



**Yashwantrao Chavan College of Science, Karad**

**Department of Electronics**

**Study Tour : B.Sc. II & B.Sc. III**

**Academic Year: - 2024-25**

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**HOD**

Department of Electronics  
Yashwantrao Chavan College Of Science, Karad

**Principal**

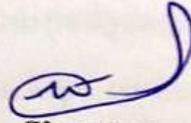
Yashwantrao Chavan College of Science, Karad

# Yashwantrao Chavan College of Science, Karad

## ACTIVITY REPORT

Name of the Department: Electronics	Academic Year – 2024-25
	Date - 25/02/2025
Name of the activity	B.Sc. II & B.Sc. III Study Tour
Purpose of Program	To help students learn through experience, develop skills and gain knowledge about lighthouse.
No. of Students Participated	17
No. of Teachers Participated	03
Program outcomes	<p>Students explored the interior of lighthouse learned about its history and function.</p> <p>In that they learned how stepper motor works in lighthouse as well as how 8051 microcontroller work in lighthouse.</p> <p>Learned about working and importance about Radar System.</p>
Program Photo	

  
Teacher In charge

  
Signature  
Head of the Department  
Department of Electronics  
Yashwantrao Chavan College Of Science, Karad

  
Signature  
Principal  
Yashwantrao Chavan College of Science, Karad

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

UDISE Code - 27310207715 Index No. - J 21.02.002

Accredited A<sup>+</sup> Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Hon. P. D. Patilsaheb  
President up to 17<sup>th</sup> September 20

Dr. Suryakant Babu Kengar  
Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil  
President, MLA

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla  
General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

## Department of Electronics

### Study Tour Program - 2024-25

Date:-25.02.2025

Day: Tuesday

- 1) Name of the Department :- Electronics
- 2) Class and Subject for which tour arranged :- B.Sc II and B.Sc. III(Electronics)
- 3) No. of students accompanying:- 17 (12 Boys and 5 Girls) + 01 boy.  
Students List is enclosed hearwith
- 4) Place of visits and approximate distance of traveling  
Places :- Anjanwel Light House, Anjanwel  
Distance :- 350 km(approx.)
- 5) Date of Departure and arrival :- 25/02/2025 (One day)
  - a) Gathering of student and staff :- 6.00 am
  - b) Departure from Karad :- 6:30 am
  - c) Lunch :- 12.00 pm to 1.00pm
  - d) Anjanwel Light House:- 2.00-3.30 pm
  - e) Guhagar Beech Visit : 4:00 - 4:30 pm
  - f) Departure for Karad- 4.30 pm
  - g) Dinner @Sneh Hall, Patan:- 7.30 pm to 8.30pm
  - h) Arrival at Karad:- 9.30pm
- 6) Mode of journey :- Private Vehicle
- 7) Name of the Staff accompanying tour:- Dr A. A. Mulla  
Smt. A. A. Chalke  
Smt. B. D. Banhatti
- 8) Name of non teaching staff accompanying tour if required :- No

Minor Changes in time schedule is admissible as per the situation occurs at places.

Tour in-Charge

HOD

HEAD

Department of Electronics

Yashwantrao Chavan College of Science,  
Karad

Principal

Principal

Yashwantrao Chavan College of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

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Dr. Suryakant Babu Kengar  
Principalon. Shamrao Alias Balasaheb Pandurang Patil  
President, MLA  
Shri Shivaji Education Society's, Board for Higher Education, KaradHon. Altafhusen Nasiruddin Mulla  
General Secretary,  
Shri Shivaji Education Society's, Board for Higher Education, Karad**DEPARTMENT OF ELECTRONICS****Study Tour - 2024-25****List of Participants****Route : Karad- Chiplun - Guhagar- Anjanwel Date : 25.02.2025**

Sr.No	Roll No.	Student Name	Class
1	2002	Chavan Pratiksha Sampat	B.Sc. II
2	2003	Dhumal Shravani Kishor	B.Sc. II
3	2010	Mandave Sakshi Santosh	B.Sc. II
4	2011	Nadageri Laxman Maryappa	B.Sc. II
5	2013	Patil Somesh Sanjay	B.Sc. II
6	2014	Qureshi Alam Imtiyaz	B.Sc. II
7	2252	Sutar Praveen Ratan	B.Sc. II
8	3131	Ghadge Shivaji Satish	B.Sc.III
9	3132	Kashid Dhanashri Gurunath	B.Sc.III
10	3133	Nande Vishwajeet Abaso	B.Sc.III
11	3134	Pawar Anjali Ganpat	B.Sc.III
12	3136	Pisal Siddhesh Dipak	B.Sc.III
13	3138	Reur Sufian Mohammad	B.Sc.III
14	3139	Mali Omkar Mahadev	B.Sc.III
15	3140	Thorat Rohan Dadaso	B.Sc.III
16	3141	Yadav Suraj Arun	B.Sc.III
17	3142	Chavan Harsad Subhash	B.Sc.III
18	-	Dr. Asif Abbas Mulla	Staff
19	-	Smt. Akansha Arun Chalke	Staff
20	-	Smt. Farheen Dawood Banhatti	Satff

21 2004 Dixit Akshay Annabo B.Sc.II

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**

**Study Tour – 2024-25**

**Declaration**

**We are travelling in electronics study tour in our own risk.**

**Tour Date : 25/02/2025**

Sr. No	Roll No.	Student Name	Class	Student Mob. No	Parents Mob. No	Sign
1	2002	Chavan Pratiksha Sampat	B.Sc. II	7030782506	9921131049	<i>Pratiksha</i>
2	2003	Dhumal Shravani Kishor	B.Sc. II	9699396316	9096089601	<i>Shravani</i>
3	2010	Mandave Sakshi Santosh	B.Sc. II	7620835768	9881178853	<i>Santosh</i>
4	2011	Nadageri Laxman Maryappa	B.Sc. II	8805750707	8237570671	<i>Maryappa</i>
5	2013	Patil Somesh Sanjay	B.Sc. II	8766056291	9421675902	<i>Somesh</i>
6	2014	Qureshi Alam Imtiyaz	B.Sc. II	9284726877	7767067289	<i>Alam</i>
7	2252	Sutar Praveen Ratan	B.Sc. II	8766011961	7350248874	<i>Praveen</i>
8	3131	Ghadge Shivaji Satish	B.Sc.III	9022352822	9022352822	<i>S.S. Ghadge</i>
9	3132	Kashid Dhanashri Gurunath	B.Sc.III	9226730873	9673674159	<i>Dhanashri</i>
10	3133	Nande Vishwajeet Abaso	B.Sc.III	8788495849	7758811352	<i>Vishwajeet</i>
11	3134	Pawar Anjali Ganpat	B.Sc.III	8263960060	7666141672	<i>Anjali</i>
12	3136	Pisal Siddhesh Dipak	B.Sc.III	8767849290	7109235290	<i>Siddhesh</i>
13	3138	Reur Sufian Mohammad	B.Sc.III	9028332868	9423262429	<i>Sufian</i>
14	3139	Mali Omkar Mahadev	B.Sc.III	8856990283	8999490734	<i>Omkar</i>
15	3140	Thorat Rohan Dadaso	B.Sc.III	9130465487	9881559842	<i>Rohan</i>
16	3141	Yadav Suraj Arun	B.Sc.III	8010499473	7057352382	<i>Suraj</i>
17	3142	Chavan Harsad Subhash	B.Sc.III	7620746619	7499979333	<i>Harsad</i>
18	2004	Dezif Akshay Annyaso	B.Sc.IV	9854039517	9359245501	<i>Akshay</i>
19	-	Banhatti Farheen Dautad	Staff	7350927677	-	<i>Farheen</i>
20	-	Chalke Akanksha Arun	Staff	9890149833	9765191958	<i>Akanksha</i>

*[Signature]*

*[Signature]*  
**HEAD**

*[Signature]*  
**Principal**

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)

Hon. Yashwantrao Chavansaheb  
Founder

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Hon. Altafhusen Nasiruddin Mulla  
General Secretary,  
Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref: 100/2024-25

Date: 21.02.2025

To,  
The Director,  
Anjanwel Light House,  
Anjanwel, Tal: Guhagar,  
Dist: Chiplun.

Subject: Permission for visiting light house Anjanwel.....

Respected Sir,

The students of our college B.Sc. II and B.Sc. III Electronics class have a study tour as a part of Curriculum. So, our students want to visit your light house Anjanwel on Tuesday 25 February, 2025. The number of students visiting will be 17 of B.Sc.II and B.Sc. III (Electronics) class. Three teachers will escort them.

Please allow them for visit

Thanking you.

visited on dated  
25/02/2025

नाचालन सहायक ग्रेड-१  
Navigational Assistant Grade-I  
तालकेश्वर पॉइंट दीपस्तंभ  
Talkeshwar Point Lighthouse

Yours faithfully,

Principal

Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

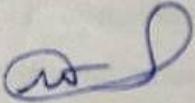
DEPARTMENT OF ELECTRONICS

CERTIFICATE

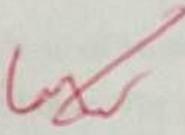
*Educational Tour Report -2024-25*

This is to certify that Mr./Miss. Ghodoge shivaji Satish  
of B.Sc. III class participated in the Industrial Visit organized by Department  
of Electronics to Light House, Anjanvel, Guhagar on 25.03.2025.

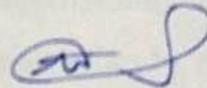
He/She has submitted his/her Industrial visit report on/before 25.03.2025 to the  
department.



Tour in-charge



Examiner



HOD



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

## **Educational Tour Report**

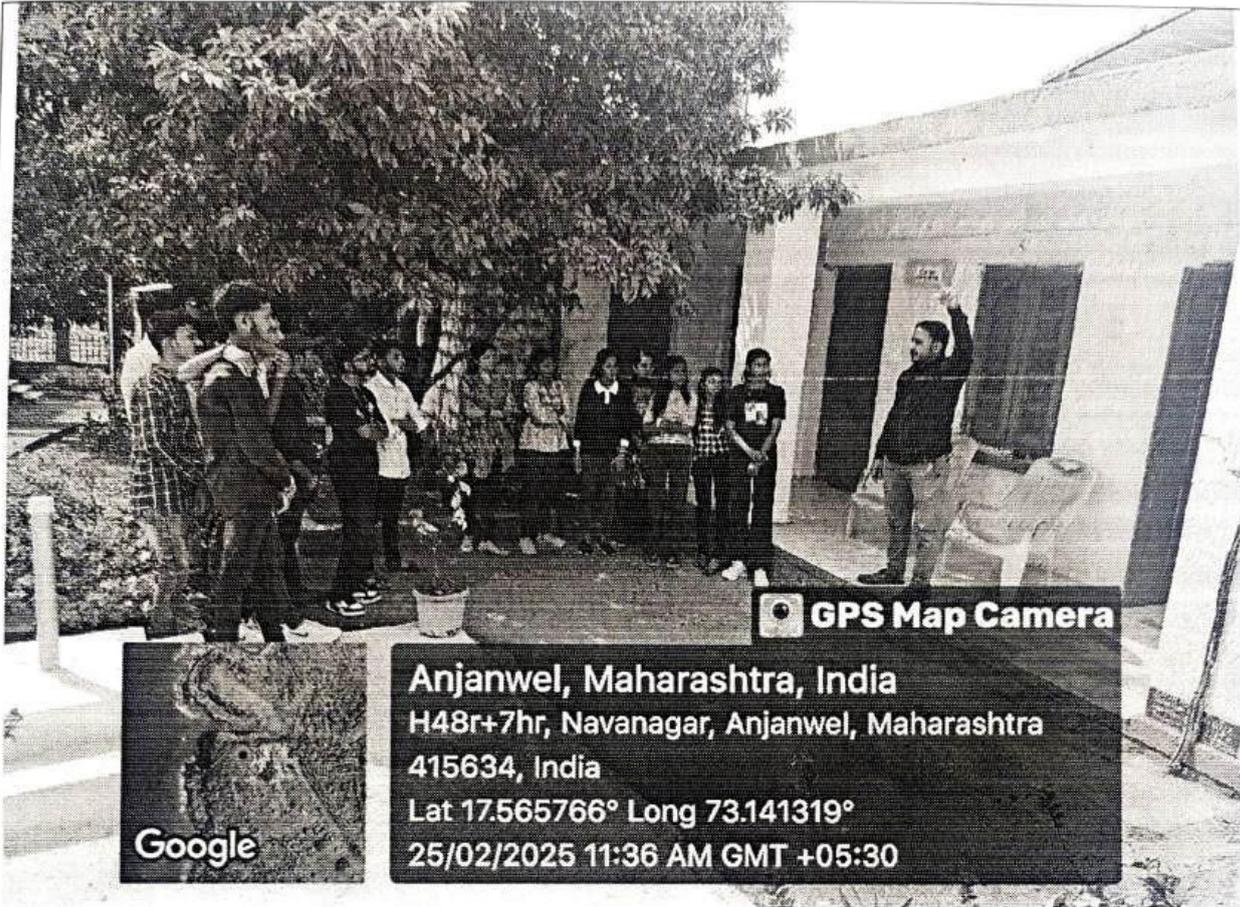
The Department of Electronics, Yashwantrao Chavan College of Science, Karad organized an educational tour and industrial visit to Light House in Anjanvel, Guhagar on February 25, 2025.

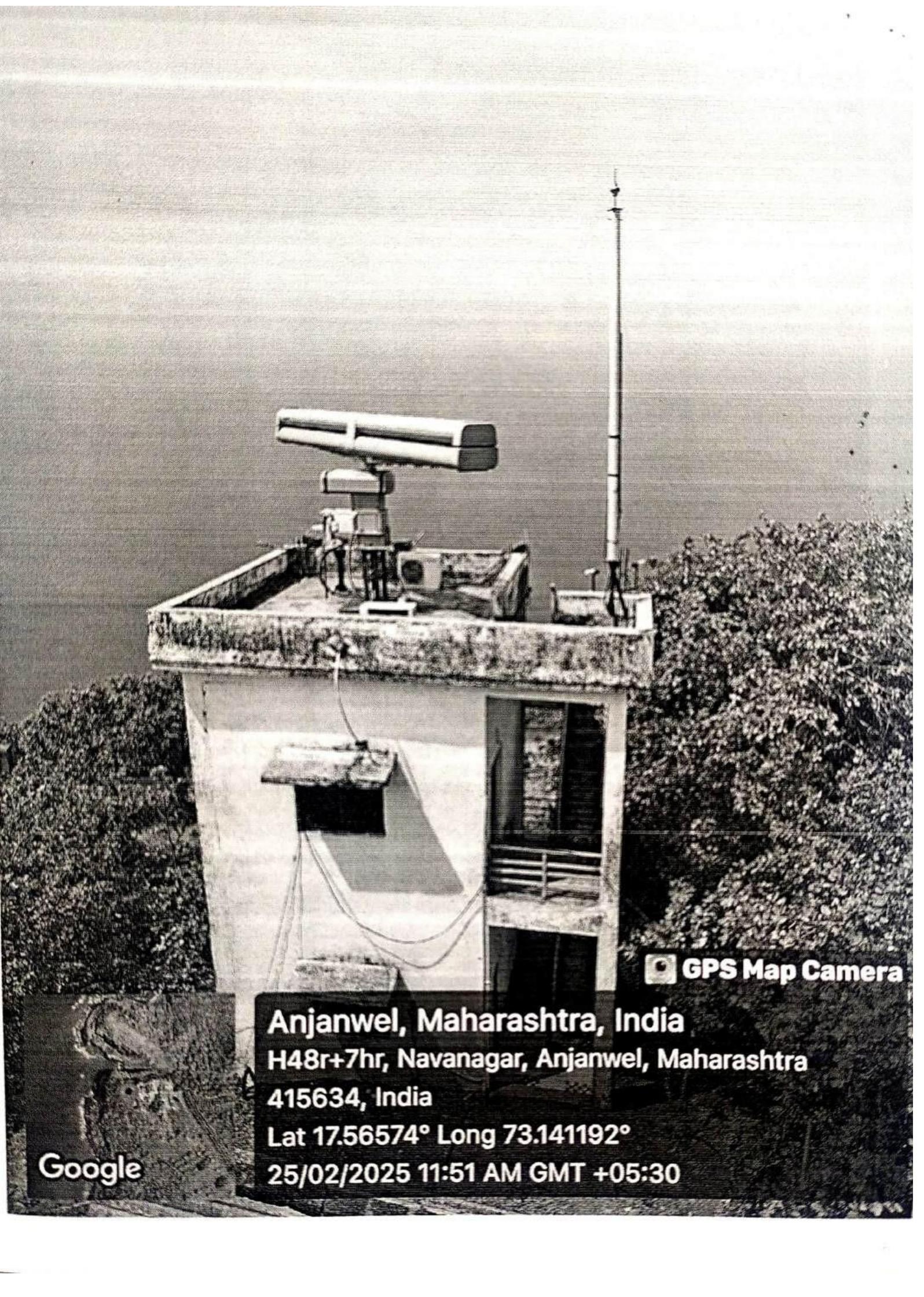
As planned, we started our travel at 6.15 a.m. and gathered to the college by 6.00 a.m. The trip took the following route: Karad, Chiplun, Guhagar, Anjanvel, and Karad. At 1:30 p.m., we go to Anjanvel's light house. The distance from Guhagar is 14 km. This fort is one of the popular fort in the Kokan. Light house light is used for indicating to the people direction in water to approach the sea coast . Anjanvel Light House is 9 kilometers above sea level. All of the light homes' functions are managed by the AT89C51 microcontroller. For indication purposes, three 150-watt focusing lamps and an optical magnifying prism are utilized. A stepper motor with a speed of six rotations per minute is utilized to rotate lamps. A motor driver circuit based on MOSFET transistors is constructed. The light house's ON/START timing varies depending on the weather. The light house's light indication range is around fifty kilometers. Any damage or issue that arises in the light house is resolved or managed by the Mumbai or Ratnagiri light houses. There are 300 light houses in all of Maharashtra. There is a clever feature for optional motor switching in the light house. The system automatically switches to the optional motor when one motor fails to operate.

Marine RADAR and GPS are installed at the light houses. X band radars on the seashore are used by the Marines to track the movements of enemy and other ships. These electronic navigation devices employ a revolving antenna to sweep a narrow microwave beam across the ship's surrounding sea surface to the horizon. They then use the reflected microwaves to identify objects and present an image of the ship's surroundings on a display screen.

Radar is an essential tool for maritime and coastal protection. Sonar, two-way marine radio, satellite navigation (GNSS) receivers like the Global Positioning System (GPS), and emergency locators (SART) are all part of the comprehensive marine instrument system aboard commercial ships.

At 6.30 p.m., we set out on our return trip, which took us via Guhagar, Chiplun, and Karad. We arrived home safely at last.





 **GPS Map Camera**

**Anjanwel, Maharashtra, India**  
**H48r+7hr, Navanagar, Anjanwel, Maharashtra**  
**415634, India**  
**Lat 17.56574° Long 73.141192°**  
**25/02/2025 11:51 AM GMT +05:30**

**Google**

YASHWANT RAO CHAVAN COLLEGE OF SCIENCE, KARAD

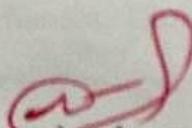
DEPARTMENT OF ELECTRONICS

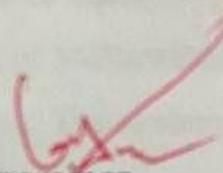
CERTIFICATE

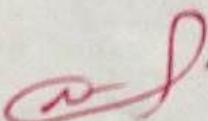
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He/She has submitted his/her Industrial visit report on/before 25.03.2025 to the  
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Tour in-charge

  
Examiner

  
HOD

## **Educational Tour Report**

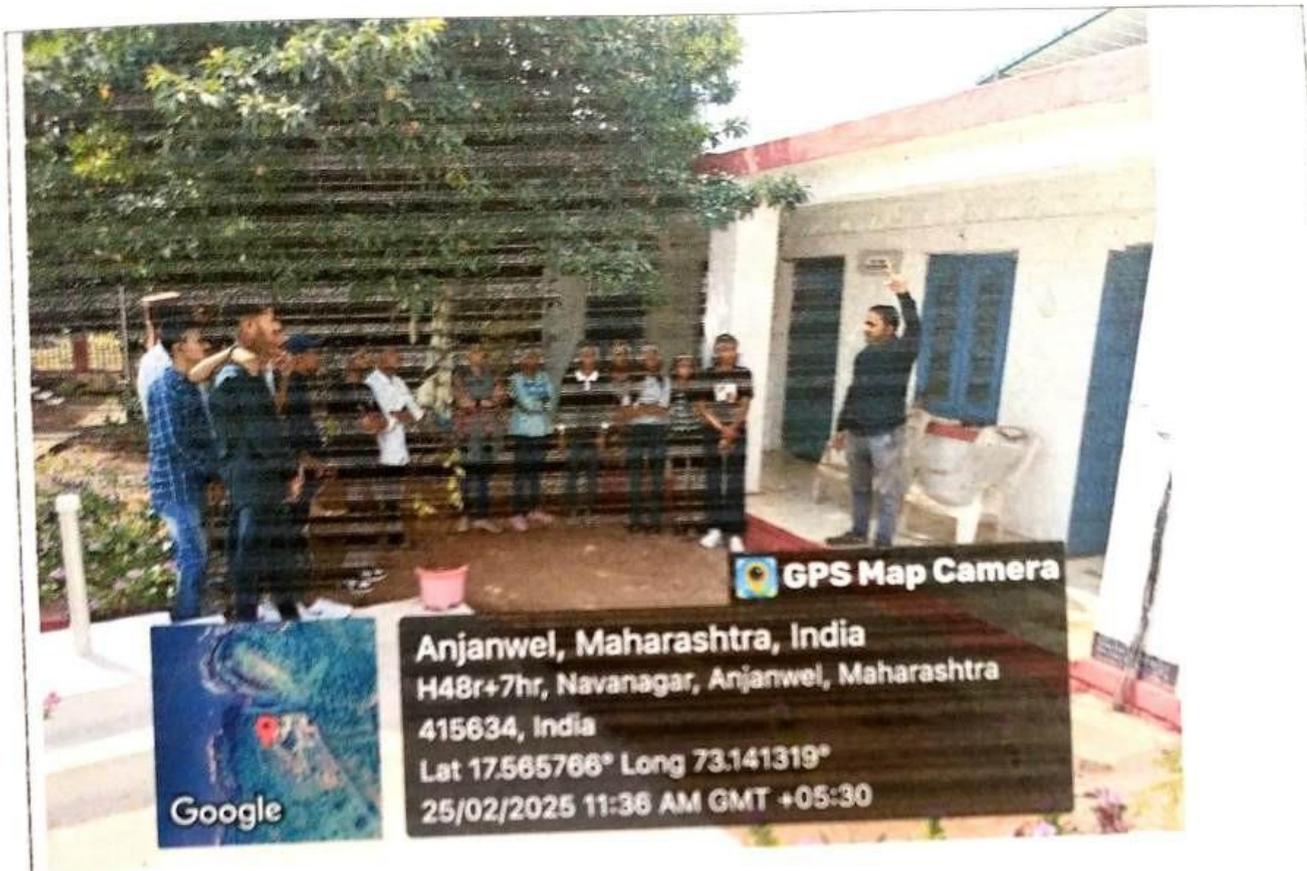
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415634, India  
Lat 17.56574° Long 73.141192°  
25/02/2025 11:51 AM GMT +05:30

**Yashwantrao Chavan College of Science, Karad**

**Department of Electronics**

**Feedback form**

Name of the Activity – Industrial Visit-Lighthouse, Anjanwel - Guhaghar

Name of Students: Shivaji Satish Ghodoge

Class : BSC III Roll No :- 2131

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	The visit was technology oriented	✓				
2	Enhancement in skill	✓				
3	The program was well placed within the allotted time	✓				
4	Higher recommend the Field visit to be continued.	✓				
5	Overall Departmental co-operation & management.	✓				

Any Other suggestion if any .....

Date : 27/02/2025

Sign : S.S.Ghodoge

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**Yashwantrao Chavan College of Science, Karad**

**Department of Electronics**

**Feedback form**

Name of the Activity – Industrial Visit-Lighthouse, Anjanwel - Guhaghar

Name of Students: Harshad Shubhash Chavan

Class : BSC III Roll No :- 3142

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	The visit was technology oriented	✓				
2	Enhancement in skill	✓				
3	The program was well placed within the allotted time	✓				
4	Higher recommend the Field visit to be continued.	✓				
5	Overall Departmental co-operation & management.	✓				

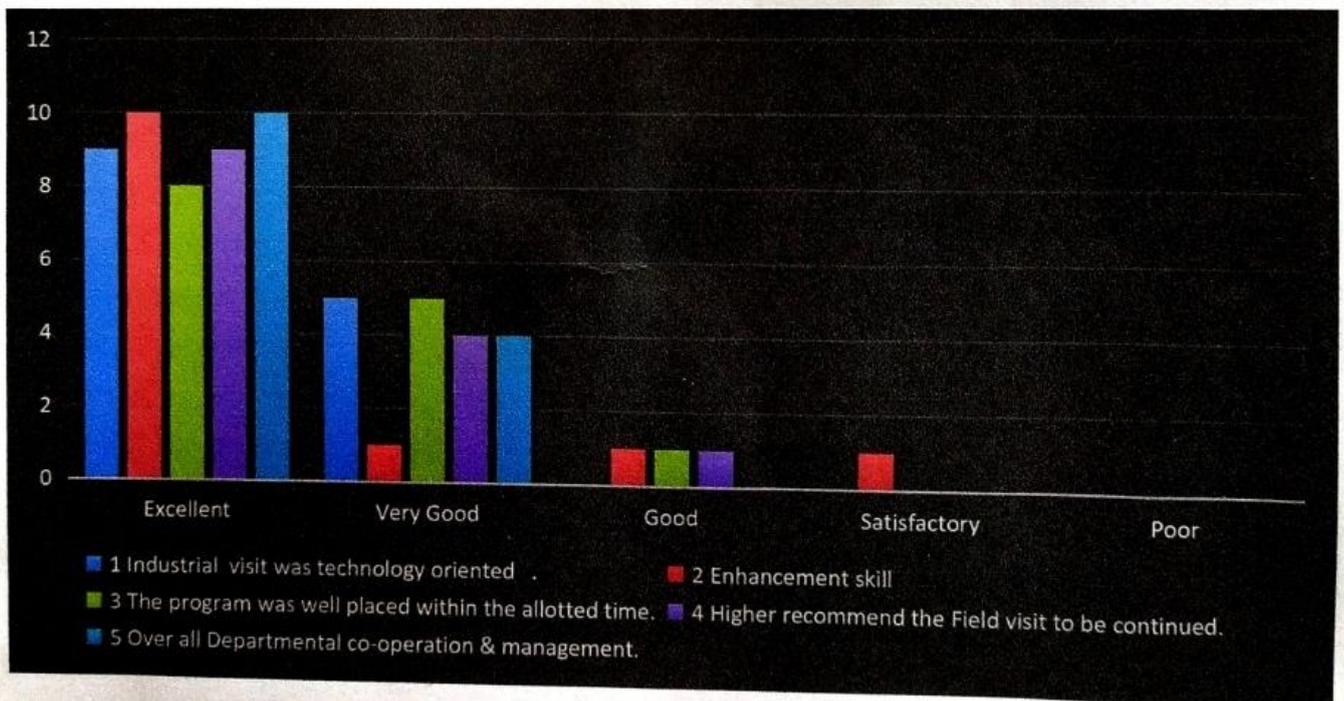
Any Other suggestion if any .....

Date : 27/02/2025

Sign : Chavan

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Department of Electronics**  
**Industrial Visit B.Sc.III & B.Sc.II**  
**Feedback Analysis - 2024-25**

		Excellent	Very Good	Good	Satisfactory	Poor
1	Industrial visit was technology oriented .	09	05			
2	Enhancement skill	10	01	01	01	
3	The program was well placed within the allotted time.	08	05	01		
4	Higher recommend the Field visit to be continued.	09	04	01		
5	Over all Departmental co-operation & management.	10	04			



**HEAD**

Department of Electronics  
 Yashwantrao Chavan College of Science,  
 Karad

