Nashik, Maharashtra, India.422003</b>	<b>2022</b>	<b>5 Years</b>	<b>Field Visit</b>	<b>Cognifront Trishala, Ramnagar , Panchawati Nashik, Maharashtra, India.422003</b>
<b>5</b>	<b>Epitrans Switchgear pvt. Ltd. H-142, MIDC Ambad, Nashik, Maharashtra. Inciia-422010</b>	<b>2022</b>	<b>5 Years</b>	<b>Field Visit</b>	<b>Epitrans Switchgear pvt. Ltd. H-142, MIDC Ambad, Nashik, Maharashtra. Inciia-422010</b>



Dr. U. J. Tupe invited as Resource Person at PCMCS College, Nashik on topic- “Intellectual Property Rights”





Dr. Tupe invited as resource person at MSG ASC College, Malegaon on topic “Research Methodology”



Vidya-Amrut Dnyan Pratishthan Shirsondi's  
**Arts, Science & Commerce College, Shirsondi**  
Shirsondi, Tal. Malegaon, Dist. Nashik 423 208



ID.No. : PU / NS / ACS / 175 / 2018

E-mail : va.srcollege.shirsondi@gmail.com

PRINCIPAL Dr. Rajendra E. Dhand  
( M.Com. M.Phil Ph.D. )

Date: 08/04/2023

To,

Work Manager,

Techeco Waste Management LLP,

Gut no. 155/B/2, Dhakambe, Nashik, Maharashtra 422004.

**SUBJECT: PERMISSION FOR INDUSTRIAL VISIT...**

Respected Sir,

On behalf of the VADP's, Arts, Science and Commerce College, Shirsondi, Tal- Malegaon, Dist- Nashik. I am writing this letter to you for getting your permission to conduct an industrial tour/visit at your industry. Our college affiliated under Savitribai Phule Pune University, Pune. As per the curriculum part of Savitribai Phule Pune University, the industrial visit is required for student to earn credits.

We decide to give some practical education to the students about the industrial procedure and its facility. For that, your firm is the best option to carry on such visit. In that case, we need your support. The 10 students will be the part of the trip accompanied by 02 teachers. We just take a day for this industrial trip. Please give us date and time for the same.

Please do needful help.

Thanking you.



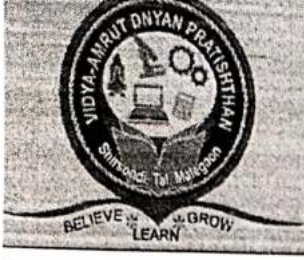
Your Faithfully,

Principal

Arts, Science & Commerce College  
Shirsondi Tal. Malegaon Dist. Nashik







Vidya-Amrut Dnyan Pratishthan's  
Arts, Science & Commerce College, Shirsondi.  
Tal: - Malegaon, Dist: - Nashik 423208.  
(Affiliated to Savitribai Phule Pune University, Pune)



## Electronics Science Department

Date: 05/04/2023

To,

Principal

Vidya-Amrut Dnyan Pratishthan's

Arts, Science & Commerce College, Shirsondi.

Tal: - Malegaon, Dist: - Nashik 423208.

**SUBJECT: PERMISSION FOR INDUSTRIAL VISIT...**

Respected Sir,

Our department is deciding to give some practical education to the students about the industrial procedure and its facility. For that, our department is organised industrial visit on 11<sup>th</sup> April 2023 at Nashik. We have planning to visit three companies namely Epitrans Switchgear Pvt. Ltd., Cognifront and Techeco Waste Management LLP. This visit might help the students in attaining good knowledge in desired fields making it easy for them to understand the practical working of the electronics. The 10 students will be the part of the trip accompanied by 02 teachers. Please give your permission for the same.

Please do needful help.

Thanking you.



Your Faithfully,

*W. H. W. P.*  
HEAD  
Dept. of Electronic Sci.  
A.S.C. College, Shirsondi.  
Tal. Malegaon Dist. Nashik





Vidya-Amrut Dnyan Pratishthan Shirsondi's

Arts, Science & Commerce College, Shirsondi

Shirsondi, Tal. Malegaon, Dist. Nashik 423 208

E-mail : va.srcollege.shirsondi@gmail.com



PRINCIPAL: Dr. Rajendra S. Dhand  
(M.Com. M.Phil. Ph.D.)

ID.No. : PU/NS/ACS/175/2018

Date: 10/04/2023

To,

The Manager,

Cognifront,

#1, Trishala, Ramnagar, Behind Mahalakshmi Theatre,

Panchawati, Nashik, Maharashtra, India-422003.

**SUBJECT: PERMISSION FOR INDUSTRIAL VISIT...**

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Please do needful help.

Thanking you.

Your Faithfully,

Principal

Arts, Science & Commerce College  
Shirsondi Tal. Malegaon Dist. Nashik





## Department of Electronics Science

### Industrial Visit

#### Attendance Record

Date: 11-04-2023

Sr. No	Name of student	Sign
1)	Aher Maturi Vasant	
2)	Nikam Kalyani Ramdas	
3)	Shewale Tejas Sathebrao	
4)	Jadhav Shubham Sanjay	
5)	Dhiraj Anil Hire	
6)	Jadhav Divesh Sanjay	

The above students and teachers were present during the industrial visit.

*Pratik* 11/4/2023

### Cognifront

1, Uma Apartment Opp. Ved Mandir  
 Near Sathey Hospital, Tribhuk Road,  
 Nashik-422 002 Maharashtra, India  
 Phone: +91 203-2311574  
 www.cognifront.com  
 info@cognifront.com



*W. P. Jeyaraj*  
 IQAC Coordinator  
 Arts, Science & Commerce College  
 Shirsondi, Tal. Malegaon (Nashik)

*W. P. Jeyaraj*  
**HEAD**  
 Dept. of Electronic Sci.  
 A.S.C. College, Shirsondi  
 Tal. Malegaon Dist. Nashik

Date: 08/04/2023

To,

Work Manager,  
Epitrans Switchgear Pvt. Ltd.  
H 142, Ambad, MIDC,  
Nashik, Maharashtra, India.  
Pin code - 422010.

**SUBJECT: PERMISSION FOR INDUSTRIAL VISIT...**

**Respected Sir,**

On behalf of the VADP's, Arts, Science and Commerce College, Shirsondi, Tal- Malegaon, Dist- Nashik. I am writing this letter to you for getting your permission to conduct an industrial tour/visit at your industry. Our college affiliated under Savitribai Phule Pune University, Pune. As per the curriculum part of Savitribai Phule Pune University, the industrial visit is required for student to earn credits.

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Please do needful help.

Thanking you.



Your Faithfully,

Principal

Arts, Science & Commerce College  
Shirsondi Tal. Malegaon Dist. Nashik



## Department of Electronics Science

### Industrial Visit

#### Attendance Record

Date: 11-04-2023

Sr. No	Name of student	Sign
1)	Aher Maturji Vasant	
2)	Nikam Kalyani Ramdas	
3)	Shewale Tejas Sahab Rao	
4)	<del>Shewale Tejas Sahab Rao</del>	
5)	Jadhav Shubham Sanjay	
6)	Dhing Anil Hire	
7)	Jadhav Divesh Sanjay	

The above students and teachers were present during the industrial visit.

IQAC Coordinator  
Arts, Science & Commerce College  
Shirsondi, Tal. Malegaon (Nashik)



HEAD  
Dept. of Electronic Sci.  
A.S.C. College Shirsondi



**Vidya-Amrut Dnyan Pratishthan's**  
**Arts, Science & Commerce College, Shirsondi**  
**Tal: - Malegaon, Dist: - Nashik 423208**  
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## **Department of Electronics Science**

### **INDUSTRIAL VISIT REPORT**

**Academic Year- 2022-23**

**Date: 11/04/2023**

A complete report on industrial visit organized by Department of Electronics Science ACS college, Shirsondi for the students of T.Y. B. Sc [SEM- VI] in order to get the practical knowledge about “Electronics applications, advanced technology used in manufacture of sophisticated tools using embedded system platforms and Artificial learning as well as some practical education to the students about the industrial procedure and its facility”

#### **AIM of Industrial Visit:**

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this- it lets student to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view. Main aim industrial visit is to provide an exposure to students about practical working environment .They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies. Technology development is a main factor, about which a students should have a good knowledge. Visiting different companies actually help students to build a good relationship with those companies. We know building relationship with companies always will always help to gain a good job in future. After visiting an industry students can gain a combined knowledge about both theory and practical. Students will be more concerned about earning a job after having an industrial visit

## **1. DETAILS OF JOURNEY:**

Department of Electronics Science had organized an industrial visit on 11 April, 2023 to Nashik for the students of T. Y. B. Sc. During this journey we were visited to three companies namely Epitrans Switchgear Pvt. Ltd., Cognifront Pvt. Ltd., and Techeco Waste Management LLP located at Ambad, Panchavati and Dhakambe respectively. We also visited one pathology lab situated at Panchavati, Nashik. The visit was organized by HOD of Electronics Science department Dr. Umesh J. Tupe & Miss. Mohini P. Patil were the co-ordinators Faculty for the industrial visit. We started travelling from the college campus at 07:30 am via our college private car. Totally 07 students along with 2 coordinators faculty were there in the journey.

## **2. COMPANIES PROFILE**

### **1. Epitrans Switchgear Private Limited**

**Address:** Plot No. H-142, MIDC, Ambad, Nashik - 422010, Maharashtra, India.

Epitrans Switchgear Private Limited is a promising manufacturer of Outdoor Oil Cooled Current Transformer, Indoor Gun Type Potential Transformer & Outdoor Dry Type Resin Cast Potential Transformer, etc. This giant company is making use of secured road connectivity for shipping class-leading transformers to distant and nearby locations.

### **Production Excellence**

Transformers are indispensable in the modern world. The quality-leading device relies on magnetic field action for an attempt to alter ac electric energy from one voltage level to the other voltage level. We are one of the many companies that is manufacturing transformers in varied configurations for satisfying needs of the customers. Epitrans Switchgear Private Limited works as a transformer manufacturer & service provider in the market, supplying budget-friendly solutions. This company owns an epoxy plant that holds capacity to bring out 550 products in a month. The process of casting is carried out making fine utilization of a single process in a vacuum. The oil-cooled product line has capacity such as 33kv-250 units and 11kv-700 units per month.

Company web site- <https://www.epitransswitchgear.com/>

Product details of Company-

<https://www.epitransswitchgear.com/potential-transformer.html>

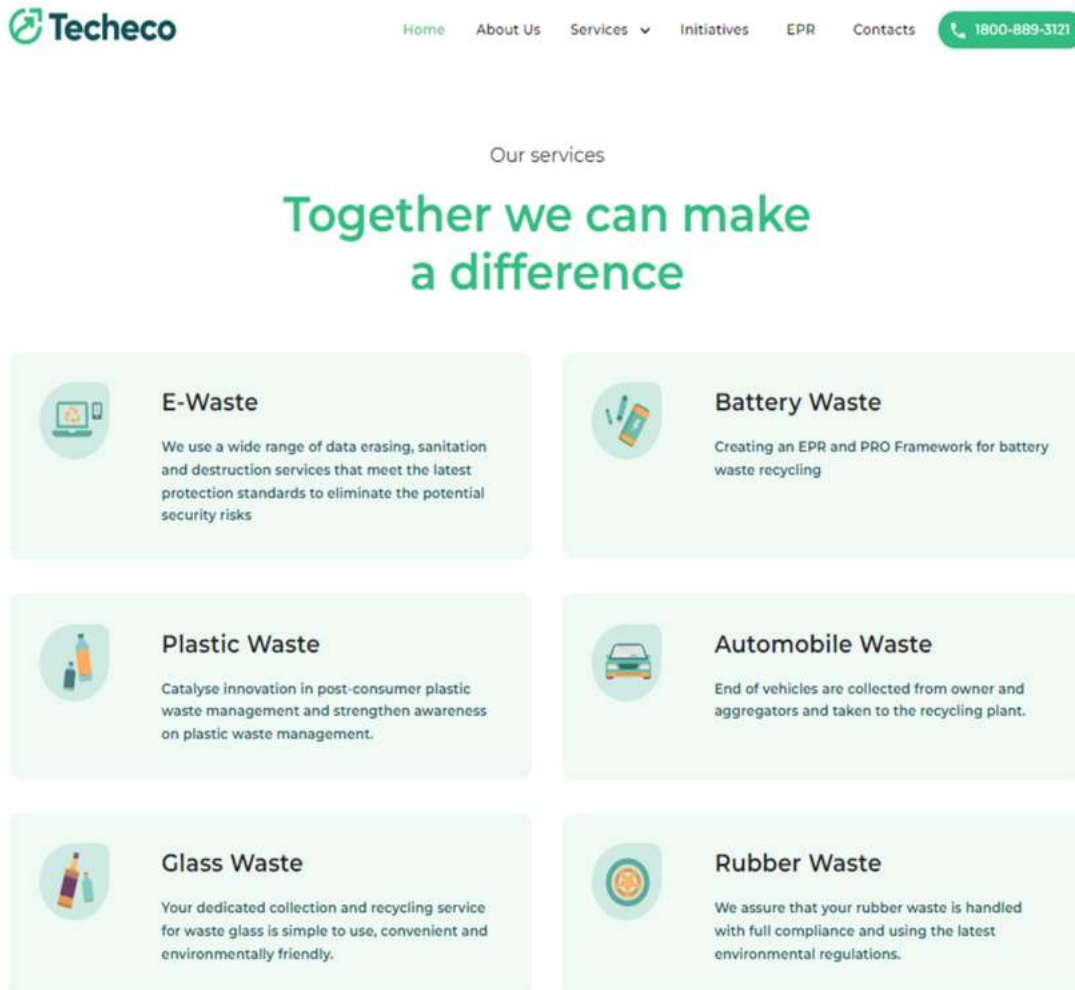
## 2. Techeco Waste Management LLP:

**Address:** Gut no. 155 B/2, Village: Dhakambe, Tal: Dindori, Dist: Nashik Maharashtra, India.

Techeco was founded in 2018 with a strong focus on bringing waste management infrastructure, recycling and upcycling services across India. Techeco envisions a sustainable future that is inclusive, responsible and climate-conscious. Recycling raw materials from end-of-life electronics is the most effective solution to the growing e-waste problem. When depleted batteries are tossed into the trash, they end up in landfills where they decay and leak.

**Website:** <https://techeco.co.in/>

The following work is done by Techeco.



The screenshot shows the Techeco website's 'Our services' page. The header includes the Techeco logo, navigation links for Home, About Us, Services, Initiatives, and EPR, and a contact number 1800-889-3121. The main heading reads 'Together we can make a difference'. Below this, six service cards are displayed in a 3x2 grid:

- E-Waste:** We use a wide range of data erasing, sanitation and destruction services that meet the latest protection standards to eliminate the potential security risks.
- Battery Waste:** Creating an EPR and PRO Framework for battery waste recycling.
- Plastic Waste:** Catalyse innovation in post-consumer plastic waste management and strengthen awareness on plastic waste management.
- Automobile Waste:** End of vehicles are collected from owner and aggregators and taken to the recycling plant.
- Glass Waste:** Your dedicated collection and recycling service for waste glass is simple to use, convenient and environmentally friendly.
- Rubber Waste:** We assure that your rubber waste is handled with full compliance and using the latest environmental regulations.

### **3. Cognifront:**

**Address:** #1, Trishala, Ramnagar, Behind Mahalakshmi Theatre, Panchawati, Nashik 422003, Maharashtra, Bharat (India).

Cognifront delivers industrial technology solutions to customers that include BOSCH, CEAT, and AutoDESK. Cognifront also develops excellent eTeaching Tools used by IIT Madras, IIT Guwahati, Don Bosco University, University of Oslo in Norway, IIT Bombay, IIT Patna, University of Nairobi in Kenya, NIT Surat and such 100+ institutions in India and abroad. Cognifront's innovative low cost IoT kit is used by 20+ institutions. Cognifront also offers certificate courses in Machine Learning, Deep Learning, IoT that are highly recognized in industry and have placed more than 150 students in academic year 2019-2022 at top companies that include Infosys, Cognizant, Zensar, Deloitte and TCS (Tata Consultancy Services)

**Website:** <https://www.cognifront.com/>.

### **4. GROUP OBSERVATION:**

This Industrial visit is very helpful in our future practical Life & bring a positive change in our thinking & practical behavior regarding Education & specializing our technical skills.

- Got practical knowledge about the advancement in technology using electronics.
- Use of programming in field of electronics engineering or real life applications.
- Information about different parts & use of transformers with multiple manufacturing tools.
- Need of –waste for sustain development of ecology.
- Different types of machines available for recycles of e waste
- Management of manpower in the industry
- Information of different methodologies like machine learning, artificial intelligence, Internet on things, deep learning used in many areas.

## 5. Photos of Visit:

### 1. Cognifront:



Mrs. Tiwari madam gives information regarding automation and IoT



Dr. Tupe delivered his speech on robotics and future opportunities in automation



Group photo at Cognifront with students and Mrs. Tiwari madam



Signed MoU with Cognifront

## 2. Techeco Waste Management LLP:



Group photo at Techeco with students



Group photo at Techeco with students and manger Miss. Pooja



Group photo at Epitrans Switchgear Private Limited with Electrical engineer Mr. Prashant



Mr. Prashant giving information of testing of developed coils of transformers



Signed MoU with Epitrans Switchgear Private Limited (Director-Mr. Bendale)

#### 4. Om Sai Pathology Lab:



Mr. Sachin Gambhire explained the working of different test analysis system working and Group photo at Om Sai Pathology Lab

#### 6. CONCLUSION:

Students got the knowledge on different types of digital platforms available in the market for automation as well as construction and various applications of transformers. Pupils got informative & wonderful experiences of visiting different industries. Also Students were aware about the impact of e-waste on environment and how e-waste is recycled.



*W. J. P. S.*  
**HEAD**  
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*R. S. S.*  
**PRINCIPAL**  
ARTS, SCI. & COMM. COLLEGE  
Shirsondi, Tal. Malegaon (Nashik)

*W. J. P. S.*  
**IQAC Coordinator**  
Arts, Science & Commerce College  
Shirsondi, Tal. Malegaon (Nashik)

# Vidya-Amrut Dnyan Pratishthan's Arts, Science, and Commerce College, Shirsondi, Tal. Malegaon, Dist. Nashik- 423208. **Department of Electronics Science** Industrial Visit (Date- 11.04.2023)

7 responses

[Publish analytics](#)

## Name of student

7 responses

Tejas Sahebrao Shewale

Dhiraj Anil Hire

Kalyani ramdas nikam

Bhalerao Shubham Bhalerao

SHUBHAM SANJAY JADHAV

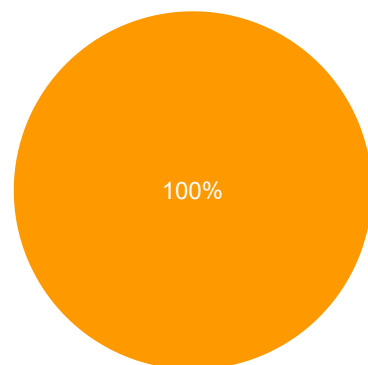
Ashwini hiray

Aher mayuri vasant

## Class

 Copy

7 responses



- F. Y. B. Sc
- S. Y. B. Sc
- T. Y. B. Sc



## Name of the Department

7 responses

Tejas Sahebrao Shewale

ELECTRONICS SCIENCE

Electronic

BSC Electronics

ELECTRONIC SCIENCE

bsc electronics

electronic

## Mobile Number

7 responses

07385124069

9022095629

9561668488

8208961280

7083661671

9987628289

7276070496



### Students email (Note-Certificate will provide on this email)

7 responses

Shewaletejas882@gmail.com

dhirajh2391@gmail.com

Ramdasnikam735. @ gmail. Com

bhaleraoguddu@gmail.com

jsshubham1254@gmail.com

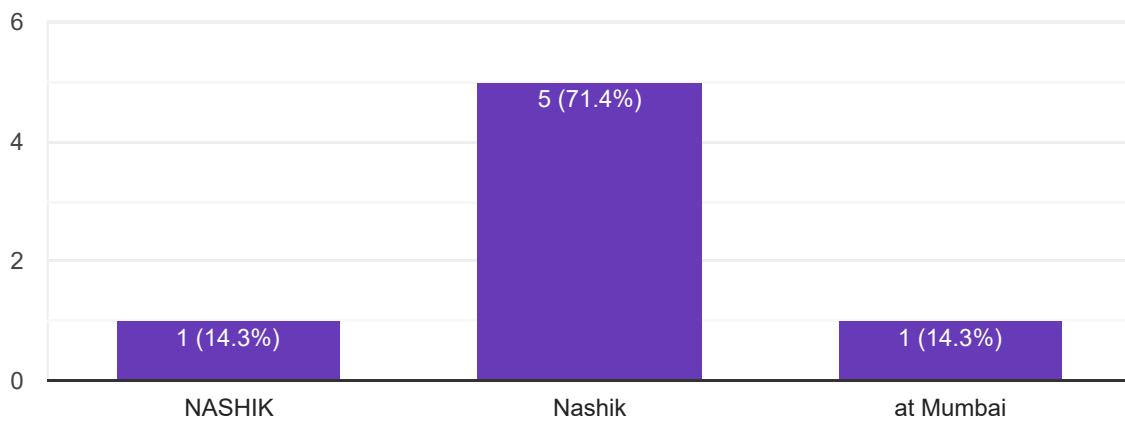
ashuhiray@gmail.com

mayuriaher347@gmail.com

### Place where visited

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7 responses

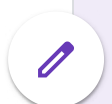
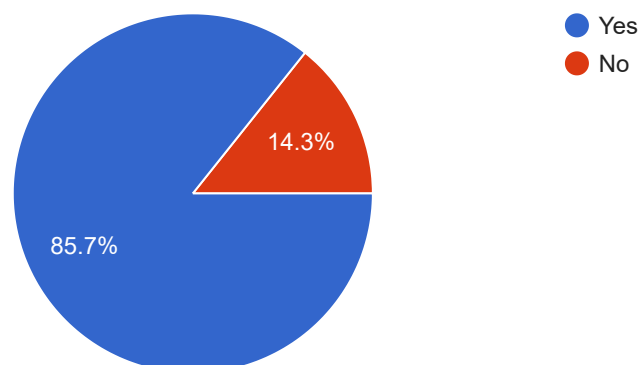


### Feedback of Industrial Visit (Students)

#### Q.1 Is your practical knowledge is increased by this industrial visit?

 Copy

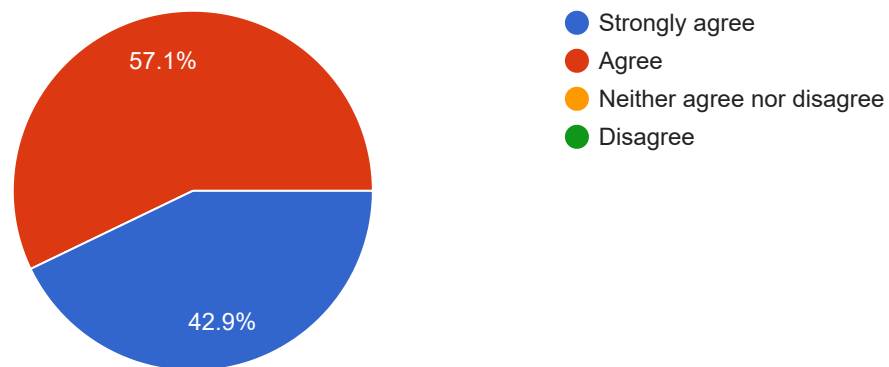
7 responses



Q. 2 The visit was well organized.

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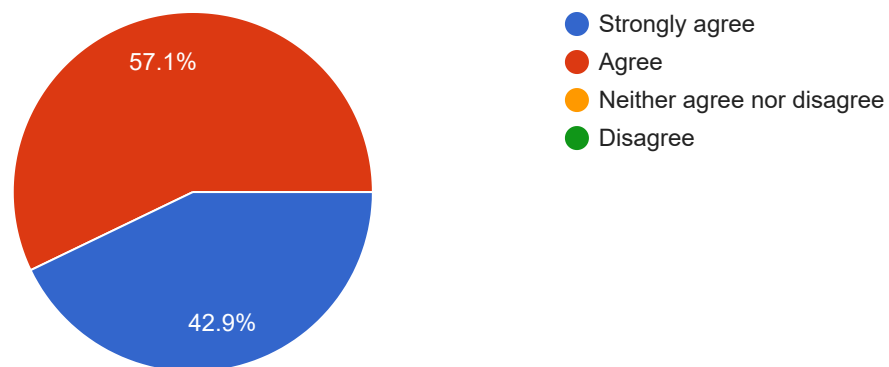
7 responses



Q. 3 The location selected was appropriate to meet the stated objectives.

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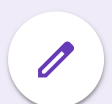
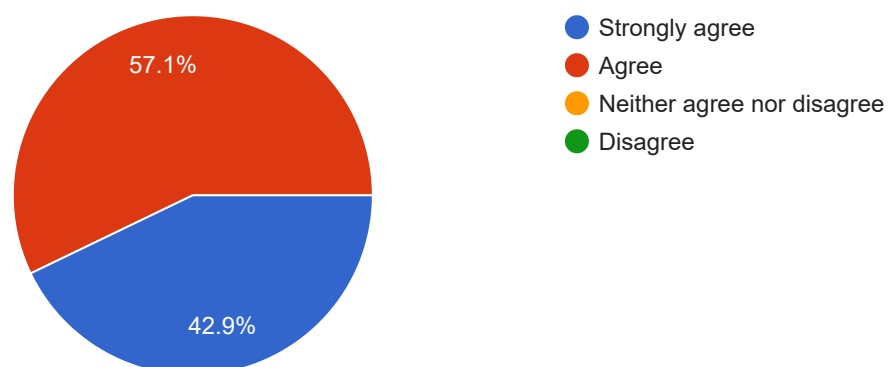
7 responses



Q. 4 A teachers accompanied the students.

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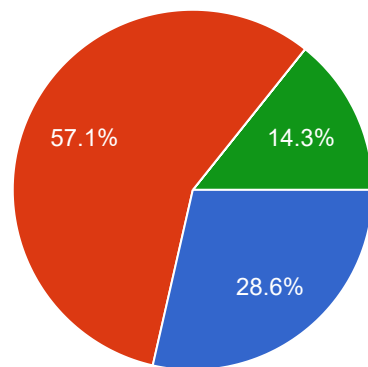
7 responses







Q. 5. The Teacher/Industrial Person discussed subject matter during the visit

 Copy

7 responses

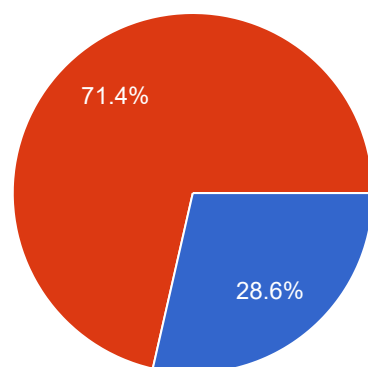






-  Strongly agree
-  Agree
-  Neither agree nor disagree
-  Disagree

Q. 6. The Teacher/Resource Person was responsive to student questions during the visit.

 Copy

7 responses

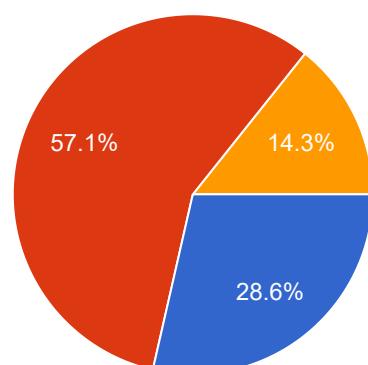






-  Strongly agree
-  Agree
-  Neither agree nor disagree
-  Disagree

Q. 7. The Teacher/Resource Person encouraged student participation

 Copy

7 responses



-  Strongly agree
-  Agree
-  Neither agree nor disagree
-  Disagree



### Q. 8 What you learn form this industrial visit?

7 responses

So much practical knowledge about electronics

My motive to attend this visit is to understand how it works, the industry. And I think I learnt more than that in this one day visit. Thank you.

Midc epitrans switch gar

We learned a lot there. We got a lot of inspiration to get jobs after graduation

They get to have interactions with them and learn industry-specific workings and wisdom, eventually leading the students to understand better management skills, leadership skills, team player attitude, etc

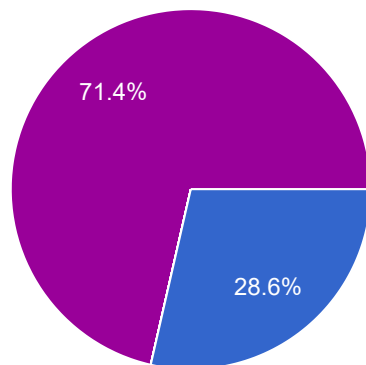
We learned lot of new things which will help us






Student gate to learn many new thing

### Q.9 Among the following company which one is provided to you much more practical approach?

 Copy

7 responses



-  Epitrans switchgear pvt. ltd.
-  cognifront
-  Techeco Waste Management LLP
-  Om Sai pathology lab
-  All



### Q. 10. What you learned from Epitrans switchgear pvt. ltd.

7 responses

How to use stitches

How power electronics components are made i.e Power Transformer

Midc

Lots of things.

Electricity Boards and Panels Power Distribution Generator Heavy Engineering

About innovation, design, energy efficiency , performance

Epitrans switchgear pravite limited work as a transformer manufacturers and sarvise

### Q. 11. What you learned from Cognifront.

7 responses

Robotic knowledge

Practical and real life application of iot

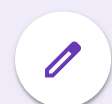
Kalyani

Lots of things.

Cognifront has added so much value to my knowledge in Machine Learning and IOT

Lot of things.

Ltd is the fastar growing manufacturers and suppliers firl dealing is outstanding quality



Q. 12. What you learned from Techeco Waste Management LLP.

7 responses

Waste management is also the main factor in electronic

How to make money from garbage

Yes

Lots of things.

The recycling of e-waste serves a lot of useful purposes. For instance, include protecting human and environmental health by keeping those devices out of landfills. Or recovering the parts within the devices that still have value, and providing manufacturers with recycled metals that can be used to make new products.

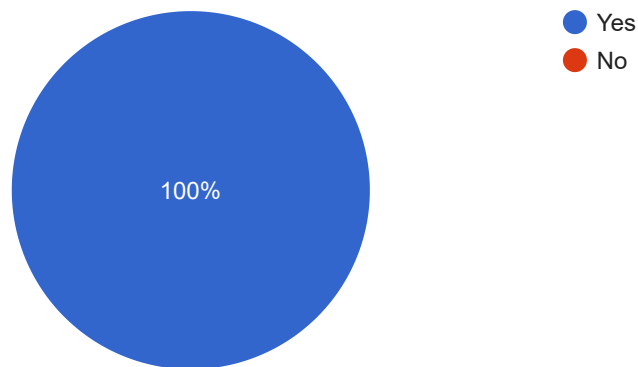
Many things

LLP provide comprehensive complete and responsible recycling

Q. 13. The visit was technology oriented and timely.

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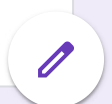
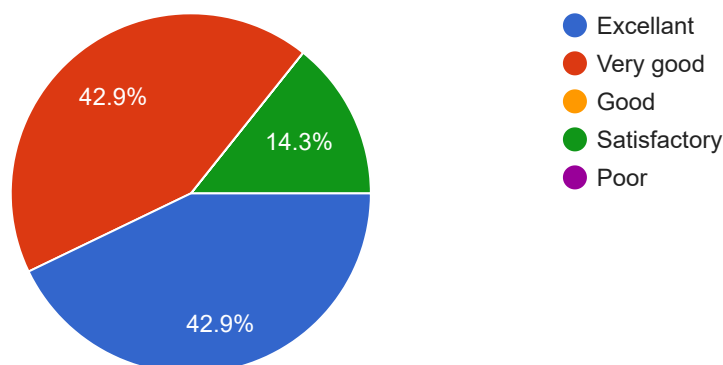
7 responses



Q.14. The overall grading of the industrial visit or study tour.

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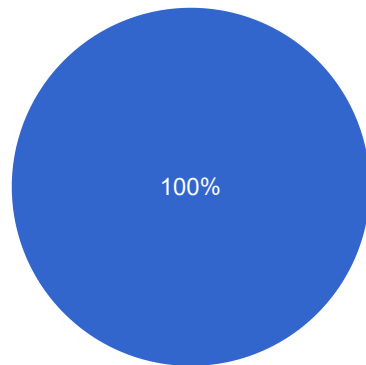
7 responses



Q. 15. You recommend this field visit to be continued.

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7 responses



● Yes  
● No

Any suggestion

6 responses

No

Nothing Everything Is Well Managed


Everything is good

There should be more visits.

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