



# **Yashwantrao Chavan College of Science, Karad**

## **Department of Electronics**

### **Industrial Visit -2019-20**

**Class – B.Sc.III**

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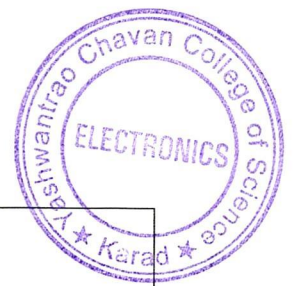
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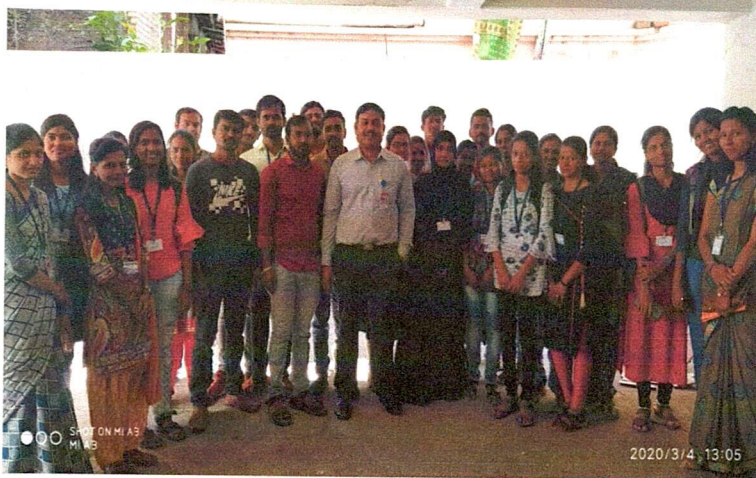
**HOD**


Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad

**Principal**

Yashwantrao Chavan College of Science, Karad



Yashwantrao Chavan College of Science, Karad	
ACTIVITY REPORT	
Name of the Department: Electronics	Academic Year – 2019-20
Name of the activity	Industrial Visit at Digitech Elevator, Karad.
Purpose of Program	To collect information of Elevator system.
No. of Students Participated	25
No. of Teachers Participated	03
Program outcomes	Students collected data about the elevator's operation. The control panel, AC geared motor, voltage variable frequency controller, microcontroller, reed switches, SMPS, and display are some of the components of the elevator that have been researched.
Program Photo	

  
Teacher In charge

  
Signature  
Head of the Department

  
Signature  
Principal

**HEAD**  
Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad

**Principal**  
Yashwantrao Chavan College of Science, Karad





Estd. 1958

|| Be One with the downtrodden and the underprivileged ||  
Shri Shivaji Education Society Karad, Board For Higher Education's

## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara ( Maharashtra)

☎ 02164 - 271356, Fax : 02164-271356, e-mail : ychavan@bsnl.in, prinyccsk@gmail.com

Reaccredited B Level by NAAC, Bangalore

AN ISO 9001-2008 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref No. /19-20

Date:- 04/03/2020

To,

The Manager,

Digitech Elevator,  
Vidyanagar, Karad.

Subject: Permission for industrial visit.....

Respected Sir,

With reference to your telephonic discussion with Shri. Mulla A. A., students of B.Sc. III (Electronics) wish to visit Digitech Elevator working site Lahotinagar, Malkapur on Tuesday, 04, March 2020. The number of students visiting will be twenty nine with three teachers.

Please allow us for visit.

Thanking you for your cooperation.

Yours faithfully,

Attachment

1. Students and teachers list

**Principal**

Yashwantrao Chavan College of Science, Karad







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Ref: /2019-20

Date: 04.03.2020

To,  
The Manager,  
Digitech Elevator,  
Vidyanagar, Karad.

Subject: Industrial Visit on March 04, 2020.


Respected Sir,

With your permission, our students of B.Sc. III (Electronics) class along with staff had visited your factory on Tuesday, 04, March 2020. They received valuable information about Hydraulic Elevator system with their construction, testing and installation method.

We are very much thankful to you for allowing our students for the visit, availing information and encouraging them in the given field. Looking forward to similar cooperation in future also.

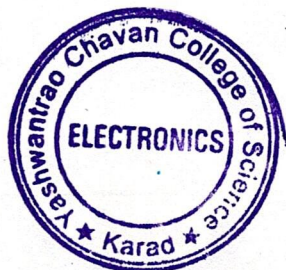
Thanking you, with regards,

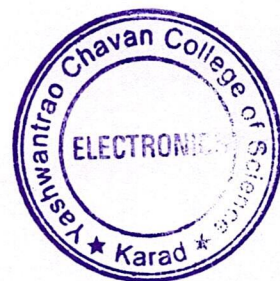
Yours faithfully,



**Principal**

Yashwantrao Chavan College of Science, Karad





## Yashwantrao Chavan College of Science, Karad

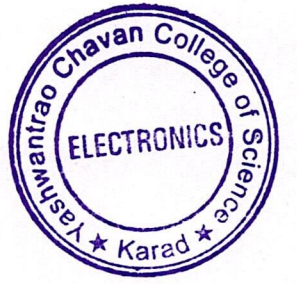
### DEPARTMENT OF ELECTRONICS

#### List of Student B.Sc.III (2019-20 )


Industrial Visit to Digit-tech Elevators ,Karad –Saidapur ,Eagle Height

Sr.No.	Roll No	Name	class
1	3021	Atkare Akash Baghwan	B.Sc . III
2	3022	Chavan Asvini Mohan	B.Sc . III
3	3023	Chavan Shridhar Dipak	B.Sc . III
4	3024	Desai Omkar Sayajirao	B.Sc . III
5	3025	Deshmukh Rutuja Sampat	B.Sc . III
6	3026	Dhum al Anuradha Sayajirao	B.Sc . III
7	3027	Jadhav Kalyani Rajaram	B.Sc . III
8	3028	Kadam Vikrant Vasant	B.Sc . III
9	3029	Kamble Vikrant Jayant	B.Sc . III
10	3030	Kazi Shanno Iqbal	B.Sc . III
11	3031	Kumbhar Shubham Pralhad	B.Sc . III
11	3032	Mali Akash Prakash	B.Sc . III
12	3033	Mali Vidya Yashwant	B.Sc . III
13	3034	Etne Shubham Bajirao	B.Sc . III
14	3035	More Rutuja Navnath	B.Sc . III
15	3036	Nikam Ashwini Sambaji	B.Sc . III
16	3037	Nikam Kranti Sanjay	B.Sc . III
17	3038	Pathan Ayesha Asif	B.Sc . III
18	3039	Patil Sonali Jaywant	B.Sc . III





19	3040	Patil Sunita Ankush	B.Sc . III
20	3041	Pawar Pranita Prakash	B.Sc . III
21	3042	Pawar Sarikha Shankar	B.Sc . III
22	3043	Pawar Shital Ashok	B.Sc . III
23	3044	Ranmale Pooja Bharat	B.Sc . III
24	3045	Sanlunkhe Sanchita Uddhav	B.Sc . III
25	3046	Sawant Ketan Dipak	B.Sc . III

  
HOD

  
Principal

**Principal**

**Yashwantrao Chavan College of Science, Karad**

# Industrial Visit

## Report



Department of Electronics arranged industrial visit on 4<sup>th</sup> March 2020. The aim of the visit was to collect information regarding Elevator system.

As per program, we visit a elevator manufacture company the Digitech Elevator at 12:30 pm. The manager of the company Shri Mahesh Chavan Manager, Digitech Elevator shared the information of the Elevator system. An elevator system is an example of the mechatronics applications consist both the mechanical as well as electronics parts. As per electronics parts concern a lift consists control panel, AC geared motor, voltage variable frequency controller, reed switches, SMPS and display.

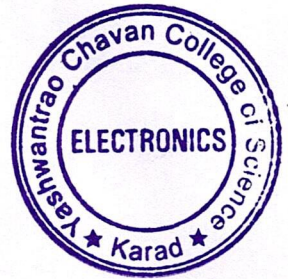
In main control unit consists microcontroller 89C51, which is used to control all the operation of the lift. It accept the input from the push button or reed relay according to rotate the motor. There are five switches are used in lift P, 1,2,3 and 4 for parking, first floor, second floor, third floor and fourth floor respectively.

Reed switches are normally open type of the contact. It is used for indicating current position of the lift. The LED matrix is used for indication of current lift position and direction. AC geared motor is used for moving lift up or down.

A backup supply for the whole system is given by using 1KVA inverter with 24V, 150 AH battery.

A microcontroller based system required a +5V supply which is developed by using step down transformer, high power bridge, capacitor filter circuit and IC LM7805. S





**YASHWANT RAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF ELECTRONICS**


**CERTIFICATE**


***Industrial Visit 2019-20***

This is to certify that Mr./Miss. pawar pratiksha prakash


of B.Sc. III class participated in the Industrial Visit organized by Department of Electronics to visit Digitech Elevator, Vidyanagar, Karad.

He/She has submitted his/her industrial visit report on 4<sup>th</sup> March 2020.

  
Tour In-charge

  
HOD

**HEAD**  
Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad

  
**Principal**  
Yashwantrao Chavan College of Science, Karad





### Industrial Visit Report

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**DEPARTMENT OF ELECTRONICS**

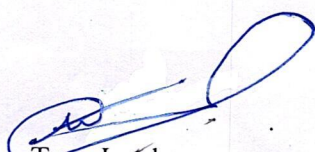
**CERTIFICATE**


*Industrial Visit 2019-20*

This is to certify that Mr./Miss. Mali Vidya Yashwant

of B.Sc. III class participated in the Industrial Visit organized by Department of Electronics to visit Digitech Elevator, Vidyanagar, Karad.

He/She has submitted his/her industrial visit report on 4<sup>th</sup> March 2020.

  
Four In-charge

  
HOD

**HEAD**  
Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad

  
Principal

Yashwantrao Chavan College of Science, Karad



# Yashwantrao Chavan College of Science, Karad

## Department of Electronics

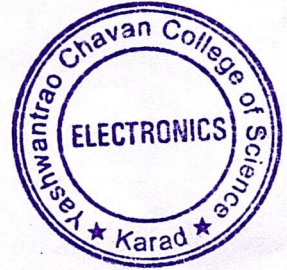
### Feedback form

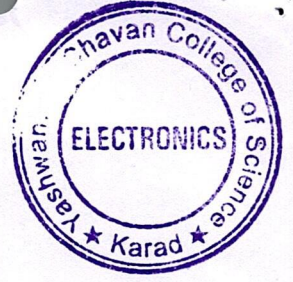
Name of the Activity – Industrial Visit B.Sc. III Digit-tech Elevator, Karad, Saidapur  
Name of the Student: Atkare Akash Bhagwan Eagle Height  
Class: B.Sc-III Roll No: 3021

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Industrial Visit was Held Organized			✓		
2	The location Selected was Appropriate to meet Started object.		✓			
3	Industrial expert was responsive to the Students dump Visit.			✓		
4	Higher recommend the Field visit to be continued .	✓				
5	Over all Departmental co-operation & management .	✓				

Date : 4-3-2020

Sign.





**Yashwantrao Chavan College of Science, Karad**

**Department of Electronics**

**Feedback form**

Name of the Activity – Industrial Visit B.Sc. III digi-tech Elevators Karad Saihpar Eagle Light

Name of the Student: Mali Vidya Yashwantrao

Class: B.Sc.-III Roll No. 3033

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Industrial Visit was Held Organized					
2	The location Selected was Appropriate to meet Started object.					
3	Industrial expert was responsive to the Students dump Visit.					
4	Higher recommend the Field visit to be continued .					
5	Over all Departmental co-operation & management .					

Date 4-03-2020

Sign. Mali V.Y



Yashwantrao Chavan College of Science, Karad

Department of Electronics

Feedback form



Industrial Visit at Digi-tech Elevator Karad, Saidapur, Eagle Height  
Name Pawar Pranita Prakash of the Student:

Class: BSC-III Roll No. 3041

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Organization of Industrial Visit	✓				
2	Location selected for the industry visit/study		✓			
3	The response of Industrial expert		✓			
4	Encouragement for the startup			✓		
5	Over all Departmental co-operation & schedule management		✓			

Date 4/03/2020

Sign. P.P. Pawar





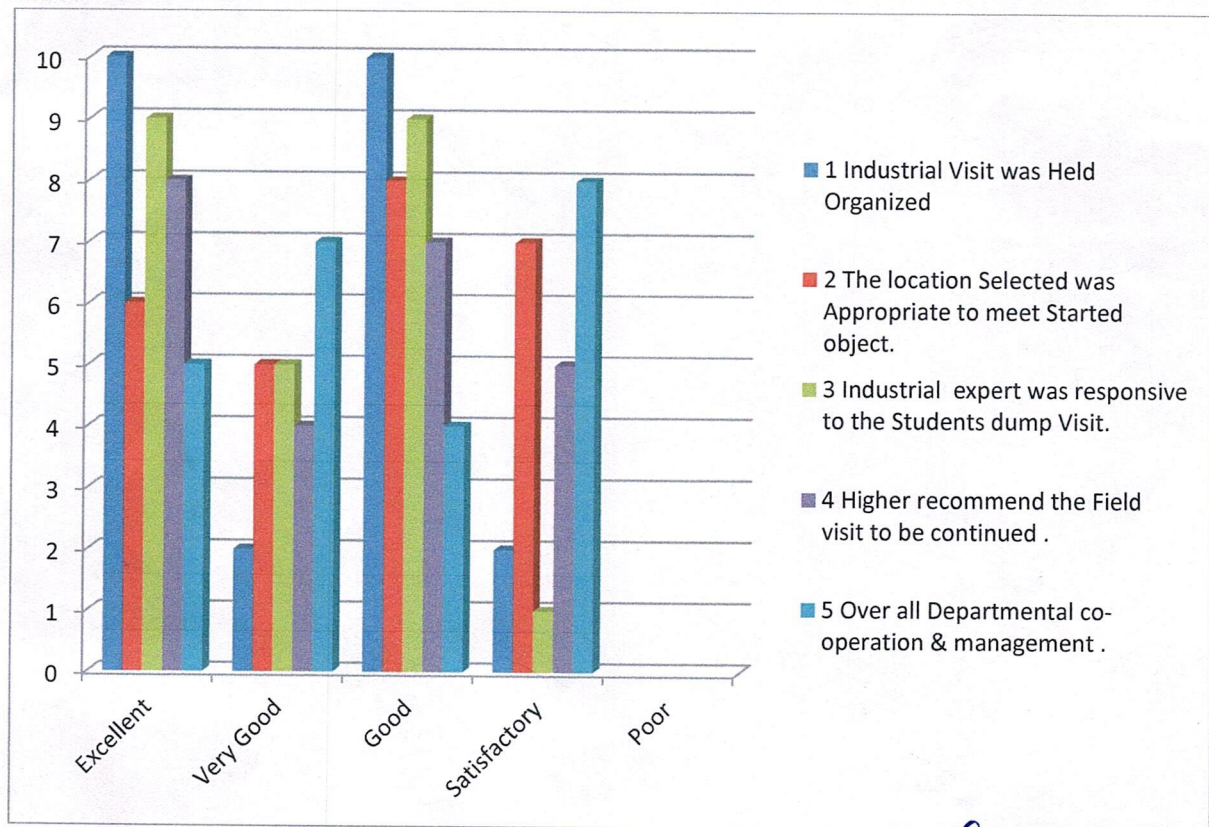
## Yashwantrao Chavan College of Science, Karad

### Department of Electronics

#### Feedback form

Year (B.Sc. III) 2019-20

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Industrial Visit was Held Organized	20	2	1	2	
2	The location Selected was Appropriate to meet Started object.	10	6	4	5	
3	Industrial expert was responsive to the Students dump Visit.	15	5	1	5	
4	Higher recommend the Field visit to be continued .	18	2	1	4	
5	Over all Departmental co-operation & management .	10	3	10	2	



*[Signature]*

**HEAD**  
Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad

*[Signature]*

**Principal**  
Yashwantrao Chavan College of Science, Karad