



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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref. No. / /2018-19

Date: 28/ 12/ 2018

To

The Manager,

Gadre Industries Ratnagiri,

Ratnagiri. Maharashtra.

**Sub: -** Request for permission to visit your fish product industry and prawn culture farm.

Respected Sir

As a part of educational tour, B.Sc. III Biotechnology & Zoology students [25] from our college accompanied by four faculty members, wish to visit your reputed organization (fish product industry and prawn culture farm) on 10/ 01/ 2019 .

I request you to grant the permission for visit.

Thanking You.

Regards

*Akshande*  
Teacher in-charge

*[Signature]*  
Principal,  
Yashwantrao Chavan College  
of Science, Karad  
Principal





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Date: 28/ 12/ 2018

To

The Principal,

Sharadchandraj Pawar College of Agriculture,

Kharawate-Dahiwali, Chiplun.

**Sub: -** Request for permission to visit your college.

Respected Sir

As a part of educational tour, B.Sc. III Biotechnology & Zoology students [25] from our college accompanied by four faculty members, wish to visit your reputed organization on coming 10/ 01/ 2019 .

I request you to grant the permission for visit.

Thanking You.

Regards

*Alexandre*

Teacher in-charge

*[Signature]*  
Principal,

Yashwantrao Chavan College  
Vidyanagar, Karad  
Principal

# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

## **Study tour 2018-2019**

**(10-01-2019 to 12-01-2019)**

- 1) **Name of the Department** :- Biotechnology & Zoology
- 2) **Class & Subject for which Tour is arranged** :- B.Sc. Part III Biotechnology & Zoology
- 3) **No. of Students accompanying** :- 21
- 4) **Place of visits and approximate Distance of traveling** :- 150 Km.  
**Place** :- Ratnagiri  
**Total Distance** :- 300 km. (approx)
- 5) **Date of departure and arrival**
  - a) Departure from Karad(10 Jan) :- 07.00 a.m.
  - b) Arrival at Chiplun.  
(S. P. College) (10 Jan) :- 10.30 a.m.
  - c) Visit to (S. P. College) :- 11.00 a.m. to 01.00 p.m.
  - d) Arrival at Ratnagiri (10 Jan) :- 6.00 p.m. (approx)
  - e) Arrival at Gadre Industry  
& Aquarium. (11 Jan) :- 10.00 a.m.
  - f) Arrival at Gadre Prawn  
Culture . (12 Jan) :- 10.00 a.m.
  - g) Departure from Ratnagiri :- 4.30 p.m.
  - h) Arrival at Karad. :- 05.00 p.m.
- 6) **Mode of Journey** :- Hired vehicle
- 7) **Name of the Staff** :- **Dr. Mrs. Kalamade. & Miss D. S. Narule.**  
(zoology)  
**Mr. Shinde P. S.**  
(Biotechnology)
- 8) **Name of non-teaching staff accompanying tour** :- None

*(Signature)*  
(Tour in-charge)



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**Department of Biotechnology**

**B.Sc.III (Study Tour)**

Date: 08.01.2019

The Students of B.Sc.III (Biotechnology) are here by inform that three day's study tour is arranged to Ratnagiri on 11<sup>th</sup> to 12<sup>th</sup> January 2019.

All should come with Identity card ,note book and pen .Study tour is compulsory as per university syllabus.

All Concerned should note and follow.



Course Co-ordinator,

Department of Biotechnology

**Course Co-ordinator**  
Department of Biotechnology





**Department of Biotechnology**  
**B.Sc. III Study tour 2018 -19**

**UNDERTAKING**

Date: - 08/01/2018

We the undersigned students of B.Sc. III (Biotechnology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	3181	BHAGWAT KAJAL VIKRAM	9607848483	9049403907	<u>Brajel</u>
2	3182	CHALAKE SANJAY NATHURAM	7028284212	7387546558	<u>S.Nathuram</u>
3	3183	CHAPPE SUDHIR RAMAKANT	9284136969	7588221092	<u>Rchappe</u>
4	3184	GAVADE PRAJAKTA ANKUSH	7040794644	9960876055	<u>Prajakta</u>
5	3185	JADHAV ANIKET DNYANESHWAR	7391874119	9763018430	<u>Jadhav</u>
6	3186	JANUGADE VISHWJIT VIJAY	8600339477	9545724550	<u>AJadhav</u>
7	3187	MUNALE GANGADHAR MAHESHANKAR	9607204598	9881178478	<u>Munale</u>
8	3188	NAGPURE ANUJA RAJENDRA	7744055992	9022535215	<u>ANR</u>
9	3189	VAGARE VAIBHAV BHAGAVAN	9970213994	8308483091	<u>VBhagav</u>
10	3190	PATIL ZUNJAR VISHWANATH	7720882831	9890526178	<u>VPatil</u>
11	3191	SHEDAGE RUTUJA DADASAHEB	9545045442	8007552648	<u>RShedage</u>
12	3192	WAGHMARE MADHURI RAJENDRA	7743997144	9850475523	<u>MRW</u>
13	3193	ADSULE VARADRAJ RAJENDRA	9881090186	9423939139	<u>Varad</u>
14			miss S.H. Shikalgar -		(teaching staff)
15			mr. S. S. shinde -		(teaching staff)

S.Nalamb  
Teacher in-charge



[Signature]  
Principal,  
Yashwantrao Chavan College  
of Science, Karad

**Yashwantrao Chavan College of Science, Karad**  
**Department Of Biotechnology**  
**STUDY TOUR PROGRAMME**

LAB/F-17

**Year:- 2018-2019**

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS:13

DATES OF STUDY TOUR: 11/01/2019 and 12/01/2019

PLACES OF VISIT: 1) Gadre Marine Pvt. Ltd.Ratnagiri

2) Gadre Shrimp Farm, Ratnagiri

3)Sharad Chandra ji Pawar Institute of Agricultura  
Sciences, Ratnagiri

MODE OF JOURNEY: PrivateTraveller Bus.

NAMES OF THE TEACHERS ACCOMPANYING: Miss. Shikalgar S.H.

Mr. ShindeP.S.

DATES & TIME OF DEPARTURE FROM KARAD: 24/01/2019 Time:- 06:30 am

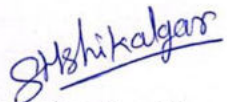
DATES & PLACES OF VISIT:

1) 11/01/2019 Gadre Marine Pvt. Ltd. Ratnagiri.

2) 11/01/2019 Gadre Shrimp Farm, Ratnagiri.

3) 12/01/2019Sharad Chandra ji Pawar Institute of Agricultura  
Sciences, Ratnagiri

DATES & TIME OF ARRIVAL AT KARAD:- 12/01/2019 Time:- 11:45pm

  
Teacher in- Charge

  
Head  
Dept of Biotechnology

  
Chairman  
Tour Committee





**Yashwantrao Chavan College of Science, Karad**  
**Department Of Biotechnology**  
**STUDY TOUR REPORT**

Year:- 2018-2019

LAB/F-  
18

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS: 13

DATES OF STUDY TOUR: 11/01/2019 and 12/01/2019

PLACES OF VISIT: 1) Gadre Marine Pvt. Ltd. Ratnagiri  
2) Gadre Shrimp Farm, Ratnagiri  
3) Sharad Chandra ji Pawar Institute of Agriculture  
Sciences, Ratnagiri

MODE OF JOURNEY: Private Traveller Bus.

NAMES OF THE TEACHERS ACCOMPANYING: Miss. Shikalgar S.H.  
Mr. Shinde P.S.

DATES & TIME OF DEPARTURE FROM KARAD: 11/01/2019 Time:- 07:00 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
11/01/2019	Gadre Marine Pvt. Ltd. Ratnagiri	Surimi Process Unit, Crab Stick manufacturing Unit
11/01/2019	Gadre Shrimp Farm, Ratnagiri	Unit of Prawn Culture
12/01/2019	Sharad Chandra ji Pawar Institute of Agriculture Sciences, Ratnagiri	Biotechnology Dept., Plant Tissue culture Lab.

DATE & TIME OF ARRIVAL AT KARAD: 12/01/2019 Time:- 11:30pm

*S. Shikalgar*  
Teacher in-charge

*S. Shikalgar*  
Head  
Department of Biotechnology







Study Tour B.Sc. III → Gadre Marine Pvt. LTD. Ratnagiri  
 → Sharad chandraj Pawar Institute of  
 Agri. Sci., Chiplun.

**STUDY TOUR 2018 -2019**



**Yashwantrao Chavan College of Science, Karad**  
**Department Of Mathematics**  
**List of Students**  
**Tour (2018-19)**


<b>Roll No.</b>	<b>Name of the Student</b>
3041	ADSULE PRAGATI KRUSHNAT
3042	AGARKAR MANALI RAVINDRA
3043	BAVADHANE VINESH BABU
3044	GURAV MALAN JAGANNATH
3045	JADHAV SWAPNALI ANIL
3046	JADHAV SHILPA SHANKAR
3047	JAIGADE AKSHAY MARUTI
3048	MAHADIK SUCHITA BABURAO
3049	MALI SNEHAL ANANDA
3050	MUJAWAR SAMIR SHABBIR
3051	PATEL JEENAT MUSTAFA
3052	PATIL PRAKJKTA Ramchandra
3053	PATIL PRIYANKA VIKAS
3054	PAWAR NIKITA APPASAHEB
3055	SAYYAD NIYAJ AKABAR





3056	TUPE ROHINI JOTIRAM
3057	YELAVE PRAVIN C.
3058	HAVALDAR AMRUTA S.



  
 for **HEAD**  
 Department of Mathematics  
 Yashwantrao Chavan College of Science,  
 Karad



**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

B.Sc.III (2018-2019)

**"A TOUR REPORT"**

Submitted by

**Name-** Tupe Rohini Joteram

**Roll No.-** 3056

**EXAM SEAT NO.-**

  
**Examiner**

14/3/2019





**Head**

For Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad  
**Department of mathematics**

## **REPORT**

It's my great pleasure that I got a chance for study tour arranged by the department of mathematics to Rajaram Bapu Institute of Technology (RIT), Islampur, Dist.- Sangli on 24 January 2019.

Aim: To know the student about in RIT facilities and faculty in RIT, Some information of Library and Librarian.

- 1) Introduction by Krushnaji Patil, Give details about scheduled during the day.
- 2) Head of MBA Dept: Hemalata Gaikwad Madam ( Business Analysis H.R. Research, Market)

She tells about Human Resource Management. She told that everybody have different learning and teaching ability. For this he show the story of a peacock in the land of Pegunins. Further she said that in the today's life there must be multitasking skill. E.g. Mother play multitasking Role as a financial, inventory and management. Also she told that when you working then observe skills and implement our self then organization will develop. Student must test how they can learn. Also show video of Movie "3 Idiots" about how to learn and how to teach? To develop analytical skills a course about Microsoft started for in campus and off campus student. If you leadership position then you have more skills working peoples below you. Student must learn about time management skill.

- i) Communication    ii) Office skill    iii) Domain knowledge software lab
- M.B.A. Dept has SPSS Software.

Research Lab 1) software Lab 2) MS- Excel Lab 3) Language Lab\

- Krushnaji Patil

Dealing with exam stress

Everybody in life face exams to prove himself for his skills Graph of result from 10<sup>th</sup> onwards in downwords

- 1) Learn through experience video of 3 Idiots 2) Listen and observe the things.
- 3) How can we avoid carelessness 4) How to be tension and stress free Video
- 5) Relaxation- Mr Bean Video about exam. 6) Concluded by prepare free exam very well and get success in life

- Career Guidance Program: (Madhav Tilve)

Give lecture on Career Guidance Program

Career Option after the Graduation-1) Jobs / PVT 2) Higher Education 3) Business small large 4) Freelancing

- 1) Career options after B.Sc.
- 2) Benefits of M.B.A.
- 3) Stages in admission process of M.B.A.
- 4) About entrance examination of M.B.A.
- 5) Give information about RIT.

Visit to Management Dept:

Lab:- 4 labs KS Patil discussed about labs , software Microsoft office specialist lab

Visit to Library-

2 floors – study Rooms

Reference book section

Off campus student also use library facility.



**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

**B.Sc.III (2018-2019)**

**"A TOUR REPORT"**

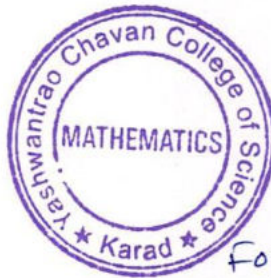
**Submitted by**

**Name-** Miss :- *Agaekar Manali Ravindra*

**Roll No.-** *3042*

**EXAM SEAT NO.-**

*7/14/03/19*  
**Examiner**



*for* **Head**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
**Department of mathematics**

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SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

**B.Sc.III (2018-2019)**

**"A TOUR REPORT"**

**Submitted by**

**Name-** Patil Priyanka vikas.

**Roll No.-** 3053

**EXAM SEAT NO.-**

**Examiner**

14/8/2019



**Head**

Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad.

**Department of mathematics**

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**DEPARTMENT OF MATHEMATICS**

B.Sc.III (2018-2019)

**"A TOUR REPORT"**

Submitted by


**Name-** patil prajakta Ramchandra.

**Roll No.-** 3052

**EXAM SEAT NO.-**

  
**Examiner**



  
FOR **Head**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
**Department of mathematics**



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### • Krushnaji Patil

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**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

B.SC.III (~~2018-2019~~  
2019-2020)

**"A TOUR REPORT"**

Submitted by

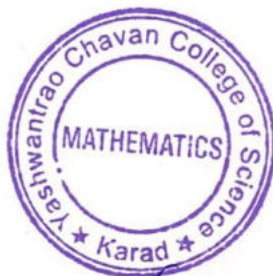
**Name-** Bawdhane Vinesh Babu

**Roll No.-** 3043

**EXAM SEAT NO.-**

**Examiner**

14/03/19



for

*(Signature)*

**Head**

Department of Mathematics

Yashwantrao Chavan College of Science,  
Karad  
**Department of mathematics**

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Dealing with exam stress

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**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

**B.Sc.III (2018-2019)**

**"A TOUR REPORT"**

**Submitted by**

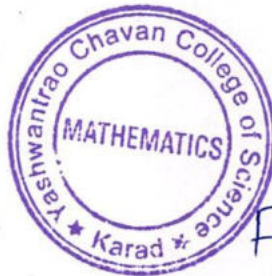
**Name-** Havaldar Amruta Suryakant

**Roll No.-** 3058

**EXAM SEAT NO.-**

**Examiner**

*14/03/19*



*For*

**Head**

**Department of Mathematics  
Yashwantrao Chavan College of Science,  
Department of mathematics**



## REPORT

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- 4) About entrance examination of M.B.A.
- 5) Give information about RIT.

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**YASHWANTRAO CHAVAN COLLEGE OF  
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**DEPARTMENT OF MATHEMATICS**

**B.SC.III (2018-2019)**

**"A TOUR REPORT"**

**Submitted by**

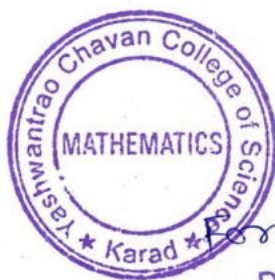
**Name-** Mujawar Samir Shabbir

**Roll No.-** 3050

**EXAM SEAT NO.-**

**Examiner**

14/3/2019



*Shedh*

**Head**

Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad  
**Department of mathematics**



## REPORT

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M.B.A. Dept has SPSS Software.

Research Lab 1) software Lab 2) MS- Excel Lab 3) Language Lab\

- Krushnaji Patil

Dealing with exam stress

Everybody in life face exams to prove himself for his skills Graph of result from 10<sup>th</sup> onwards in downwords

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**DEPARTMENT OF MATHEMATICS**

B.Sc.III (2018-2019)

**"A TOUR REPORT"**

Submitted by

**Name-** *Jadhav Shilpa Shankar*

**Roll No.-** *3046*

**EXAM SEAT NO.-**

*14/03/19*  
**Examiner**



*Sledhy*

**Head**

Department of Mathematics

*for* **Department of mathematics**  
Yashwantrao Chavan College of Science  
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**Submitted by**

**Name-** *Adsule Pragati Krishnat*

**Roll No.-** *3041*

**EXAM SEAT NO.-**

*[Signature]*  
**Examiner**

*14/3/2019*



*[Signature]*  
**For Head**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
**Department of mathematics**



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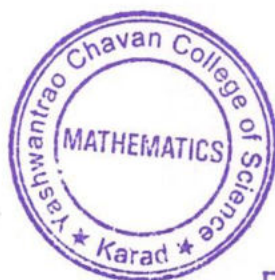
**Submitted by**


**Name-** Akshay Manu Jiigade

**Roll No.-** 3047

**EXAM SEAT NO.-**

  
**Examiner**  
14/3/2019



  
**Head**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad  
for **Department of mathematics**



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**B.Sc.III (2018-2019)**

**"A TOUR REPORT"**

**Submitted by**

**Name-** Gurav Malan Jagannath.

**Roll No.-** 3044

**EXAM SEAT NO.-**

  
**Examiner**

14/3/2019





**Head**

Department of Mathematics  
Yashwantrao Chavan College of Science,  
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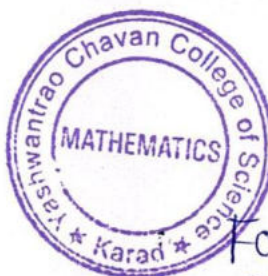
**Submitted by**

**Name-** *Jadhav Swapnali Anil*

**Roll No.-** *3045*

**EXAM SEAT NO.-**

*14/03/19*  
**Examiner**



*Shabb*  
**Head**

**Department of Mathematics**  
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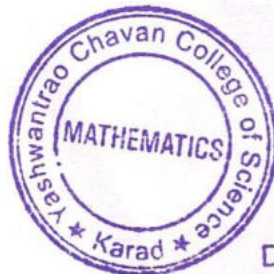
**Submitted by**

**Name-** MAHADIK SUCHITA BABURAO

**Roll No.-** 3048

**EXAM SEAT NO.-**

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**For Head**

**Department of Mathematics**

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B.Sc.III (2018-2019)

**"A TOUR REPORT"**

Submitted by

**Name-** Mali Snehal Ananda

**Roll No.-** 3049

**EXAM SEAT NO.-**

  
**Examiner**

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**Head**

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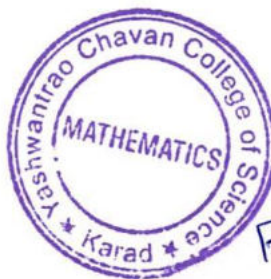
**Submitted by**

**Name-** Sayyad Niyaj Akbar

**Roll No.-** 3055

**EXAM SEAT NO.-**

**Examiner**



**For**

**Head**

**Department of Mathematics**  
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## 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

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

Ref.No./ 716 /2017-18

Date: 12/02/2018

To  
Director,  
Mapro Food Park and Main Unit,  
Shendurjane, Satara.

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M.Sc. II Microbiology students [46] from our college accompanied by three faculty members, wish to visit your reputed organization on 15<sup>th</sup> Feb. 2018.

I request you to grant the permission for visit.

Thanking You.

Regards



Yours Faithfully

*[Signature]*  
Principal,  
Yashwantrao Chavan College  
of Science, Karad







Estd. 1958

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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./ *715* /2017-18

Date: 12/02/2018

To  
Director,  
Wheat Rust Research Institute, Mahabaleshwar

Sub: - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M.Sc. II Microbiology students [46] from our college accompanied by three faculty members, wish to visit your reputed organization on 15<sup>th</sup> Feb. 2018.

I request you to grant the permission for visit.

Thanking You.

Regards

Yours Faithfully

*[Signature]*  
Principal,

Yashwantrao Chavan College  
of Science, Karad

*Received*  
*[Signature]*  
Junior Plant Pathologist  
Regional Wheat Rust Research  
Station Mahabaleshwar  
Dist. Satara - 412 806



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF MICROBIOLOGY**

**M. Sc. II – Study tour**

Date: - 14/02/2018

The students of M. Sc. II (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Wheat rust research institute, Mahabaleshwar and Mapro food park and Main unit, Shendurjane, Satara on **15<sup>th</sup> February, 2018**. All should remain present in college near Microbiology department at **05.00 a.m.**

All should come with Identity Card, Notebook and pen. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



*Sub*  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



**Yashwantrao Chavan College of Science, Karad**

**Department of Microbiology**

**M. Sc. II Study Tour (15 Feb 2018)**

**Student and Staff List**

Wheat Rust Research Institute Mahabaleshwar &  
Mapro Food Park and Main Unit, Shendurjane, Satara

Sr. No.	Roll No.	Name of the Student
1	5001	Bhogavkar Poonam Anandrao
2	5002	Chougule Priyanka Raju
3	5003	Dasari Namrata Ashok
4	5004	<b>Hajare Lahu Jaysing</b>
5	5005	Hirve Shubhangi Sunil
6	5006	Ibushe Fariyal Jahangir
7	5007	Kalbhor Bhagyashri Atul
8	5008	Kamble Gouri Sunil
9	5009	<b>Kamble Prashant Anil</b>
10	5010	Kamble Smita Rajkumar
11	5011	Kulkarni Rajashree Suneel
12	5012	<b>Kumbhar Anant Balkrishna</b>
13	5013	Menkudale Snehal Mallikarjun
14	5014	<b>Minche Sammed Rajendra</b>
15	5015	Mukkannawar Shweta Rajnikant
16	5016	<b>Patil Nishant Shivaji</b>
17	5017	Pawar Pranali Nitin
18	5018	Sathe Sonali Subhash
19	5019	Sayyed Sofiya Salim
20	5020	Shinde Shivani Shivaji
21	5021	Shinde Shweta Sanjay
22	5022	Surpure Shivleela Nagnath





Sr. No.	Roll No.	Name of the Student
23	5023	Waghumbare Archana Chandrakant
24	5024	Bade Tejashree Ramesh
25	5025	Barale Shivani Vilas
26	5026	<b>Chavan Shreedhar Sadashiv</b>
27	5027	Deshmukh Rajnandini Mansingrao
28	5028	Deshmukh Shweta Sushil
29	5029	<b>Gaikwad Shalom Sudin</b>
30	5030	Inde Namita Nitin
31	5031	Jadhav Shweta Yashwant
32	5032	Jagdale Snehal Vasant
33	5033	Kamble Sonali Bhupal
34	5034	Karanjkar Siddhi Pramod
35	5035	Kasar Kavita Shivaji
36	5036	<b>Kumbhar Vishal Ambaji</b>
37	5037	Malgave Asma Jahangir
38	5038	Patil Shruti Dilip
39	5039	Patil Sumita Ashok
40	5040	Patil Tejal Ganapati
41	5041	Powar Shivali Rajendra
42	5042	<b>Rhaykar Tanaji Namdev</b>
43	5046	Shaikh Junaid Shaukat
44	5043	Siddha Snehal Bhimrao
45	5044	T Nimisha Krishan
46	5045	Wagh Pranali Hanamant

Teaching Staff:- 1) Dr. J. U. Patil

2) Mr. K. A. Sutar



*[Signature]*  
**HEAD**  
 DEPARTMENT OF MICROBIOLOGY



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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No./ 120 /2018-19

Date: 26/02/2019

To

General Manager,

Vasantdada Sugar Institute,

Manjari, PUNE

**Sub: -** Request for permission to visit your organization...

Respected Sir


As a part of educational tour, B.Sc. III Microbiology students [60] from our college accompanied by three faculty members, wish to visit your reputed organization on 27<sup>th</sup> Feb 2019.

I request you to grant the permission for visit.

Thanking You.

Regards

Principal

  
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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No./119 /2018-19

Date: 26/02/2019

To

Director,

National Research Centre for Grapes,  
Manjari, PUNE

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, B.Sc. III Microbiology students [60] from our college accompanied by three faculty members, wish to visit your reputed organization on 27<sup>th</sup> Feb 2019.

I request you to grant the permission for visit.

Thanking You.

Regards

Principal

*Principal,*

Yashwantrao Chavan College  
of Science, Karad





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**Study tour 2018-2019**

- |    |  |    |  |
|----|--|----|--|
| 1) | <b>Name of the Department</b>          | :- | Microbiology   |
| 2) | <b>Class &amp; Subject for which</b>   | :- | B.Sc. Part III Microbiology                            |
|    | <b>Tour is arranged</b>                |    |  |
| 3) | <b>No. of Students accompanying</b>    | :- | 60   |
| 4) | <b>Place of visits and approximate</b> | :- |  |
|    | <b>Distance of traveling</b>           | :- | 175 Km. + 175 Km.                                      |
|    | <b>Place</b>                           | :- | PUNE   |
|    | <b>Total Distance</b>                  | :- | 350 km. (approx)                                       |
| 5) | <b>Date of departure and arrival</b>   | :- | 27 <sup>th</sup> Feb. 2019                             |
|    | a) Departure from Karad                | :- | 6.00 a.m.  |
|    | b) Arrival at Manjari Pune             | :- | 10.00 a.m.   |
|    | c) Visit to Vasantdada Sugar Ist.:-    |    | 10.00 a.m. to 12.30 p.m.                               |
|    | d) Lunch Break                         | :- | 12.30 p.m. to 1.30 p.m.                                |
|    | e) Visit to National Research          | :- | 2.30 p.m. to 5.30 p.m.                                 |
|    | Center for Grapes                      |    |  |
|    | f) Departure from Pune                 | :- | 6.00 p.m.  |
|    | g) Arrival at Karad                    | :- | 10.00 p.m.   |
| 6) | <b>Mode of Journey</b>                 | :- | Private Hired Vehicle                                  |
| 7) | <b>Name of the Staff</b>               | :- | Prof. T.B. Sawant<br>Shri. J.U.Patil<br>Miss P.J.Patil |
| 8) | <b>Name of non-teaching</b>            | :- | None   |
|    | <b>staff accompanying tour</b>         |    |  |

  
(Tour in-charge)



  
**HEAD**  
DEPARTMENT OF MICROBIOLOGY



Department of Microbiology  
B.Sc. III Study tour 2018-19  
**UNDERTAKING**

Date :- 27/02/2019

We the undersigned students of B.Sc. III (Microbiology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the incharge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	3201	Awate Arati Shankar	8856016805	8856085426	<i>Arati</i>
2	3202	Bhise Amruta Arun	7558636478	9420170420	<i>Amruta</i>
3	3203	Bhosale Kiran Ramachandra	9604179847	9421153441	<i>Kiran</i>
4	3204	Bhosale Pooja Rajaram	9730019946	8007751241	<i>Pooja</i>
5	3205	Borugale Aparna Dadaso	7066097041	7875840127	<i>Aparna</i>
6	3206	Chavan Poonam Prakash	7038114699	9421223293	<i>Poonam</i>
7	3207	Desai Santosh Shankar	9637176151	7744949981	<i>Santosh</i>
8	3208	Deshmukh Anjali Madhukar	8482892223	7350721702	<i>Anjali</i>
9	3209	Dinde Divyani Dilip	9552477489	9603822810	<i>Divyani</i>
10	3210	Gharge Aishwarya Annaso	7448163245	9850674048	<i>Aishwarya</i>
11	3211	Gharge Avadhoot Pandurang	9404013656	9130269626	<i>Avadhoot</i>
12	3212	Ghodake Snehal Shantaram	9168219952	9623512649	<i>Snehal</i>
13	3213	Girigosavi Rahul Shankarrao	77198918033	8007199533	<i>Rahul</i>
14	3214	Gujar Shivaji Balkrushna	8329328179	9403685213	<i>Shivaji</i>
15	3215	Haware Sourabh Shashikant	8412972257	7769088266	<i>Sourabh</i>
16	3216	Jain Dakshata Ajit	8446689899	9420059440	<i>Dakshata</i>
17	3217	Kate Ajay Chandrakant	9922467845	8888909174	<i>Ajay</i>
18	3218	Khilare Akshay Rajendra	8530989573	9822423221	<i>Akshay</i>
19	3219	Kumbhar Sakshi Vijay	9130459879	9011473987	<i>Sakshi</i>
20	3220	Kumbhar Vijay Jalinder	9075143500	8865450643	<i>Vijay</i>
21	3221	Mali Prajakta Uddhav	9518825432	9823793414	<i>Prajakta</i>
22	3222	Mane Kishori Sambhaji	8390322406	8796764875	<i>Kishori</i>
23	3223	Mane Rukmini Ravindra	7350879798	9921443016	<i>Rukmini</i>
24	3224	Mane Sandhya Sadanand	9825748496	8888556986	<i>Sandhya</i>
25	3225	Mirgale Ganesh Sudhakar	9503162822	8459049309	<i>Ganesh</i>
26	3226	Muke Pragati Arjun	7387220990	7756039218	<i>Pragati</i>
27	3227	Mulla Farhin Rafik	7083373752	8421186884	<i>Farhin</i>





28	3228	Mulla Shaeesta Nawaj	7875295983	9209279779	SNMulla
29	3229	Nalawade Shubhangi Shantaram	9921524183	9545483123	S.S. Nalawade
30	3230	Nikam Pooja Dhondiram	7499201158	8551839082	R. Nikam
31	3231	Panaskar Rohit Prakash	9637747632	9673280655	Rohit
32	3232	Panaskar Satyajeet Pandurang	7507522846	7798726409	Panaskar
33	3233	Pardeshi Shubham Anant	7020880341	9904294209	P
34	3234	Patil Bhagyashri Bhimrao	9881676168	9420772561	BBPatil
35	3235	Patil Dhiraj Dhanaji	8390360226	9766173269	D
36	3236	Pawar Aishwarya Anil	77943917983	7798732671	A
37	3237	Pawar Kishori Mohan	9561208533	9823086143	Kishori P.
38	3238	Pawar Pratiksha Arun	7038056720	7038883261	P. Pawar
39	3239	Sawant Pratibha Baban	9730013162	8424836447	Pratibha
40	3240	Sawant Revati Rajendra	9921061663	9552880860	Revati
41	3241	Shete Shraddha Sanjay	7057339122	8208734653	Shete
42	3242	Shewale Pooja Rangarao	9158238054	9657821143	Shewale
43	3243	Shinde Aparna Bhaskar	9923284164	9673145969	ABShinde
44	3244	Shinde Dipika Rajendra	9049914627	9158614587	Shinde
45	3245	Shinde Sonali Santosh	7776054384	9422804440	Sinde
46	3246	Shitole Madhuri Dhondiram	7447531556	9850275278	Shitole
47	3247	Sonawane Aditi Madhusudan	7447537288	9320823531	Aditi
48	3248	Sudke Shivani Krishnat	8530462247	9822571881	Sudke
49	3249	Sutar Toufiya Yunoos	9168506870	9970193483	T.Y. Sutar
50	3250	Velapure Vaishali Devendra	9923288329	8055250021	Velapure
51	3251	Vishwakarma Dimpal Shambhaddar	9112388061	9758012872	Dimpal
52	3252	Wagh Reshma Vijay	7757974935	9822091697	Wagh
53	3253	Yadav Arundhati Kishor	7028825940	9766585850	Arundhati
54	3254	Yadav Pooja Rajendra	9730622041	9860790315	Pooja
55	3255	Pawar Sushma Sudhir	9637080934	9049417473	Pawar
56	3256	Sapkal Sujata Prakash	7768856293	9764655000	Sapkal
57	3257	Thorat Akshay Amrut	7028592559	7038105559	Thorat
58	3258	Tupe Rushikesh	9373260683	9881152637	Rushikesh
59	3259	Babar Ashish	7758350137	9922790396	Babar
60	3260	Kumbhar Kumar A	7709516310	7709644415	Kumbhar





Yashwantrao Chavan College of Science, Karad  
Department of Microbiology  
B.Sc. III Study tour 2018-19  
Students and Staff List

Study tour to Pune (Hadapsar, Manjari)

Date - 27-Feb-2019

Sr. No.	Roll No.	Name of the student
1	3201	Awate Arati Shankar P ✓
2	3202	Bhise Amruta Arun P ✓
3	3203	Bhosale Kiran Ramachandra P ✓
4	3204	Bhosale Pooja Rajaram P ✓
5	3205	Borugale Aparna Dadaso P ✓
6	3206	Chavan Poonam Prakash P ✓
7	3207	Desai Santosh Shankar P ✓
8	3208	Deshmukh Anjali Madhukar ✓ M
9	3209	Dinde Divyani Dilip P ✓
10	3210	Gharge Aishwarya Annaso P ✓
11	3211	Gharge Avadhoot Pandurang P ✓
12	3212	Ghodake Snehal Shantaram P ✓
13	3213	Girigosavi Rahul Shankarrao P ✓
14	3214	Gujar Shivaji Balkrushna P ✓
15	3215	Haware Sourabh Shashikant P ✓
16	3216	Jain Dakshata Ajit P ✓
17	3217	Kate Ajay Chandrakant P ✓
18	3218	Khilare Akshay Rajendra P ✓
19	3219	Kumbhar Sakshi Vijay P ✓
20	3220	Kumbhar Vijay Jalinder P ✓
21	3221	Mali Prajakta Uddhav P ✓
22	3222	Mane Kishori Sambhaji P ✓
23	3223	Mane Rukmini Ravindra ✓ M
24	3224	Mane Sandhya Sadanand P ✓
25	3225	Mirgale Ganesh Sudhakar P ✓
26	3226	Muke Pragati Arjun P ✓
27	3227	Mulla Farhin Rafik P ✓
28	3228	Mulla Shaeesta Nawaj P ✓
29	3229	Nalawade Shubhangi Shantaram P ✓
30	3230	Nikam Pooja Dhondiram P ✓
31	3231	Panaskar Rohit Prakash P ✓
32	3232	Panaskar Satyajeet Pandurang P ✓
33	3233	Pardeshi Shubham Anant P ✓





34	3234	Patil Bhagyashri Bhimrao P ✓	
35	3235	Patil Dhiraj Dhanaji P ✓	
36	3236	Pawar Aishwarya Anil P ✓	
37	3237	Pawar Kishori Mohan P ✓	
38	3238	Pawar Pratiksha Arun P ✓	
39	3239	Sawant Pratibha Baban P ✓	
40	3240	Sawant Revati Rajendra P	
41	3241	Shete Shraddha Sanjay ✓	U
42	3242	Shewale Pooja Rangarao P ✓	
43	3243	Shinde Aparna Bhaskar ✓	U
44	3244	Shinde Dipika Rajendra ✓	M
45	3245	Shinde Sonali Santosh P ✓	
46	3246	Shitole Madhuri Dhondiram P ✓	
47	3247	Sonawane Aditi Madhusudan P ✓	
48	3248	Sudke Shivani Krishnat ✓	M
49	3249	Sutar Toufiya Yunoos P ✓	
50	3250	Velapure Vaishali Devendra P ✓	
51	3251	Vishwakarma Dimpal Shambahaddar P ✓	
52	3252	Wagh Reshma Vijay P ✓	
53	3253	Yadav Arundhati Kishor P ✓	
54	3254	Yadav Pooja Rajendra P	
55	3255	Pawar Sushma Sudhir P ✓	
56	3256	Sapkal Sujata Prakash P ✓	
57	3257	Thorat Akshay Amrut P ✓	
58	3258	Tupe Rushikesh P ✓	
59	3259	Babar Ashish P ✓	
60	3260	Kumbhar Kumar A ✓	U
		Shri.T. B. Sawant (Teaching Staff)	
		Dr. J. U. Patil (Teaching Staff)	
		Mrs P.J.Patil (Teaching Staff)	

HEAD  
DEPARTMENT OF MICROBIOLOGY





**Yashwantrao Chavan College of Science, Karad**  
**Department of Pollution**  
**B. Sc. II**  
**2018-2019**

Date : 11.02.2019

Study tour of B.Sc. II (Pollution) is arranged at **Krishi Vigyan Kendra, Baramati** on Wednesday, 13.02.2019. All students should remain present in college campus on Wednesday, 13.02.2019 up to 6.00 a.m.

All concerned should note and follow strictly.

**Study tour programme**


Time	Programme
6.30 a.m.	Departure from Yashwantrao Chavan College of Science, Karad campus
9.30 a.m.	Arrival at <b>Padegaon Sugarcane Research Centre &amp; visit</b>
12.00 noon	Lunch & visit to <b>Krishi Vigyan Kendra, Baramati</b>
4.00 p.m.	Visit to <b>Nakashtra Garden</b>
5.30pm	Departure to Karad
Arrival at Karad up to 9.00 p.m.	

**Instructions to the students**

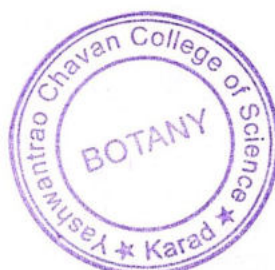
1. All students have to bring their Identity card, Note book, Pen etc.
2. All students have to bring one time lunch & water bottle.
3. Required medicines if any.
4. No valuable things are allowed.
5. All students should obey the orders of tour in-charge.

All concerned should note and follow.

  
**Teacher in-charge**

  
**Head**

**Head**  
**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

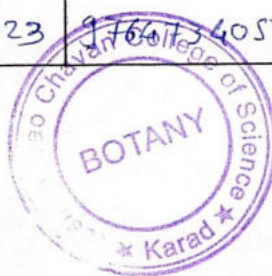
## DEPARTMENT OF BOTANY

B.Sc. II, Study Tour- 2018-19

### List of Student

Place of Visit: Sugarcane Research Centre, Padegaon and KVK, Baramati

Sr. No.	Name of the Student	Roll No	Contact No.		Sign	U
			Parent	Student (Self)		
✓01	Thupe Shubham Dinkar	1455	9518599784	9284626161	<u>Stupe</u>	✓
✓02	Shedage Akshay Lahu	1448	8975994609	8975724828	<u>Shedage</u>	✓
✓03	Tawarre Siddhesh Rajendra	1451	800763265	9328652008	<u>TS</u>	✓
✓04	Mandake Santet Sanjay.	1442	9561776609	9766535902	<u>Mandake</u>	✓
✓05	Pawar Mahesh Uttam	1446	9561452343	9021560334	<u>Mahesh</u>	✓
✓06	Sonor shubham Avinash	1450	9970827221	9511998830	<u>Sonor</u>	✓
✓07	Veer Abhishek Anandrao	1457	8888783248	8530068874	<u>AA.Veer</u>	✓
✓08	Khardekar Shivraj Pradip	1213	9423339988	9528952505	<u>SK</u>	✓
✓09	Pawar Rutik Rajendra	1447	9822593841	8796800840	<u>Pawar</u>	✓
10	veer Nilesh babao	1241	9096147128	9370532745	<u>veer</u>	✓
✓11	shewale Akshay shivaji	1231	9421421152	8698329285	<u>sh</u>	✓
✓12	Chinchkar Mayur Rajendra	1197	8561507856	8530521737	<u>MC</u>	✓
✓13	Thorgeet Atul Manohar	1239	9075964057	9284755760	<u>Atul</u>	✓
✓14	Shewale Prasad Prakash	1177	7887177336	9561408973	<u>Shewale</u>	✓
✓15	Sathe Nayan Manikrao	1456	8623955218	9511763407	<u>Sathe</u>	✓
✓16	Pisal Tanmay Madhukar	1227	7507089893	9503737084	<u>Pisal</u>	✓
✓17	Pisal Manthan sadashiv	1226	9325132799	8805676861	<u>mP</u>	✓
✓18	Chavhan Somnath Deeban	1257	9822614807	8552941585	<u>Chavhan</u>	✓
✓19	Kamble mahesh Ramesh	1153	7028316998	8485016005	<u>NO</u>	✓
✓20	Chandekar Nikhil Deewanand	1523	9766134050	7709325245	<u>Chandekar</u>	✓





# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## DEPARTMENT OF BOTANY

B.Sc. II, Study Tour- 2018-19

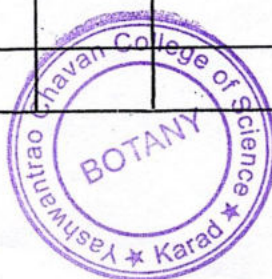
### List of Student

Place of Visit: Sugarcane Research Centre, Padegaon and KVK, Baramati

Sr. No.	Name of the Student	Roll No.	Contact No.		Sign	U
			Parent	Student (Self)		
✓ 21	Gharal vidya vitthal	1577	9921448774	9604807995	Gharal	✓
✓ 22	Patil snehal sunil	1445	9049627175	7507347082	Patil	✓
✓ 23	Thorbole Pranoti Dilip	1454	9373048570	9552841707	Thorbole	✓
✓ 24	Thorat Trupti Niwas	1453	9011589337	9309133402	Thorat	✓
✓ 25	Mane Prajakta Ramchandra	1443	9766604880	7757075400	Mane	✓
✓ 26	Bhosale Pooja Vinayak	1437	9665221371	7756843673	Pooja	✓
✓ 27	Patil Komal Jagannath	1444	9822115961	7040633524	Patil	✓
✓ 28	Thombare sayali shivaji	1452	9689957012	9766038145	Thombare	✓
✓ 29	Karpe sayali Hanmant	1441	8149414657	9689678269	Karpe	✓
✓ 30	Dhagare Teuphi Tukaram	1438	7769085838	9145055853	Dhagare	✓
✓ 31	Kandare Gauri Bhareat	1154	9011287539	9158139356	Kandare	✓
✓ 32	Salunkhe sayali ashok	1179	9270170844	9130647316	Salunkhe	✓
✓ 33	Shelke Ankita Suresh	1176	9850655827	7745803548	Shelke	✓
✓ 34	Jagtap Eitaaji Ashok	1151	9881483922	9130611437	Jagtap	✓
✓ 35	Phatak Monika Pandurang	1171	9146616164	7058996546	Phatak	✓
✓ 36	Pawar Madhura Sanjay	1535	9665160075	9665122590	Pawar	✓
✓ 37	Sagarkar Prerana Pravin	1536	9623683718	9765233468	Sagarkar	✓
✓ 38	Satpute supriya sidhu	1607	7756815242	7720882831	Satpute	✓
✓ 39	Yadav snehal Tanaji	1542	7774070598	9657821059	J.T.Yadav	✓
✓ 40	Vishwakarma Reshma Surybhan	1609	9822447987	7350112619	Reshma	✓





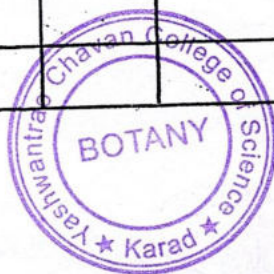




**B.Sc. II, Study Tour- 2018-19**

## List of Student

**Place of Visit: Sugarcane Research Centre, Padegaon and KVK, Baramati**

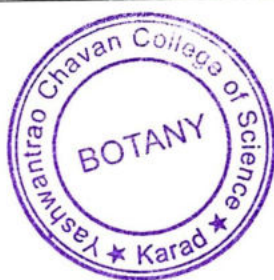
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**Yashwantrao Chavan College of Science, Karad**


**Department of Botany**


**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. II Botany Students
<b>Day &amp; Date</b>	13/02/2019
<b>Place of visit</b>	Krishi Vigyan Kendra(KVK), Baramati & Sugarcane Research Centre, Padegaon
<b>Purpose of the Program</b>	1. To provide basic knowledge in Agriculture and modern trends in Agriculture. 2. To motivate students to inculcate modern science with Agriculture. 3. To learn research in Sugarcane and its related industries. 4. To explore new trends in Sugarcane research.
<b>No. of Students Participated</b>	47
<b>No. of Teachers Participated</b>	03
<b>Visit outcomes</b>	Students learnt modern trends and research in Agriculture from expertise in the institute. They also interacted with skilled workers. Students came across modern tools and techniques in sugarcane research. They interacted with staff and scholars in the institute.



  
Teacher In-charge

  
Head  
Department of Botany  
**Head**  
Department of Botany  
Yashwantrao Chavan College of  
Science, Karad

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

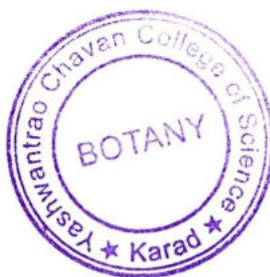


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Wednesday, 13/02/2019
<b>Place of visit</b>	Nakshatra Garden, Baramati
<b>Purpose of the Program</b>	1. To add knowledge about Horticulture and Floriculture. 2. To introduce skills in horticulture in students.
<b>No. of Students Participated</b>	47
<b>No. of Teachers Participated</b>	03
<b>Visit outcomes</b>	Students saw different types of ornamental plants. Nursery owner gave students an idea regarding building a nursery and management in it. Students also interacted with skilled workers of nursery. The main point of attraction was collection of cactus in nursery.



**Teacher In-charge**

**Head**

**Department of Botany**

**Head**

**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**

**Principal**

**Principal**

**Yashwantrao Chavan College of Science**  
**Karad**

**Study Tour of B. Sc. Botany Students –  
Krishi Vigyan Kendra(KVK), Baramati & Sugarcane Research  
Centre, Padegaon**







**Central Sugarcane Research Station, Padegaon**



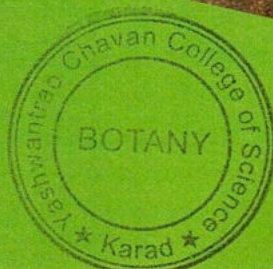
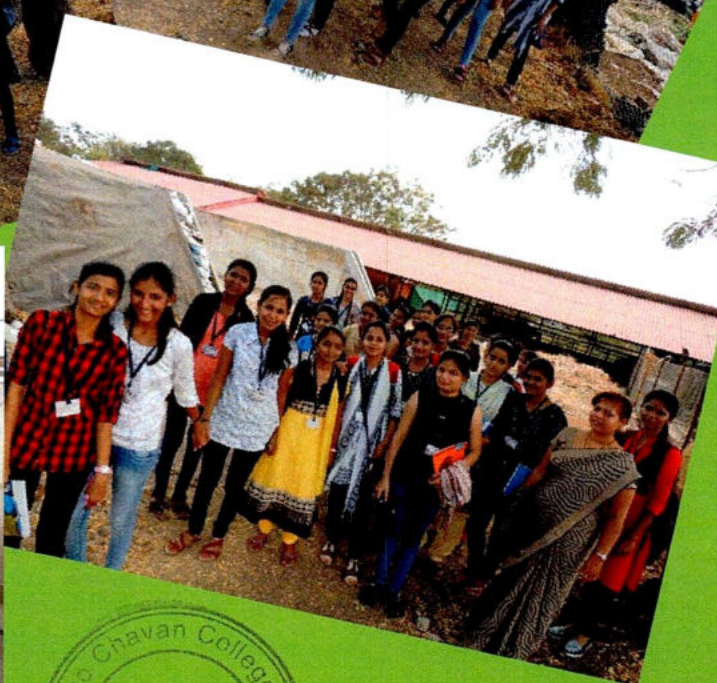


## KrishiVigyan Kendra, Baramati



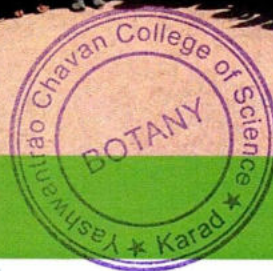


# KrishiVigyan Kendra, Baramati





## Central Sugarcane Research Station, Padegaon





## KrishiVigyan Kendra, Baramati



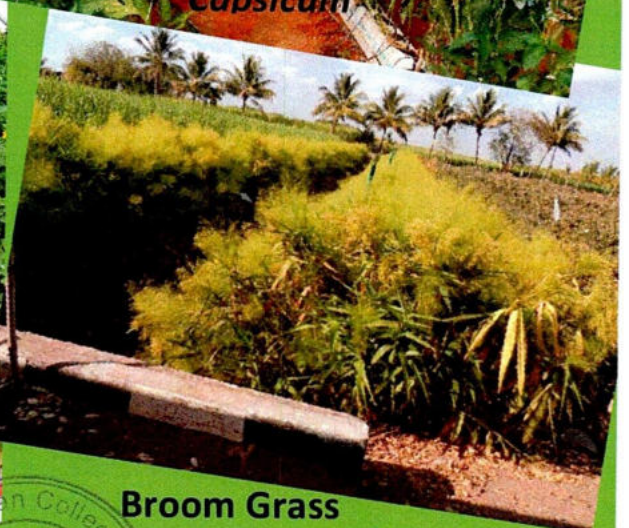
*Cucumis*



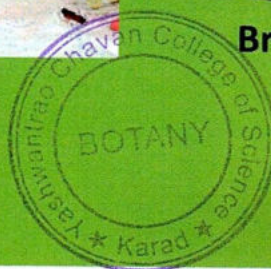
*Capsicum*



**Strawberry**

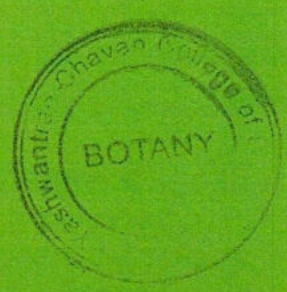


**Broom Grass**





# NakshatraUdyan, Baramati





**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
**B. Sc. III 2018-19**

Date : 02.02.2019

Botanical study tour of B.Sc.III (Botany & Botany-Pollution) is arranged at Vengurla and Malvan on 4<sup>th</sup> and 5<sup>th</sup> February 2019.

All concerned should note and follow.

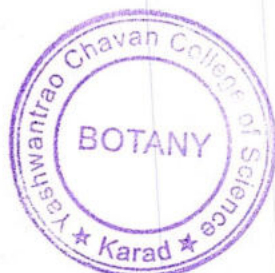
**Study tour programme**

Date	Time	Programme
04.02.2019	6.00 a.m.	Departure from Yashwantrao Chavan College of Science campus for Vengurla
	10.00 a.m.	Arrival at Regional Fruit Research Station, Vengurla
	2.00 p.m.	Lunch
	2.30 p.m.	Visit to places of botanical interest.
	4.30 p.m.	Departure for Malvan
<b>Halt at Malvan</b>		
05.02.2019	9.00 a.m.	Visit to places of Botanical interest.
	2.00 p.m.	Lunch
	2.30 p.m.	Study of Halophytic plants around Malvan.
	6.00 p.m.	Departure for Karad
		Arrival at Karad up to 10.30 p.m.

**Instructions to the students**

1. Identity card, Note book, Pen.
2. All students to bring one time lunch & cash required for the personal use with them.
3. Blanket
4. Required medicines.
5. No valuable things are allowed.
6. All students should obey the orders of tour in-charge.

  
Teacher Incharge



  
**Head**  
**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**


**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
**B.Sc.III**  
**Study Tour**

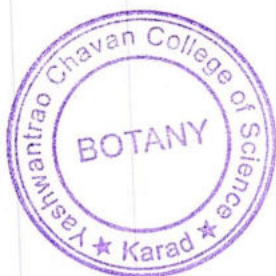
**Date: 07.01.2019**


Two days botanical excursion of B.Sc. III (Botany+ Botany-Pollution) is arranged at **Vengurla, Malwan, Sindhudurg**. All students of the above class are hereby informed that they have to pay Rs. 2500/- (Two Thousand Five hundred only) <sup>words</sup> travelling expenses only to **Dr. G.G. Potdar** on or before **15<sup>th</sup> Jan. 2019**.

^ The study tour is compulsory and marks are reserved to it in the University Practical Examination. The tour programme will be notified in due course of time.

All concerned should note and follow.

  
Teacher in-charge



  
Head  
BOTANY DEPARTMENT,  
YASHWANTRAO CHAVAN COLLEGE  
OF SCIENCE, KARAD.

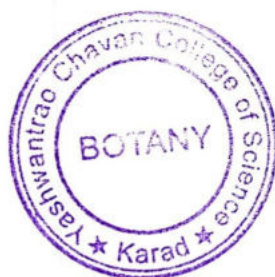


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Study Tour of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Monday & Tuesday, 04/02/2019 and 05/02/2019
<b>Place of visit</b>	Vengurla, Malwan and Sindhudurg
<b>Purpose of the Program</b>	To provide students with hands-on, real-world experiences which complement theoretical knowledge gained in the classroom and understand practical applications of their studies
<b>No. of Students Participated</b>	07
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students gained knowledge about plant diversity, geographical aspects and variations of plants the region.



**Teacher In-charge**

**Head**

**Department of Botany**

**Head**

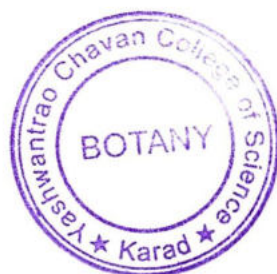
**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**

**Principal**

**Principal**

**Yashwantrao Chavan College of Science, Karad**

Study Tour of B. Sc. Botany Students -  
Vengurla & Malwan



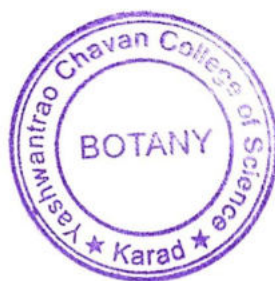


Study Tour of B. Sc. Botany Students –Vengurla & Malwan





Study Tour of B. Sc. Botany Students – Vengurla & Malwan





**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
**B.Sc.III**  
**Study Tour**

**Date : 30.08.2018**

The students of B.Sc. III (Botany + Botany-Pollution) are hereby informed that their One day Botanical study tour is arranged to Valmiki and Patan on Saturday the 1<sup>st</sup> Sept. 2018.

All concerned should note and follow strictly.

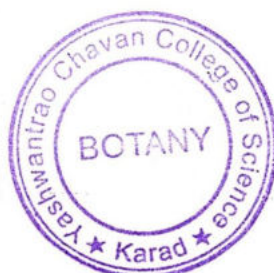


Class In-charge



Head

**Head**  
Department of Botany  
Yashwantrao Chavan College of  
Science, Karad



**Yashwantrao Chavan College of Science, Karad**  
**Department of Pollution**

**B.Sc.III**  
**Study Tour**  
**Programme**

**Date : 01.09.2018**

The students of B.Sc. III (Pollution) are hereby informed that their One day Botanical study tour is arranged to Valmiki and Patan on Saturday the 1<sup>st</sup> Sept. 2018.


All concerned should note and follow strictly.

**Study Tour Programme –**

<b>7.00 a.m.</b>	Departure from Yashwantrao Chavan College of Science, Karad
<b>10.00 a.m. to</b>	Visit to different localities
<b>5.00 p.m.</b>	Valmiki and Patan
<b>7.00 p.m.</b>	Arrival at Karad (Approximate).

**Students should bring with them:**

1. Identity card.
2. Note book, Pencil, Scalpel & Polythene bags for collection.
3. Lunch Tiffin.
4. Umbrella / Raincoat
5. Medicine if any required.

  
**Head**  
**Head**  
Department of Botany  
Yashwantrao Chavan College of  
Science, Karad



# Yashwantrao Chavan College of Science, Karad

## Department of Botany

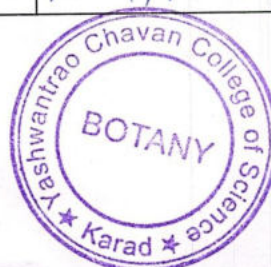
### B.Sc. Part III

#### Study Tour

Date:

We the undersigned students of B.Sc. Part III (Botany & Botany-Pollution) travelling in the study tour on our own risk. Further, we declare that, we will follow the time schedule and obey the orders of the in-charge throughout the tour.

Sr. No.	Roll No.	Name of Students	Personel Contact No.	Parent Contact No.	Signature
1	3141	Nikam Vikram Vasant			
2	3142				
3	3143	Pawar Ashwini Arvind	7721875150	9202353080	<i>Ashwini</i>
4	3144	Pawar Yuvraj Rajendra			
5	3145	Sathe Sayali Sanjay	8605775628	9766490205	<i>Sayali</i>
6	3146	Shejwal Rutuja Rajendra	9822832024	9503902024	<i>Rutuja</i>
7	3151	Devkar Akash Suresh	7387177883	9607774023	<i>Devkar</i>
8	3152	Kudale Akash Rajendra	7387183979	7288665980	<i>A.R. Kudale</i>
9	3153	Mane Rahul Tatyasaheb	7057521454	8275048150	<i>Rahul</i>
10	3154	Patil Jeevan Bhauso	9527314975	8600621575	<i>Patil</i>
11	3155	Pawar Vaibhav Mahendra	9822849945	9741926596	<i>Pawar</i>
12	3156	Shinde Rushikesh Hanmant	9762284302	7066671067	<i>Shinde</i>
13	3157	Chavan Rohit Abaso	9156293191	9112273563	<i>Chavan</i>
14	3158	Rathi Rajendra Jayawant	7020488648	7219425717	<i>Rathi</i>
15	3159	Jadhav Nilesh Krishan	9730908979	7972005442	<i>Jadhav</i>
16	3160	Mulik Shailesh	9960997843	9527372089	<i>Mulik</i>

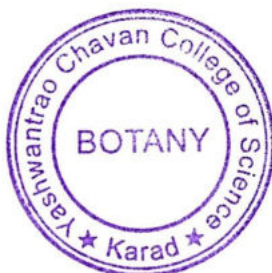


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Saturday, 01/09/2018
<b>Place of visit</b>	Walmiki & Patan
<b>Purpose of the Program</b>	To understand floral diversity of that particular region including cryptogams and Phanerogams.
<b>No. of Students Participated</b>	22
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students learnt something new apart from class room teaching. In addition to this, they learned how to write field notes during data collection.



**Teacher In-charge**

**Head**

**Department of Botany**

**Head**

**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**

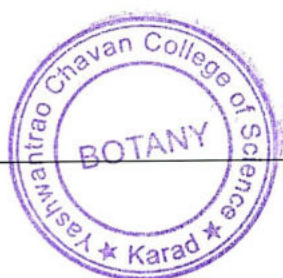
**Principal**

**Principal**

**Yashwantrao Chavan College of Science**  
**Karad**



Study Visit of B. Sc. Botany Students –  
Walmiki & Patan

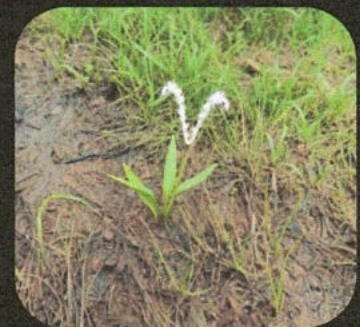
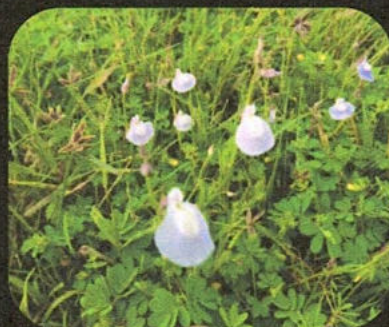




# Yashwantrao Chavan College of Science, Karad

## Department of Botany

### Study Tour Report



2018-19





Exam Seat No. -

Date: 12-9-2019

Roll No.- 3145

Shri Shivaji Education Society's, Board for Higher Education, Karad  
**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE,  
KARAD**



Vidyanagar, Karad - 415 124

AN ISO 9001:2015 CERTIFIED COLLEGE  
Reg: RQ91/5237



Accredited at the B<sup>++</sup> level by NAAC, Bangalore



**Department of Botany  
CERTIFICATE**

*This is to certify that*

*Shri / Smt. / Miss* Sathe Anjali Sanjay

*has satisfactorily attended the Botanical Excursion organized by the Department of Botany for the B.Sc. III course in Botany and that this excursion report represents his / her bonafide work in the year 2018-2019.*

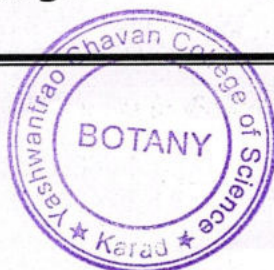
  
Teacher In-charge

  
Examiner

  
Head

Head

Department of Botany  
Yashwantrao Chavan College of  
Science, Karad



**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
Botanical Study Tour B. Sc. III  
(Walmiki)

Our one day Botanical Excursion was arranged to Walmiki on 1.09.2018.

The route of Excursion was –

**Karad**      **→**      **Walmiki**      **→**      **Karad**

Walmiki is a small village situated in Patan Taluka of Satara District. It is famous for ancient old historical temple of Walmiki Rishi. It is also a best place for the study of flowering plants. It is also rich in non-flowering plants in rainy season. The localities are rich in green algae, saprophytic fungi, parasitic fungi, bryophytes, pteridophytes and epiphytes in the monsoon season. Favorable climate and humus rich laterite soil, favors the luxuriant growth of the vegetation in the forest.

### **GEOGRAPHY AND CLIMATE OF WALMIKI –**

**Altitude:** 668 meters from mean sea level

**Temperature:** 16 - 33°C

**Relative humidity:** 65 to 95%

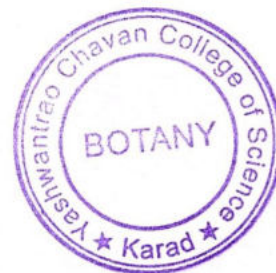
**Annual average rainfall:** 4000 to 6000 mm

**Forest type:** Mixed deciduous forests

#### **ALGAE:**

We have observed and collected various species of algae from water and moist places.

- |                           |                             |
|---------------------------|-----------------------------|
| 1. <u>Oscillatoria</u>    | Family -. Oscillatoriaceae. |
| 2. <u>Nostoc</u>          | Family - Nostocaceae.       |
| 3. <u>Spirogyra</u>       | Family - Spirogyraceae.     |
| 4. <u>Chara</u>           | Family - Characeae          |
| 5. <u>Batrachospermum</u> | Family - Batrachospermaceae |





## FUNGI

Fungi constitute the second important group of thallophytes. Fungi grow in water, soil, on other plants, animals as saprophyte or parasite. Certain fungi also grow as symbionts. Some fleshy fungi grow on soil as saprophytes or few hard bracket fungi growing on dead wood. Some are on leaves, branches and fruits of higher plants as parasites.

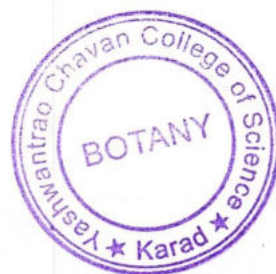
1. Agaricus sp.                      Family - Agaricaceae.  
With pink coloured basidiocarp growing on moist places
2. Peziza sp.                      Family - Pezizaceae  
Growing on dung of animals
3. Polyporus sp.                      Family - Polyporaceae  
Growing on dead wood of higher plants
4. Kulkarniella pavettae      Family - Pucciniaceae  
Rust growing on the leaves of Pavetta indica, brown or yellow coloured spots
5. Phyllachora sp.                      Family - Phyllachoraceae  
Tar spot on the leaves of Terminalia arjuna or black thick spot on leaves of Scutia indica.
6. Meliola holigarnae              Family - Meliolaceae  
Black circular cottony spot on the leaves of Holigarna sp

## BRYOPHYTES - Following important bryophytes we have collected

1. Riccia sp.                      Family - Ricciaceae  
Growing on moist places in the form of patches.
2. Targionia sp.                      Family - Targionaceae  
Common liverwort found around Koynanagar
3. Anthoceros sp.                      Family - Anthocerotaceae  
Commonly growing on moist places at Ghatmatha.
4. Funaria sp.                      Family - Funariaceae  
Growing on tree trunk or branches as epiphyte

## PTERIDOPHYTES - Koynanagar is also rich in vascular cryptogams.

1. Selaginella sp.                      Family - Selaginellaceae  
Grows on moist places, plant is erect, branched, bearing cones/ strobili at the apex
2. Marsilea sp.                      Family - Marsileaceae  
Quadrifoliate leaves



3. Adiantum sp. Family - Polypodiaceae

Grows on moist places on rocks

4. Pleopeltis sp. Family - Polypodiaceae

Epiphytic fern grows on the bark of trees

## ANGIOSPERMS

It is best place for the study of angiosperm plants. Following are few plants we have studied around Walmiki.

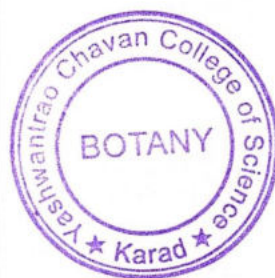
Sr. No.	Name of Plant	Family
1.	<i>Clematis gouriana</i> Roxb. ex DC.	Ranunculaceae
2.	<i>Atalantia monophylla</i> (L.) Corr.	Rutaceae
3.	<i>Swietenia mahagoni</i> (L.) Jacq.	Meliaceae
4.	<i>Nothapodytes nimmoniana</i> (Grah.) Mabb.	Icacinaceae
5.	<i>Scutia indica</i> Brongn.	Rhamnaceae
6.	<i>Ziziphus trinervia</i> Roxb.	Rhamnaceae
7.	<i>Leea indica</i> (Burm f.) Merr.	Vitaceae
8.	<i>Crotalaria retusa</i> L.	Fabaceae
9.	<i>Moullava spicata</i> (Dalz.) Nicols.	Caesalpiniaceae
10.	<i>Mimosa pudica</i> L.	Mimosae
11.	<i>Drosera indica</i>	Droseraceae
12.	<i>Terminalia arjuna</i> (Roxb.) Wt. & Arn.	Combretaceae
13.	<i>Eugenia jambolana</i> Lamk.	Myrtaceae
14.	<i>Centella asiatica</i> (L.) Urb.	Umbelliferae
15.	<i>Randia dumetorum</i> (Retz.) Lamk.	Rubiaceae
16.	<i>Oldenlandia corymbosa</i> L.	Rubiaceae
17.	<i>Pavetta indica</i> L.	Rubiaceae
18.	<i>Wendlandia notoniana</i> Wall. ex Wt. & Arn.	Rubiaceae
19.	<i>Ageratum conyzoides</i> L.	Asteraceae
20.	<i>Vernonia anthelmintica</i> (L.) Willd.	Asteraceae
21.	<i>Holarrhena pubescens</i> (Buch.-Ham.) Wall. ex G. Don.	Apocynaceae
22.	<i>Asclepias curassavica</i> L.	Asclepiadaceae





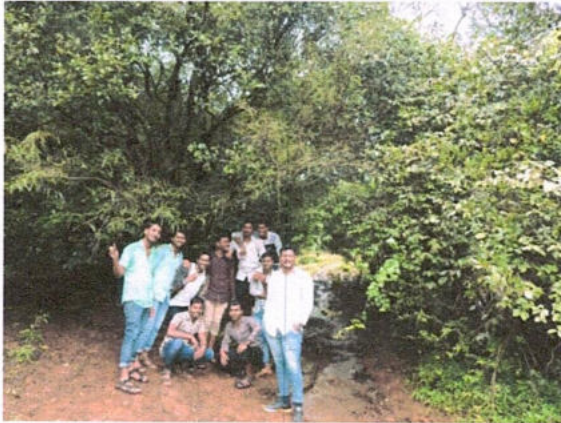
23.	<i>Ceropegia santapau</i>	Asclepiadaceae
24.	<i>Hoya wightii</i> Hook. f.	Asclepiadaceae
25.	<i>Trichodesma indicum</i> Lehm.	Boraginaceae
26.	<i>Cuscuta reflexa</i> Roxb.	Convolvulaceae
27.	<i>Utricularia striatula</i> Smith	Lentibulariaceae
28.	<i>Rhynchoglossum notonianum</i> (Wall.) Burt.	Gesneriaceae
29.	<i>Asteracantha longifolia</i> (L.) Nees.	Acanthaceae
30.	<i>Adathoda vasica</i> Nees	Acanthaceae
31.	<i>Stachytarpheta indica</i> (L.) Vahl.	Verbenaceae
32.	<i>Tectona grandis</i> L.	Verbenaceae
33.	<i>Colebrookea oppositifolia</i> J. E. Smith	Lamiaceae
34.	<i>Pogostemon parviflorous</i> Benth.	Lamiaceae
35.	<i>Polygonum glabrum</i> Willd.	Polygonaceae
36.	<i>Emblica officinalis</i> Garerntn.	Euphorbiaceae
37.	<i>Glochidion hohenackeri</i> Bedd.	Euphorbiaceae
38.	<i>Mallotus philippinensis</i> (Lam.) Muell.-Arg.	Euphorbiaceae
39.	<i>Trema orientalis</i> (L.) Bl.	Urticaceae
40.	<i>Vanda testacea</i> (Lindl.) Reichb.f.	Orchidaceae
41.	<i>Gloriosa superba</i> L.	Liliaceae
42.	<i>Smilax zeylanica</i> L.	Liliaceae
43.	<i>Caryota urens</i> L.	Arecaceae
44.	<i>Bambusa arundinacea</i> (Retz.) Willd.	Poaceae

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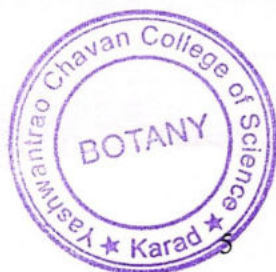
## Study tour at Walmiki



*Gloriosa superba*



*Aponogeton satarensis*





**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

Botanical Study Tour B. Sc. III

(Vengurla, Malvan and Kunkeshwar)

(LONG TOUR)

The Botanical Excursion tour was arranged at Vengurla, Malvan and Kunkeshwar from 4<sup>th</sup> to 5<sup>th</sup> January 2019 to study the plants growing in different ecological conditions. The main object of study tour was to study environmental, taxonomical, floristic and geographical aspects and variations of above places and observations of plants from these localities. We are interested in taxonomical & ecological study of lower and higher plants of the Western Ghats and coastal regions. Through this visit we got an idea about the natural vegetation and diversity of Western Ghats and Coastal region of Maharashtra state.

**Vengurla-**

We visited Regional Fruit Research Station which is one of the renowned research stations of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli (India), located at Vengurla, District Sindhudurg, Maharashtra. It was established in the year 1957, which undertake the research and extension work on fruit crops in general and mango and cashew in particular. The station has completed 50 glorious years of its commitment to the society and boasts a concrete contribution in research on mango and other tropical fruit crops that has influenced on the economy of the Konkan region. This station has recommended more than hundreds of production technologies including crop improvement, grafting technologies (epicotyl and soft-wood grafting), development of regular bearing mango varieties and paclobutrazol application for early and regular bearing in mango varieties are the milestones for expansion of the area as well as improvement of mango productivity. At this research station we visited grafting unit, fruit processing unit and research laboratory.

**Malvan -**

**GEOGRAPHY AND CLIMATE –**

**Coordinates:** 16°03'24" N and 73°28'08" E

**Altitude:** 5 meters from mean sea level

**Temperature:** 16 - 33°C

**Relative humidity:** 65 to 95%

**Annual average rainfall:** 2000 to 2300 mm

**Forest type:** Moist deciduous forests



Our interest of study at Malvan was to study the plant diversity. We are interested in taxonomical & ecological study of lower and higher plants of the coastal regions. Through this visit we got an idea about the natural vegetation and diversity of west coast region. During two days botanical excursion we visited different places of botanical interest at Malvan and adjoining areas.

### Fruit Crops:

A large number of fruit crop nurseries are present in Malvan and adjoining areas. Fruit crops like mango, cashewnut, coconut, kokam, jack fruit, Syzygium and Areca are commonly cultivated in the area.

- 1) *Anacardium occidentale* Family: Anacardiaceae [Cashewnut]

Small tree. Leaves ovate elliptic, flowers in terminal panicles. Fruit reniform, fleshy, dark yellow or orange coloured.

- 2) *Cocos nucifera* Family: Arecaceae [Coconut]

Tree. Stem covered with leaf scars. Flowers in spadix inflorescence. Fruits large, globose, hard.

- 3) *Garcinia indica* Family: Clusiaceae [Kokam]

Tree. Male and female flowers in axillary and terminal cymes. Berries spherical, purple orange-pink colored.

- 4) *Artocarpus heterophyllus* Family: Moraceae [Jackfruit]

Large, deciduous tree. Leaves broadly ovate. Flowers monoecious. Sorosis large, fleshy, hanging on branches and tru. Sorosis large, fleshy, hanging on branches and trunks.

- 5) *Syzygium cumini* Family: Myrtaceae [Jambhul]

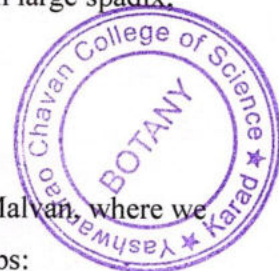
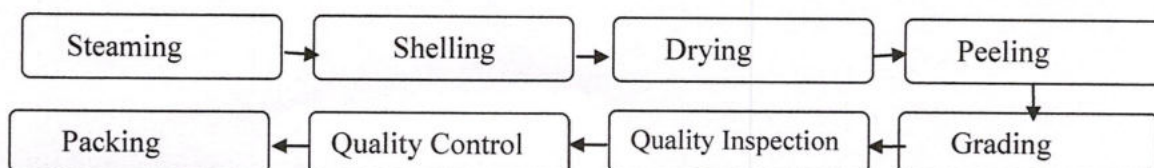
Large trees. Leaves opposite, gland dotted. Flowers fragrant, white, in cymes. Fruit a juicy, purple.

- 6) *Areca catechu* Family: Arecaceae [Supari]

A slender tall palm. Leaves pinnate, numerous. Flowers in large spadix. spathe boat shaped. Drupe small ellipsoid.

### VISIT TO CASHEW FACTORY:

Our next visit was organized at Laxmi Vishnu Cashew Factory Malvan, where we got an idea about cashew processing technique. It includes following steps:



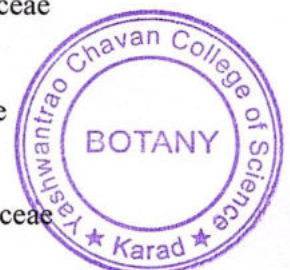


- 1) **Steaming:** The in-shell cashews are steamed under pressure to soften the shell. This causes the cashews inside to become loose and easier to remove in time.
- 2) **Shelling:** Each cashew shell is split open longitudinally and the cashew inside is immediately taken out by hand.
- 3) **Drying:** The skin on cashews is dried in an oven at low heat for a few hours to loosen the skin.
- 4) **Peeling:** The skin of each cashew is removed by hand and the cashew is simultaneously visually graded according to quality.
- 5) **Grading:** The whole cashew kernels are individually graded by hand.
- 6) **Quality Inspection:** The cashews of each grade are inspected according to the present quality standards for that grade.
- 7) **Quality Control:** The cashews are then put through a set of quality assurance measures heating in an oven, metal detection, dust aspiration and handpicking conveyor.
- 8) **Packing:** The cashews are packed in multilayer barrier pouches in a modified atmosphere of low oxygen and high carbon dioxide and nitrogen.

#### VISIT TO SINDHUDURG FORT:

It is a sea fort. This impressive Sindhudurg (meaning Ocean Fort), was built in 1664 by the great 17th century Maratha warrior, Shivaji on "Kurte" island to the glory of the Maratha Empire. Our main interest to visit the Sindhudurg fort was to study marine algae. These marine algae are also called as "Sea weeds" which grows on rocky substratum in shallow water. They are attached by hold-fast organs forming kelp beds just below the low-tide mark.

- |   |                       |
|---|-----------------------|
| 1. <i>Sargassum</i> species   | Family: Sargassaceae  |
| Thallus brown coloured, with receptacles and air bladders.          |                       |
| 2. <i>Laminaria</i> species (Red algae)                             | Family: Laminariaceae |
| Thallus shows distinct holdfast, stipe and a large flattened blade. |                       |
| 3. <i>Caulerpa racemosa</i> (Green algae)                           | Family: Caulerpaceae  |
| Thallus bears prostrate rhizome with number of assimilatory shoots. |                       |
| 4. <i>Fucus</i> species (Brown algae)                               | Family: Fucaceae      |
| Thallus is flat, leathery, ribbon like dark brown structures.       |                       |
| 5. <i>Padina</i> species (Mermaid's fan)                            | Family: Dictyotaceae  |
| Thallus is an erect fan like cluster of thin, flat branches.        |                       |

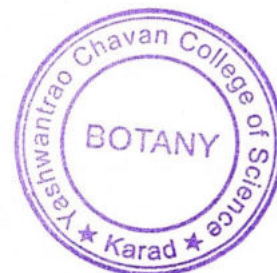


### VISIT TO ROCK GARDEN:

The Rock garden is situated on the Rocky Shore near the Chivala Beach. This garden is beautifully decorated by ornamental herbs, shrubs and trees like *Agave americana*, *Bambusa vulgaris*, *Calophyllum inophyllum*, *Cordia sebestina*, *Nerium* species, *Mussaenda glabrata*, *Stenotaphrum dimidatum*, *Zoysia japonica* etc.

### Other important Plants studied at Malvan and adjoining areas are as follow:

- 1) *Clematis gouriana* (Ran jai)                      Family - Ranunculaceae  
Climbing habit, hairy style persistent on fruits.
- 2) *Capparis spinosa*                                      Family - Capparidaceae  
Stipules modified into two hooked spines. Gynophore present.
- 3) *Scutia indica* (Chimat)                              Family - Rhamnaceae  
Thorny shrub, spines recurved, umbel inflorescence.
- 4) *Leea indica* (Dinda)                                  Family - Vitaceae  
Large shrub with pinnately compound leaves, young leaves brown.
- 5) *Mangifera indica* - (Mango)                      Family - Anacardiaceae  
A large tree, evergreen fruit edible.
- 6) *Crotolaria juncea*                                      Family - Fabaceae  
Erect hairy shrub, flowers bright yellow. Fruit pod.
- 7) *Fragaria indica* (Straberry)                      Family - Rosaceae  
Small herb, short thick stem, trifoliate leaves, fruit aggregate.
- 8) *Eugenia jambolana* (Jambal)                      Family Myrtaceae  
Tree, bark white, Intramarginal vein, fruits edible.
- 9) *Memecylon umbellatum* – Anjan                      Family - Melastomaceae  
Small tree, leaves dark green, flowers umbellate cyme.
- 10) *Woodfordia floribanda* (Dhayati)                      Family - Lythraceae  
Growing on dark places on rocks, stem angular, flowers red.
- 11) *Pavetta indica*    Family - Rubiaceae  
Shrub, stipules triangular, interpetiolar, flower white.
- 12) *Coffea arabica* (coffee)                              Family - Rubiaceae  
Shrub, interpetiolar stipules, fruits used for coffee.
- 13) *Randia dumetorum* (Gehala)                      Family - Apocynaceae  
Small tree, strong straight nearly opposite spines, stipules obovate.





- 14) *Ageratum conyzoids* Family - Asteraceae  
Erect herb, heads, flowers pale blue or white, roadside weed.
- 15) *Nothapodytes nimmoniana* (Narkya, Ghanera) Family – Icacinaceae  
Shrub, leaves broad, glabours, flower yellow with foetid smell.
- 16) *Carrisa carandas* (Karvand) Family - Apocynaceae  
Large evergreen shrubs, twin spines, stigma dumbell shaped.
- 17) *Carvia callosa* (Karvi) Family - Acanthaceae  
Small shrub rough rigid stem, leaves opposite, Honey is obtained.
- 18) *Lantana camara* (Ghaneri) Family - Verbenaceae  
Small shrub, flowers white or red or pink, stem spiny angular.
- 19) *Pogostemon parviflorus* (Pangali) Family - Lamiaceae  
Four to six feet tall, stem quadrangular, leaves with odour.
- 20) *Celebrookea oppositifolia*  
Much branched shrub, stem quadrangular, flower spike.
- 21) *Actinodaphne hookeri* (Pisa) Family - Lauraceae  
Tree, leaves hairy, flowers dioecious, yellowish.
- 22) *Lasiosiphon eriocephalus* – (Ramata, Datpadi) Family - Thymeleaceae  
Much branched shrub, leaves sub sessile perianth silky.
- 23) *Elaeagnus latifolia* (Ambgul, Nerli) Family - Elaeagnaceae  
Much branched shrub, young stem running over large trees. Lower surface of leaves glistering silvery - white, flowers straw coloured.
- 24) *Glochidion hohenackeria* (Bhoma) Family - Euphorbiaceae  
Medium sized tree, leaves stipulate flowers greenish yellow. Female flowers deep - yellow.
- 25) *Smilax zylanica* (Chopchini) Family - Liliaceae  
A climber with the help of tendrils, leaves simple, flowers umbel.
- 26) *Bambusa arundinacea* (Kalak) Family - Poaceae  
Culms erect, thorny, hollow.
- 27) *Caryota urens* (Fish-tail palm) Family - Palmae  
Tall plants, unisexual, flowers compound spadix - ornamental.
- 28) *Dendrobium sp.* Family - Orchidaceae  
Epiphytic orchid, leaves absent at the time of flowering.



### Kunkeshwar-

Kunkeshwar is a small sea-side pilgrimage centre in Devgad taluka of Sindhudurg district in Maharashtra. It is famous not only for its scenic beauty, but also for the ancient temple said to have been built by some unknown sea-farer. The background of the Arabian Sea increases its serene and solemn atmosphere. Different species of algae are observed at rocky substratum of sea shore.

### List of Marine Algae found at Kunkeshwar-

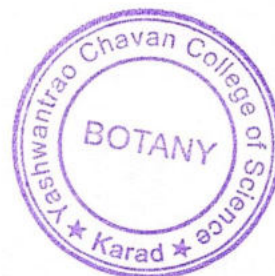
- |   |                       |
|---|-----------------------|
| 1. <i>Sargassum</i> species               | Family: Sargassaceae  |
| 2. <i>Laminaria</i> species (Red algae)   | Family: Laminariaceae |
| 3. <i>Caulerpa racemosa</i> (Green algae) | Family: Caulerpaceae  |
| 4. <i>Fucus</i> species (Brown algae)     | Family: Fucaceae      |
| 5. <i>Padina</i> species (Mermaid's fan)  | Family: Dictyotaceae  |

### Adaptations observed in Mangroves –

Mangroves are adapted for survival in sheltered saline habitats along coasts. Mangroves can live in fresh water but normally occupy tidal areas where fresh water plants cannot live. They possess number of adaptations for different ecological and physiological processes. We observed some adaptations in mangroves.

- 1) **Salt secretion** – Secreted salt is seen on leaves of *Avicinia officinalis*
- 2) **Aeration** – Slender pneumatophores in *Avicinia officinalis*
- 3) **Mechanical support** – Prop roots also called stilt roots perform anchoring in loose substratum observed in *Rhizophara mucronata*.
- 4) **Vivipary** – Vivipary i.e. seed germinates while fruit is still attached to the mother plant observed in *Rhizophara mucronata* and *Cereops tagal*

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## Study Tour at Vengurla, Malvan and Kunkeshwar



Study of *Gnetum*



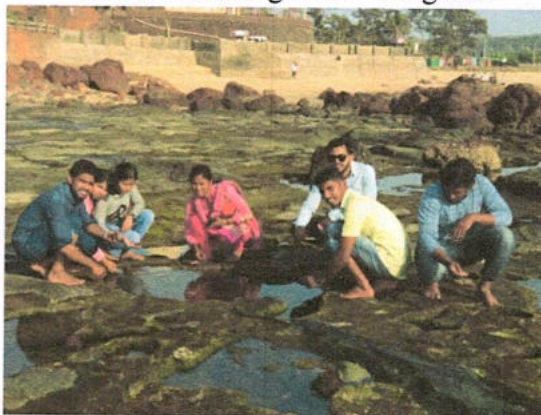
Regional Fruit Research Station, Vengurla



Fruit Processing Unit - Vengurla



Study of Mangroves



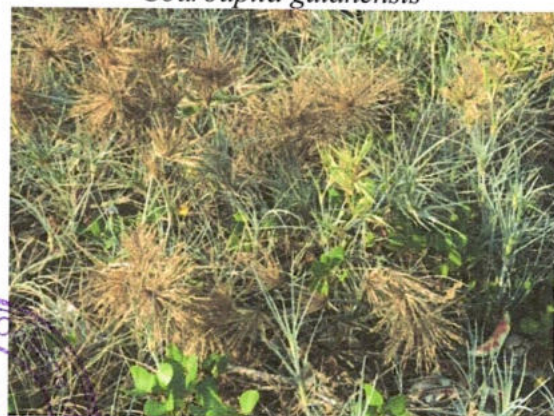
Study of Marine Algae - Kunkeshwar



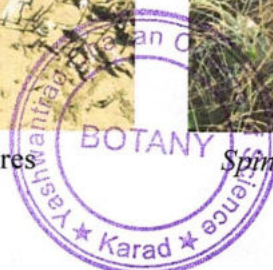
*Couroupita guianensis*



Mangrove pneumatophores



*Spinifex littoreus* – Sea shore grass

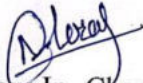




**Yashwantrao Chavan College of Science, Karad**  
**Department of Computer Science**  
**Industrial Visit 2018-19**  
**NOTICE**

**Date: 10.01.2019**

To all Students of the B.Sc. CS Optional III and B.C.S. III are hereby inform that the industrial visit has been organized at **BIYANI TECHNOLOGIES PVT Ltd, Kolhapur** on 19<sup>th</sup> Jan, 2019. You have to pay contribution Rs. 1000/- to Mr. N. V. Thorat Sir by 15<sup>th</sup> Jan, 2019.

  
Tour In- Charge

  
Head

**Head**  
**Department of Computer Science**  
Yashwantrao Chavan College of Science,  
Karad





**Yashwantrao Chavan College of Science, Karad**  
**Department of Computer Science**  
**B.C.S. III & B.Sc. III CS (Optional)**  
**Industrial Visit 2018-19**

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**Schedule**

**Date of Departure and arrival :- 19<sup>th</sup> January 2019**

- a) Gathering of student and staff :- 6:30 am
- b) Departure from Karad :- 7:00 am
- c) Biyani Technology Pvt. Ltd. Kolhapur :- 11:00 am-2:00pm
- d) Lunch :- 2:00 pm to 3:00pm
- e) Visit to New Shahu Palace, Kolhapur :- 3:00- 4:30 pm
- f) Departure for Karad :- 5:00 pm
- g) Arrival at Karad :- 7:00pm

  
**Tour in Charge**

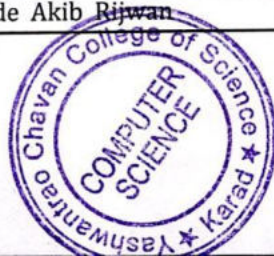


  
**Head**  
**Department of Computer Science**  
**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**B.Sc. CS (Entire) III**  
**STUDY TOUR ATTENDANCE 2018-19**

Date : 19/01/2019

Sr. No.	Roll No.	Name of the Students	Sign
1	7301	BAGAL MRUNALI SATISH	M. Bagal
2	7302	Bagal Vishvajeet Avinash	V. Bagal
3	7303	CHAVAN URMILA DINKAR	Urmila Chavan
4	7304	Chikane Akshay Suresh	Akshay Chikane
5	7305	DHOTRE NEHA KIRAN	Dh. N. K.
6	7306	Dubal Vaibhav Bajrang	V. B. Dubal
7	7307	GHADGE PRAGATI HANMANT	Han Gadge
8	7308	GHADGE SHIVANI DINESH	S. G. Gadge
9	7309	GUJAR PRANALI PRADIP	P. Pranali
10	7310	Inamdar Mangesh Sunil	M. Inamdar
11	7311	INGALE ANJALI RAMESH	A. Ingale
12	7312	Jadhav Rushikesh Hanmant	R. Jadhav
13	7313	Jadhav Suhas Sadashiv	S. Jadhav
14	7314	KACHARE MADHURI MAHADEO	M. Kachare
15	7315	Kadam Rushabh Anil	R. Kadam
16	7316	KAMBLE ASHWINI SUKUMAR	A. Kamble
17	7317	Khandait Pratik Shankar	P. Khandait
18	7318	Kukanur Chand Dastgir	C. Dastgir
19	7319	MANE PRAJAKTA JAYWANT	P. Mane
20	7320	MANE RAJASHRI BABASO	R. B. Mane
21	7321	Momin Shahrukh Rashid	S. Momin
22	7322	More Akshay Sudam	A. More
23	7323	Mull Saimraj Mubarak	S. Mull
24	7324	MULLA NAJIYA SALIM	N. S. Mulla
25	7325	Nikam Siddhesh Satish	S. Nikam
26	7326	Patel Deepam Sanjaykumar	D. Patel
27	7327	Patel Kushal Pravin	K. P. Patel
28	7328	Patel Sohel Ashid	S. Patel
29	7329	Patil Ashish Vishwas	A. Patil
30	7330	PAWAR ADITI ASHOK	A. Pawar
31	7331	SALUNKHE SARAI SANJAY	S. Salunkhe
32	7332	Sawant Shivraj Dilip	S. Sawant
33	7333	Shaikh Sohail Chand	S. Shaikh
34	7334	Shetty Dipesh Ramesh	D. Shetty
35	7335	SHINDE NEHA DIPAK	N. Shinde
36	7336	SHINDE RAJASHRI PRITHVIRAJ	R. Shinde
37	7337	Shinde Vikram Laxman	V. Shinde
38	7338	THORAT POOJA SANTOSH	P. Thorat
39	7339	Tupe Sandeshkumar Chandrakant	S. C. Tupe
40	7340	YADAV MAYURI SUNIL	M. Y. Y. S.
41	7341	YADAV RUTUJA PRASHANT	R. Y. P.
42	7342	Peerzade Akib Rijwan	A. Peerzade



Head  
 Department of Computer Science  
 Yashwantrao Chavan College of Science  
 Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**B.Sc. CS (Optional) III**  
**STUDY TOUR ATTENDANCE 2018-19**

Date : 19/01/2019

Sr. No.	Roll No.	Name of the Students	Sign
1	3101	Jadhar Suraj Raghunath	<i>Jadhar</i>
2	3102	JAGADALE PRAJAKTA RAJENDRA	<i>P Jagdale</i>
3	3103	Kamble Rohit Bhanudas	<i>Kamble</i>
4	3104	Kulkarni Guruprasad Dilip	<i>Gurukulkarni</i>
5	3105	PALANGE MAYURI MAHENDRA	<i>MM Palange</i>
6	3106	PATIL SAYALI BALKRUSHNA	<i>Patil</i>
7	3107	PUJARI KOMAL RAVINDRA	<i>Komal</i>
8	3108	SHAIKH SHABNAM SALIM	<i>Shahid</i>
9	3109	Thorat Aniket Ashok	<i>Thorat</i>
10	3110	VYAS PRACHI SANDIP	<i>Vyas</i>
11	3111	LADE DISHA ASHOK	<i>Jade Disha</i>
12	3112	Lohar Sanjyot Suhas	<i>Shukume</i>



*[Signature]*

**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**

**Yashwantrao Chavan College of Science, Karad**  
**Department of Computer Science**  
**B.C.S. III & B.Sc. III CS (Optional)**  
**Industrial Visit 2018-19**

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- 1) **Name of the Department** :- Computer Science
- 2) **Class and Subject for which tour arranged** :- B.C.S. III & B.Sc. III CS (Optional)
- 3) **No. of students accompanying** :- 54
- 4) **Place of visits and approximate distance of traveling**  
Places :- Biyani Technology Pvt. Ltd. Kolhapur  
Distance :- 300km(approx.)
- 5) **Mode of journey** :- Travels
- 6) **Date of Departure and arrival** :- 19<sup>th</sup> January 2019
  - a) Gathering of student and staff :- 6:30 am
  - b) Departure from Karad :- 7:00 am
  - c) Biyani Technology Pvt. Ltd. Kolhapur :- 11:00 am-2:00pm
  - d) Lunch :- 2:00 pm to 3:00pm
  - e) Visit to New Shahu Palace, Kolhapur :- 3:00- 4:30 pm
  - f) Departure for Karad :- 5:00 pm
  - g) Arrival at Karad :- 7:00pm
- 7) **Name of the Staff accompanying tour** :- Mr. Thorat N. V., Miss. Jagtap N. R.,  
Miss. Pusegavkar D., Miss. Rawate A.
- 8) **Name of non teaching staff accompanying tour if required** :- 1. Mr.Mandave Y.S.  
2. Mr.Pandharapatte G.N.

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

  
**Tour in-Charge**



  
**Head**  
**Department of Computer Science**  
Yashwantrao Chavan College of Science  
Karad



### Glimpse of visit at Biyani Technologies:



### At New Palace, Kolhapur:


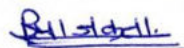


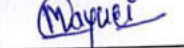

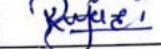

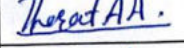
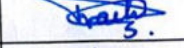
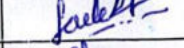





# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## Department of Computer Science B.Sc. III CS Study Tour 2018-2019 UNDERTAKING

We the undersigned students of B.Sc. III (Computer science) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour

Sr. No.	Roll No.	Name of the Students	Address	Contact No of Student	Contact No of Parents	Student Sign
1	3101	Jadhar Suraj Raghunath	MARUL HAVELI TAL. PATAN DIST. SATARA	9763707084	7972512159	
2	3102	JAGADALE PRAJAKTA RAJENDRA	SHIRWADE TAL. KARAD DIST. SATARA	7378535226	8806918879	
3	3103	Kamble Rohit Bhanudas	AHIRWAD CHAWL, ANDHERI E, MUMBAI-69.	7798566802	7977027074	
4	3104	Kulkarni Guruprasad Dilip	SUMITRARAJE H. SOCIETY PL. NO. 58, SHAHUNAGAR, SATARA	8237838519	9763432009	
5	3105	PALANGE MAYURI MAHENDRA	AT POST CHAREGAON TAL KARAD DIST SATARA	7559292892	9765126745	
6	3106	PATIL SAYALI BALKRUSHNA	KOREGAON TAL.KARAD DIST.SATARA	7558501320	9822975278	
7	3107	PUJARI KOMAL RAVINDRA	KALGAON TAL.KARAD DIST: SATARA	9130204812	9604904811	
8	3108	SHAIKH SHABNAM SALIM	MUJAWAR COLONY KARAD		9762692315	
9	3109	Thorat Aniket Ashok	BELDARE TAL.KARAD DIST:SATARA	9325103598	7875066726	
10	3110	VYAS PRACHI SANDIP	SOMWAR PETH, PAWASKAR GALLI, KARAD	9359986876	9881911157	
11	3111	LADE DISHA ASHOK	GOWARE TAL.KARAD DIST.SATARA	7028826371	9923433675	
12	3112	Lohar Sanjyot Suhas	KATARKHATAV TAL-KHATAV DIS-SATARA	7721021566	9881983051	



  
**Head**  
Department of Computer Science  
Yashwantrao Chavan College of Science,  
Karad



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

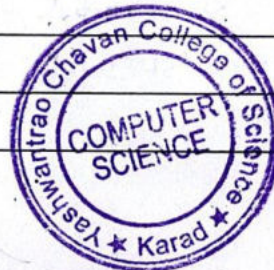
## Department of Computer Science

### B.Sc. CS (Entire) III Study Tour 2018-2019

#### UNDERTAKING

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Sr. No.	Roll No.	Name of Student	Address	Contact No. of Student	Contact No. of Parent	Student Sign
1	7301	BAGAL MRUNALI SATISH	A/P-Hajarmachi T-Karad D-Satara	9763302546	9763302546	AB
2	7302	Bagal Vishvajeet Avinash	A/P Katarkhatav, Tal:khatav, Dist : Satara	9689939363	7588561299	VBagal
3	7303	CHAVAN URMILA DINKAR	A/P Mundhe, Tal:Karad, Dist:Karad	9766581930	9545980149	Chavan
4	7304	Chikane Akshay Suresh	442, Shaniwar Peth, Nakashpura, Satara.	8855088673	7517917879	Chikane
5	7305	DHOTRE NEHA KIRAN	A/P-Vita T-Khanapur D-Sangli	9511852035	9860545018	dhotre
6	7307	GHADGE PRAGATI HANMANT	A/P- Umbraj Br ,Tal-Karad, Dist-Satara.	9545228553	9763192472	Phadge
7	7308	GHADGE SHIVANI DINESH	Kinara Aprt. Near D. K. Palakar high school somwar peth karad	7378334754	8379854551	Shivani
8	7309	GUJAR PRANALI PRADIP	A/P-Aundh T-Khatav D-Satara	9130312752	9922274868	Pradip
9	7310	Inamdar Mangesh Sunil	A/p palasgaon ,Tal- Khatav, Dist-satara	7083042619	9021234608	Inamdar
10	7311	INGALE ANJALI RAMESH	A/P-Oglewadi T-Karat D-Satara	9834008599	9850596481	ARLE
11	7312	Jadhav Rushikesh Hanmant	A/P kapil, tal-karad, dist-satara	9604974245	9766019729	R.H. Jadhav
12	7313	Jadhav Suhas Sadashiv	A/P Shenawadi, Tal-Khatav, Dist-Satara	7057729249	9689819248	Suhas J.
13	7314	KACHARE MADHURI MAHADEO	A/P-Vasantgad, Tal-Karad, Dist-Satara	9665093237 9145628211	8796229981	Kachare
14	7315	Kadam Rushabh Anil	A/P-Krushnakunj, Samarthnagar Umbraj	7741813095	9850485900	Rushabh
15	7316	KAMBLE ASHWINI SUKUMAR	A/P-Shelewadi T-Radhanagri D-Kolhapur	9834525005	9420136051	Ashwini
16	7317	Khandait Pratik Shankar	A/P banavdi, Tel-karad, Dist-satara	9850325137	9730396462	P.S. Khandait
17	7318	Kukanur Chand Dastgir	A/P naikaba, Tel -patan, Dist-satara	8411961074	8197102307	C. Kukanur
18	7319	MANE PRAJAKTA JAYWANT	A/p-Charegoan T-Karad D-Satara	7350181846	9168227196	





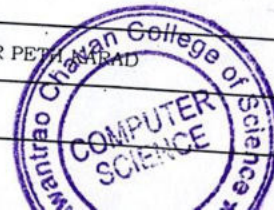
# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## Department of Computer Science B.Sc. CS (Entire) III Study Tour 2018-2019

### UNDERTAKING

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Sr. No.	Roll No.	Name of Student	Address	Contact No. of Student	Contact No. of Parent	Student Sign
19	7320	MANE RAJASHRI BABASO	A/p Umbraj, Tal-Karad Dist- Satara	9763666018	9768223731	Rmane
20	7321	MOMIN SHAHARUKH RASHID	A/P TARALE TAL. PATAN DIS. SATARA	9049427242	8208715359	Shaharukh
21	7322	More Akshay Sudam	At/pt.-Murud, Tall- Patan, Dist.-Satara	9527857686	9145719119	Akshay
22	7323	Mull Saimraj Mubarak	at post Karve Takula Karad	7350822734		Saimraj
23	7324	MULLA NAJIYA SALIM	A/p-Karve, Tal-Karad, Dist-Satara	9145515228 7249024648	7350175015	Najiya
24	7325	Nikam Siddhesh Satish	KARANJE PETH SATARA dist SATARA	8382960803	8600651101	Siddhesh
25	7326	Patel Deepam Sanjaykumar	flat no 7, malaidevi appt, shastrinagar, malkapur, karad	9145453688	9881179636	Deepam
26	7327	Patel Khushal Pravin	530/Shaniwar Peth, karad	9096155526	8999588601	Khushal
27	7328	Patel Sohel Ashid	A/P WAGHERI TAL. KARAD DIS. SATARA	8600532372	9890994864	Sohel
28	7329	Patil Ashish Vishwas	A/P-Atake, Tal-Karad, Dist-Satara	7709656309	9356315048	Ashish
29	7330	PAWAR ADITI ASHOK	At.Shinganwadi Po. Chapahl Tal. Patan Dist. Satara	8412905067	8551921938	Aditi
30	7331	SALUNKHE SARAI SANJAY	A/P. Belwade Haveli, Tal-Karad, Dist-Satara	9673180502	9527470671	Sarai
31	7332	Sawant Shivraj Dilip	A/P. 241/2 SHANIWAR PETH, TAL- KARAD, DIST-SATARA	7588637416		Shivraj
32	7333	Shaikh Sohail Chand	Vidyanagar karad, behind holy family school	9767931586	9881670242	Sohail
33	7334	Shetty Dipesh Ramesh	A/P- Agashivnagar, Malakapur Tal-Karad, Dist-Satara	9021910006	9595463476	Dipesh
34	7335	SHINDE NEHA DIPAK	A/p-Ghonshi T-Karad D-Satara		8806316520	Neha
35	7336	SHINDE RAJASHRI PRITHVIRAJ	A/P - 443 BEHIND CITY POILCE STATION SHIVAR PETH, KARAD	7741883134	9075077192	Rajashri
36	7337	Shinde Vikram Laxman	Vidyanagar karad, back of sgm college	7038576184	9930299155	Vikram





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Department of Computer Science**  
**B.Sc. CS (Entire) III Study Tour 2018-2019**  
**UNDERTAKING**

We the undersigned students of B.C.S. III (Computer science) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of Student	Address	Contact No. of Student	Contact No. of Parent	Student Sign
37	7338	THORAT POOJA SANTOSH	A/p-Ghonshi T-Karad D-Satara	9145301445	9158988158	<i>Pooja Thorat</i>
38	7339	Tupe Sandeshkumar Chandrakant	A/P-KADHENE, TAL-PATAN, DIST-SATARA	7507377617	9923789323	<i>Sandeep Tupe</i>
39	7340	YADAV MAYURI SUNIL	A/P- KADEPUR TAL. -KADEGAON DIST- SANGLI	9158979327	7028684832	<i>Mayuri Yadav</i>
40	7341	YADAV RUTUJA PRASHANT	A/P-Hajarmachi T-Karad D-Satara		9764891616	<i>Rutuja Yadav</i>
41	7342	Peerzade Akib Rijwan	A/P-BAGANI T-WALWA D-SANGALI	7030371141	9503410603	<i>Akib Peerzade</i>



*[Signature]*  
**Head**  
**Department of Computer Science**  
**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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

**Ref No:-**

**Date**

**To,**

**The Manager,**

**Digitech Elevators, Karad.**

**Subject : About Visiting lift installation**

Respected Sir,

we have industrial visit as a part of Syllabus. Hence Student of B.Sc.II or III want to wish digitech elevators . Please allow us for the visit

No. of Student Visiting will be 32, Two Teacher will escort them.

Please allow us for the visit & oblige.

**Thanking You,**

**Yours faithfully,**

**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:-

Date

To,

The Manager,

Digitech Elevators, Karad.

Subject : Thanking letter

Respected Sir,

Student of B.Sc.II or II visited Digitech Elevator on 26/02/2019, Tuesday,

For learning lift installation at Saidapur sight. They learnt lift installation in detail.  
They gained Knowledge about elevators.

Thank You for this useful information.

Thanking You,

Yours faithfully,

**Principal**

**Yashwantrao Chavan College of Science, Karad**

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

**DEPARTMENT OF ELECTRONICS**

**CERTIFICATE**

*Industrial Visit 2018-2019*

This is to certify that Mr./Miss. Shaikh Azamana Mahibub

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 26 February 2019.

  
Tour In-charge

  
Examiner

13/3/19

  
HOD

**HEAD**

Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad





## Industrial Visit Report

Department of Electronics arranged industrial visit on 16<sup>th</sup> February 2019. 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 3:30 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. §



# Yashwantrao Chavan College of Science Karad

## Department of Electronics

### TOUR REPORT

2018-19

B.Sc-II

Digi-Tech Elevators, karad-Lift Installing in a Building Saidapur, Eagle Heights.


Name of Student- **Yadav Pooja Sanjay**

Roll No - **1025**

Exam Seat No- **30102**

  
Teacher in charge



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

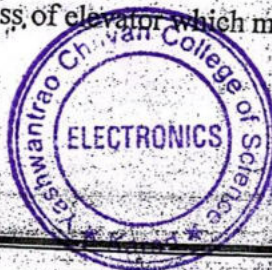


# INSTALLING OF A LIFT

On 2/4/2019 we visited the lift in a building named , Eagle heights in Saidapur for knowing the information about installing of elevator. Elevator is a just brilliant idea that allowed modern skyscrapers to the clouds. It was the invention in 1861 of the safe and reliable elevator by man Elisha Graves Otis of yonkers,new York he literally change the face of the earth by developing a machine which gives the relief to residence. We all see the elevator in so many buildings and always think that how much fun when we travel in it. So for this excitement by knowing how it works and their function our Electronics Department arranged the visit.

Visiting place is near to our college so we decided to walk around the destination. at that time the temperature is so much increased because of that we felt thirsty and tired but after reach that destination we feel better. At the destination one guide is present, he gave us brief knowledge about the elevator.He told that elevator is one of the best operating system which minimizes the human efforts. Elevators don't just hang from single cable, there are several strong cable supporting the car in case one breaks then they told that about the parts of elevator first one is speed governors. the speed governors is the regulating system elevator.If the elevator runs more than speed limit governer control.

all the functions are controlled by the motherboard in elevator circuit.They give commands to the all parts of the elevator.In the control system includes light, machines and electricity is mainly responce for the equivalent of the human brain ,it gathers the elevator running status,corresponding analog signal output,control elevator running properly and safely. this are the main process of elevator which makes the working fast and easier.





In the first half of the twentieth century, almost all elevators had no automatic positioning of the floor on which the cab would stop. Some of the older freight elevators were controlled by switches operated by pulling on adjacent ropes. In general, most elevators before WWII were manually controlled by elevator operators using a rheostat connected to the motors. This rheostat was enclosed within a cylindrical container about the size and shape of a cake.

They told about the general controls of the lift. Overload sensors prevent the elevator from moving until excess load has been removed; it may trigger a full car indicator, indicating the inability to accept more passengers until some are unloaded. Electric fans or air conditioning units to enhance circulation and comfort. Elevators in high traffic buildings often have a nudge function which will close the doors at a reduced speed, and sound a buzzer if the door open button is being deliberately held down, or if the door sensors have been locked for too long time.

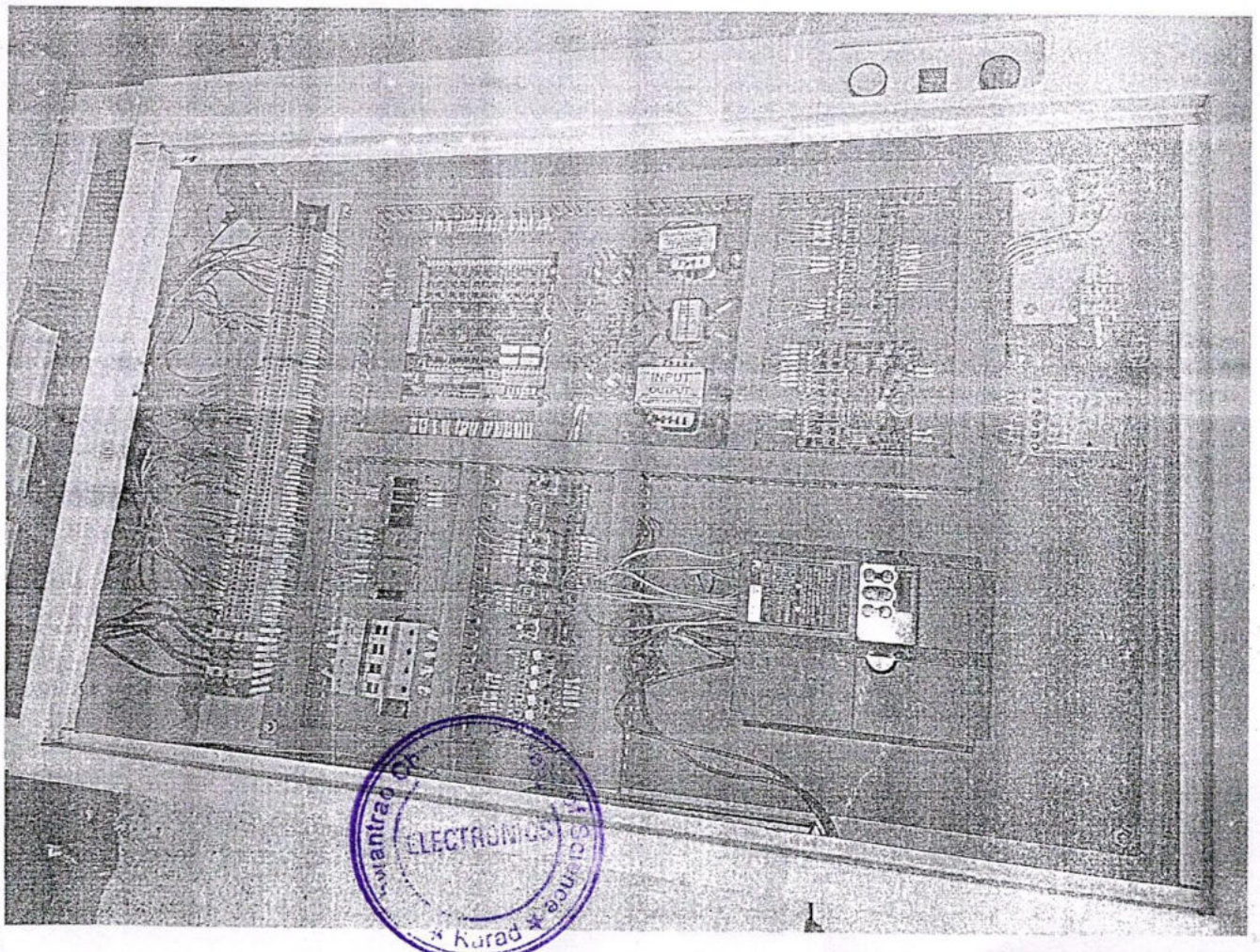
The elevator algorithm has found an application in computer operating systems as an algorithm for scheduling hard disc requests. Modern elevators use more complex heuristic algorithms to decide which request to service next.

After getting all this information we had clicked some photographs with the circuit panel and took our group photo and then we started our return journey.

Our visit is a very short time visit but we got huge information from it. We are all very satisfied with this visit. All these things happened because of our teachers Mrs. M.P. Sarwade madam and Mr. A.H. Sonavale sir and our huge thanks to our principle Kengar sir. They gave us permission to visit this place.









**Yashwantrao Chavan College of Science Karad**

**Department of Electronics**

**TOUR REPORT**

**2018-19**

**B.Sc-II**

**Digi-Tech Elevators, karad-Lift Installing in a Building Saidapur, Eagle Heights.**

Name of Student- **Patil Sonali Jaywant.**

  
Teacher in charge



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



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In the first half of the twentieth century, almost all elevators had no automatic positioning of the floor on which the cab would stop. Some of the older freight elevators were controlled by switches operated by pulling on adjacent ropes. In general, most elevators before WWII were manually controlled by elevator operators using a rheostat connected to the motors. This rheostat was enclosed within a cylindrical container about the size and shape of a cake.

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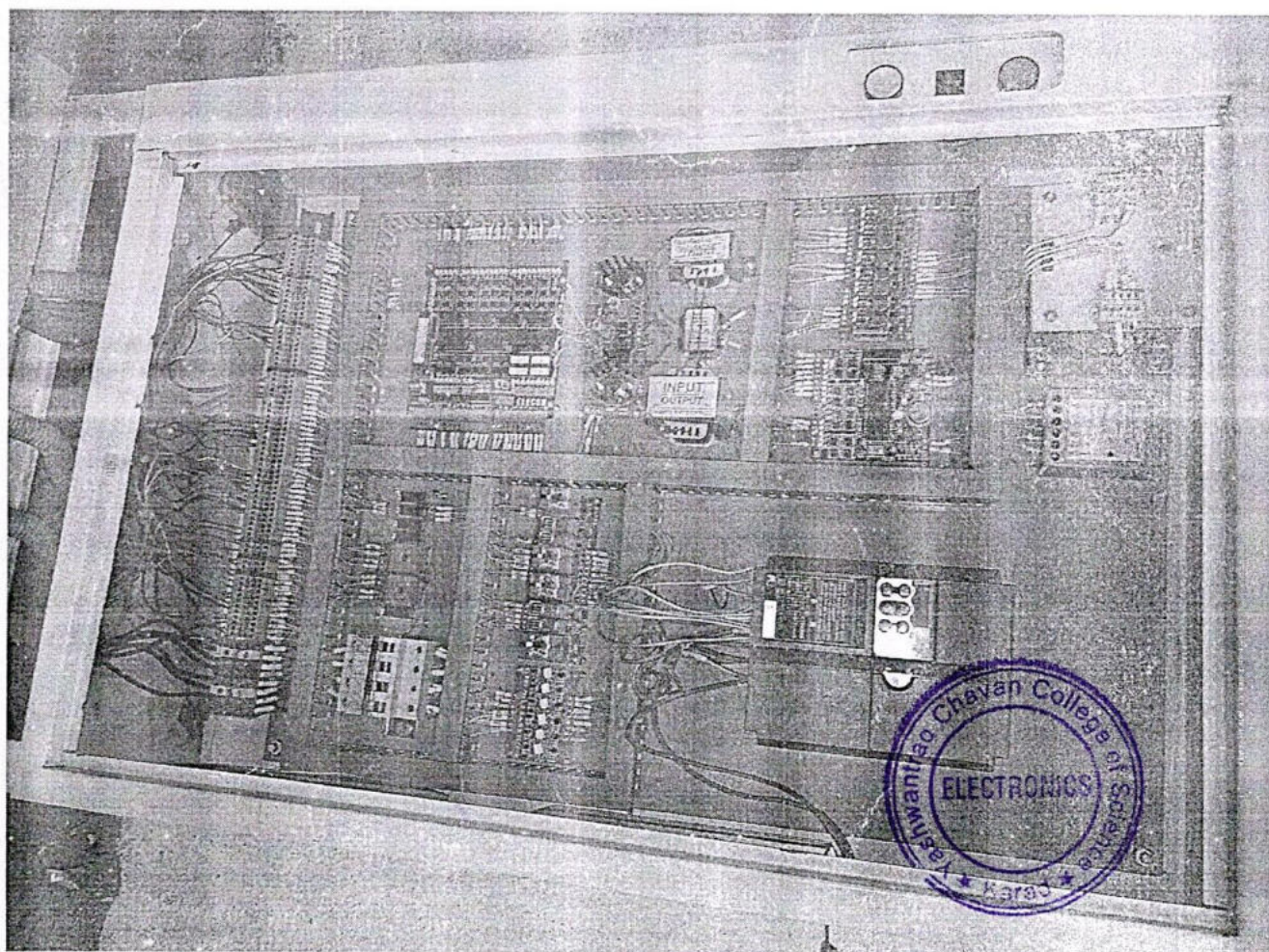
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**Yashwantrao Chavan College of Science Karad**

**Department of Electronics**

**TOUR REPORT**

**2018-19**

**B.Sc-II**

**Digi-Tech Elevators, karad-Lift Installing in a Building Saidapur, Eagle Heights.**

Name of Student-


**Nangare Aishwarya Shankar**

  
Teacher in charge



**NO**



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



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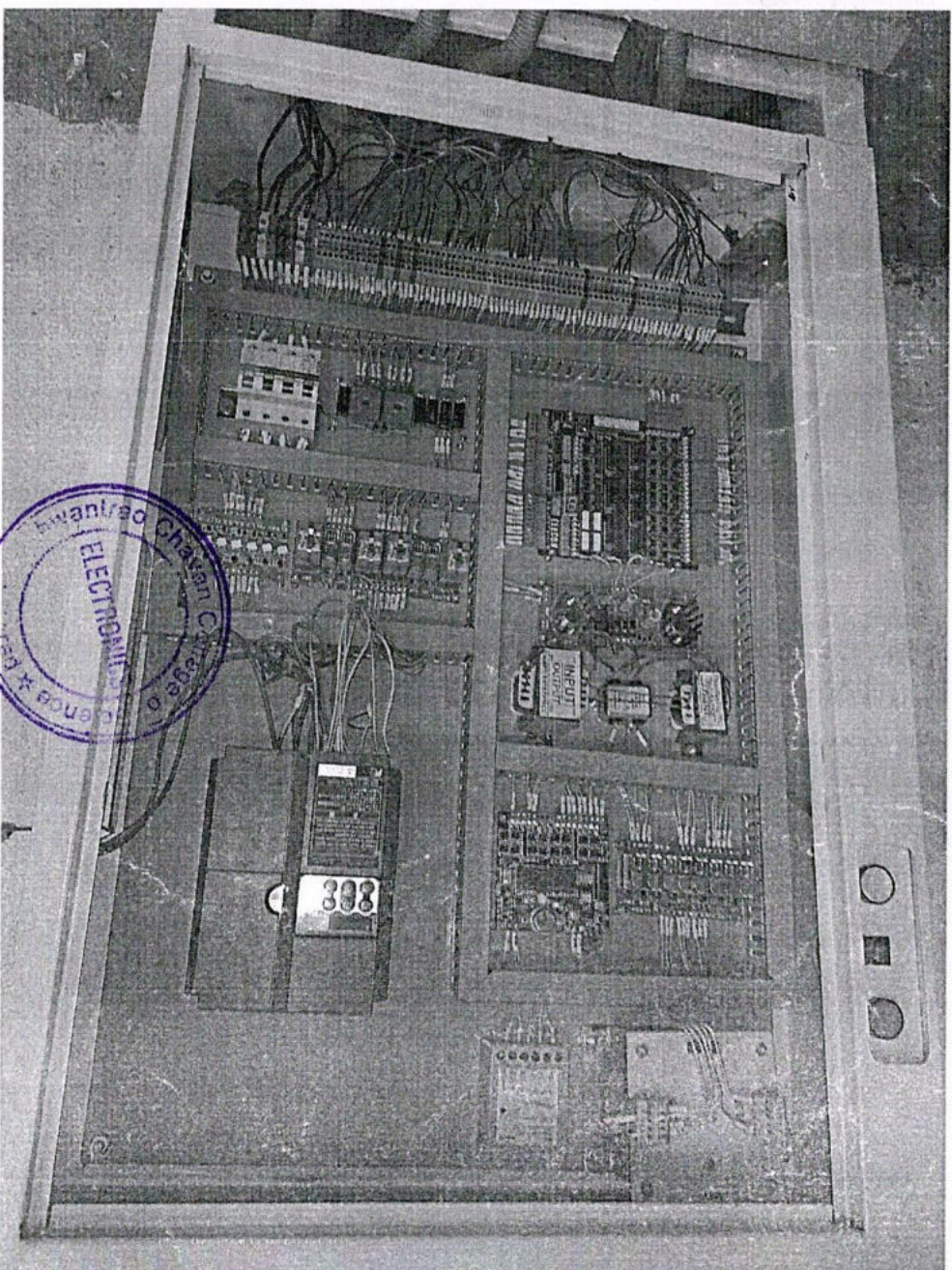
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68/19  
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.

Department of Zoology

B.Sc. II ( Study Tour )

Date - 02/01/2019

Study tour of above class is arranged to Harne Bandar 05<sup>th</sup>  
Jan. 2019. This is for information to all concern.



*Kalambe*

Head

Dept. of Zoology



## **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

DAY:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

### **STUDY TOUR REPORT**

**Year 2018-2019**

**CLASS: B. Sc. II Zoology**

**TOTAL NUMBER OF STUDENTS: 163**

**DATES OF STUDY TOUR: 5<sup>th</sup> Jan, 2019**

**PLACES OF VISIT: Harne Bandar**

**MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)**

**NAMES OF THE TEACHERS ACCOMPANYING:**

- 1) Shri. Pawar v.v
- 2) Shri Bansode D.L
- 3) Mrs .Mandale -Naik T.S
- 4) Miss Achare A.R
- 5) Mrs Yadav P.C
- 6) Miss Karpe P.V

**DATE & TIME OF DEPARTURE FROM KARAD: ; 5 th Jan , 2019 6 am.**

**DATES & PLACES OF VISIT:**

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
5th Jan, 2019	Harne Bandar	Students gained knowledge about the habitat of fish

**DATE & TIME OF ARRIVAL AT KARAD: 5 th Jan, 2019 10 pm.**



Teacher in-charge





Head  
Department of Zoology

Yashwantrao Chavan College of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF ZOOLOGY**

**ZOOLOGY STUDY TOUR B.SC. II    Date - 29/12/2018**

**A) INSTRUCTIONS TO THE STUDENTS**

- 1) All students have to assemble at College stand by 6.00 am sharp on 5<sup>th</sup> Jan. 2019.
- 2) All students must carry identity card with them.
- 3) Student should not carry any valuables with them, if they do so the responsibility rests with them.
- 4) Under any circumstances students should not leave the team without prior permission and should follow the instruction by the teachers.
- 5) Any mis-behavior during the tour will not be tolerated and will be reported to college authority.
- 6) Collection instruments- Straight scissor, large forcep, plastic bag.
- 7) All students should carry Tiffin (lunch), Binocular, Hat.
- 8) As per the syllabus tour is compulsory.

**STUDY TOUR PROGRAMME**

<u>Date</u>	<u>From</u>	<u>Departure Time</u>	<u>To</u>	<u>Arrival Time</u>
-------------	-------------	-----------------------	-----------	---------------------

05/01/2019	Collection at Harne Bandar -	2.30pm to 5.30pm.
------------	------------------------------	-------------------

05/01/2019	6.00 pm	Karad	10.00 pm
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Department: - Zoology
Signature: <i>Kalambe</i>
Date of Display: 29/12/2018
Date of Removal: 6/1/2019



*Kalambe*  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department of Zoology**

**B.Sc. II ( Study Tour )**

**Date:- 29/12/2018**

- 1) Name of the Department : Zoology
- 2) class & Subject for which study tour is arranged.- B.Sc. II- Zoology
- 3) Number of students accompanying – 163
- 4) Place of visit & Approximate distance of traveling- Harne Bandar- 200 km
- 5) Date of departure and arrival -- Departure - 05 / 01 / 2019- 6.00 am  
Arrival - 05 / 01 / 2019- 10.00 pm
- 6) Mode of journey -- By Hired vehicle
- 7) Name of the staff members accompanying tour.

- 1) Shri. Pawar. V. V.
- 2) Shri. Bansode. D. L.
- 3) Mrs. Mandale-Naik. T. S.
- 4) Miss. Achare. A. R.
- 5) Mrs. Yadav. P. C.
- 6) Miss. Karpe. P. V.

*Kalavade*  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad  
Dept. of Zoology

Department	Zoology
Signature	<i>Kalavade</i>
Date of Display	29/12/2018
Date of Removal	01/1/2019





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## 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

Accredited B\*\* Level by NAAC, Bangalore

AN ISO 9001-2000 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Department of Zoology

Date - 30/12/2018

B.Sc. II. STUDY TOUR - 2018 - 19

Following are the bonafide students and teaching & Non - teaching staff of our college, they are travelling from Karad to Harne Bandar and back.

Sr. No	Roll No	Name of the Student	Age	Mobile No	
1	1586	Shaikh Shahin Kashim	19		7038675463
2	1484	Kadam Supriya Rajendra	19	9075453695	9922274918
3	1517	Yadav Sakshi Balasaheb	19	7798078538	9552182569
4	1383	Gadave Anjali Rajendra	19	7775922484	8483846812
5	1573	Awaghade Vishakha Gorakh	19	8698421838	7798072074
6	1559	Kamble Ankita Shbhash	19	8975296718	9921340565
7	1564	Shaikh Shifa Saied	19	9545045442	9890526178
8	1556	Jagtap Shweta Ankush	19	8805082484	9527390340
9	1568	Tiramare Aarti Vikas	19	8856076103	9970665683
10	1164	Patil Nikita Sanjay	19	8600733172	9730613377
11	1182	Thorat Pranita Mohan	19	9130862235	9881258662
12		Jadhav Dhanashri Jeevan	19	8308128292	9822428701
13		Desai Saniya Riyaj	19	7447511198	9850216261
14		Jadhav Dipali Madan	19	8459845488	8888091720
Staff					
1		Miss. Karpe. P. V.	25		
2		Mrs. Yadav. P. C.	26		



*P. Karpe*  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad

*[Signature]*  
Principal,  
Yashwantrao Chavan College  
of Science, Karad





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Department of Zoology

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## BUS NO - 1

Sr. No	Roll No	Name of the Student	Age	Student Mob. No	Parent Mob. No.
1	823	Shinde Sampada sudam	20	9850345346	7028456601
2	817	Sabale Subhangi Shahaji	20	7410590687	9850345346
3	1399	Mane Pallavi Shivaji	20	9503035450	9766162790
4	1397	Mane Apeksha Ganpat	20	8530135716	9850250685
5	1578	Jagdale Sonal Rajendra	20	9657991590	7038271395
6	1574	Chavan Shubhada Satyawar	20	8530952231	9503189918
7	1581	Kumbhar Snehal Vitthal	20	8698954071	8380806559
8	1403	More Vishal Anil	19	8530873483	9860356561
9	1372	Bhosale Ashish Shashikant	19	7083024000	9766667615
10	1396	Lokare Vaibhavi Dattatray	19	7066822822	9970796901
11	1580	Kale Shweta Vishwanath	20	8600899552	9623820476
12	1585	Pote Ankita Rajendra	20	9860523497	9881086750
13	1406	Nawale Ashwini Bhaskar	20	7057503809	9975758101
14	1427	Thorat Ankita Suryakant	19	8806342497	9665076267
15	1425	Shirke Nita Sunil	19	8379831240	9822856586
16	1433	Yadav Shivani Sunil	19	7744838913	7083845319
17	1515	Desai Ruruja Kumar	19	9665713417	9096532599
18	1590	Yadav Shivani Dhanaji	19	9075019437	9561172066
19	1409	Patil Rajeshri Jagannath	19	9763156642	7038827790
20	1468	Chavan Sayali Hanamant	19	9284954614	9923755700
21	1481	Kadam Priyanka Anandrao	19	9284454052	8007519574
22	1482	Kadam Shweta Shankar	19	9049399730	9420630974
23	1508	Sankpal Pranita Dinkar	19	9359021040	8806441940
24	1159	Lohar Amruta Dinkar	20	7448189067	7350721442
25	1144	Deshmane Pooja Kalidas	19	8806096438	9765477461
26	1604	Nalawade Nikhil Maruti	20	7758959956	8390460397
27	1532	Patil Amruta Pralhad	20	9689311880	9766114999
28	1606	Patil Shailaja Balaso	20	7028406639	9764254676
29	1538	Shete Varsharani Prakash	20	7709390735	8411044441
30	1589	Yadav Ashwini Ashok	20	7057604759	9850175968
31	1400	Mane Prajкта Sambhaji	19	7263944008	9975692981
32	1398	Mane Mayuri Tanaji	19	9860887105	9881985477
33	1394	Kharat Rutuja Nana	19	8605344630	9665409583
34	1146	Jadhav Nimesh Laxman	19	7387790126	9168525245
35	1185	Yadav Omkar Ashok	19	8600760457	9881016163
36	1428	Thorat Mayuri Shankar	20	9067180024	7083664434
37	1414	Pawar Swapnali Sunil	20	8600892540	7219865040
38	1597	Detake Shamburaj Pandurang	19	8412504337	9595994729
39	1187	Yadav Rutuja Tanaji	19	7057133809	9422050916
40	1188	Yantamna Savitra Shivappa	19	8788570424	9922265120
41	1183	Tupe Aishwarya Shivaji	19	9503004343	9890111128
42	1598	Kadam Pooja Satish	19	8796025453	7040794644
43	1603	More Arti Narayan	20	7744055992	9527552535
44	1566	Shinde Maheshwari Bhairavnath	20	9623782871	9096658371
45	1510	Sawant Sanket Sanjay	19	9130245893	9921066525
46	1609	Sartape Supriya Sidhu	20	7720882831	7756815242
47	1180	Samarde Nirnanjan Laxman	20	80072162170	9970251441
48	1509	Sarkar Kajal Paraesh	19	8208318264	9730824223
49	1371	Bhide Ankita Aniruddha	19	8208953345	7588162077

ZOOLOGY

Teaching and Non- Teaching Staff

1

Shri. K. D. More

2

Miss. A. R. Achare

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad

Principal,

Yashwantrao Chavan College of Science, Karad









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Department of Zoology  
B.Sc. II. STUDY TOUR - 2018 - 19

Date - 30/12/2018

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## BUS NO - 3

Sr. No	Roll No	Name of the Student	Age	Student Mob. No	Parent Mob. No.
1	1554	Gaikwad Pooja Vishwas	20	9881090186	7588221092
2	1384	Gaikwad Pratiksha Dilip	20		7507175816
3	1588	Waghmare Dipali Ramesh	19	7559293009	7218371371
4	1587	Sonavale Aparna Sunil	19	9552075693	9552280795
5	1535	Pawar Madhura Sanjay	19	9665122590	9665160075
6	1536	Sagavakar Prerana Pravin	19	9623683718	7066528479
7	1542	Yadav Snehal Tanaji	19	9767603053	7774070598
8	1577	Gharal Vidya Vitthal	19	9604807995	9921448774
9	1145	Dubal Akshay Anandrao	20	7798302166	9975438314
10	1153	Kamble Mahesh Ramesh	20	7028316998	8485016005
11	1177	Shewale Prasad Prakash	19	9561403973	7387177336
12		Pawar Priya Ravindra	19	7038664546	9860945559
13		Pawar Priyanka Satish	19	8956064509	7350465038
14		Pawar Mayuri Appaso	19	7083458496	9623113611
15	1413	Pawar Sayali Pralhad	19	9075777680	9822590689
16	1412	Pawar Anita Abaji	20	7820781890	9822191194
17	1582	Momin Amaan Sattar	20	9623778768	9723887848
18	1463	Chavan Aarti Sunil	19	9112462829	96571097111
19	1576	Dubal Sayali Anil	19	8007672629	9604052498
20		Dhavale Omkar Umesh	19	8407952499	9130261411
21		Patil Rushikesh Chandrakant	19	9404019181	9850719181
22	1488	Maskar Pratiksha Janardhan	19	8600773806	9890268640
23	1432	Yadav Nikita Abaso	20	9561363739	7420843763
24	1408	Patil Pooja Tanaji	20	8308929956	9561937675
25	1429	Thorat Prajakta Rajaram	19	7397805588	8600728742
26	1401	Mohite Tejashri Bhimrao	19	9552823653	8007168961
27	1430	Thorat Vrushali Dinkar	19	9730587359	7028391512
28	1418	Shah Komal Sushil	19	8847745248	9823141374
29	1405	Musale Sapana Balaso	19	7218187610	9763539681
30	1461	Ashtekar Ankita Sagar	19	7798659030	7798704657
31	1464	Chavan Aishwarya Arun	19	9130872879	9975788868
32		Patil Prashant Dinkar	20	9503921994	8108439169
33	1583	Mulla Mohin Majamuddin	20	9172821197	9766052473
34	1550	Bhosale Somnath Pandurang	20	9822862080	8828097105
35		Jadhav Suraj Suraj Shivaji	20	9665457230	7875356155
36		Khochare Vijay Dattatraya	19	7798194907	7350565246
37	1600	Katkar Ganesh Bhawan	19	9890732153	8600339477
38	1174	Salunkhe Sayali Bhagawan	20	9130647316	9270170844
39	1171	Phatak Monika Pandurang	19	7058996546	9146616164
40	1154	Kandare Gouri Bharat	19	9158139356	9011287539
41	1184	Tupe Sayali Bhagawan	19	7709805411	9975601293
42	1151	Jagtap Rituja Ashok	19	9130611437	9881483922
43	1553	Chavan Nilam Sanjay	19	7743828152	9657824731
44	1560	Lokhande Shivani Jeevan	20	9284156037	9545724350
45	1562	Mane Kirti Jaysing	20	9604473997	9637589486
46	1561	Mane Charushila Hemant	19	9284231545	9881178978
47	1557	Kadam Dipali Tanaji	20	9284231545	9011572585
48	1386	Honrao Rutuja Rajendra	19	7263920794	9822755794
49	1387	Honrao Shivani Dilip	19	9860049686	9921330294
50		Shinde Aishwarya Jaysing	20	7743997144	8007552646

Staff

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad

Principal, Yashwantrao Chavan College of Science, Karad





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Department of Zoology Date - 30/12/2018  
UNDERTAKING B.Sc. II. STUDY TOUR - 2018 - 19

We are undersigned students of B.Sc.II(Zoology) are attending an educational tour with our teachers to Harne Bandar 05/01/2019 (6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughout the tour.

Sr. No	Name of the Student (BUS NO - 1)	Mobile No	Signature
1	Shinde Sampada sudam	9850345346	<i>[Signature]</i>
2	Sabale Subhangi Shahaji	7410590687	<i>[Signature]</i>
3	Mane Pallavi Shivaji	9503035450	<i>P.S. Mane.</i>
4	Mane Apeksha Ganpat	8530135716	<i>Apeksha</i>
5	Jagdale Sonal Rajendra	9657991590	<i>Sonal Jagdale</i>
6	Chavan Shubhada Satyawar	8530952231	<i>Shubhada</i>
7	Kumbhar Snehal Vitthal	8698954071	<i>Sr. Kumbhar.</i>
8	More Vishal Anil	8530873483	<i>Vishal</i>
9	Bhosale Ashish Shashikant <i>V. Kirde - KM</i>	7083024000	<i>Ashish</i>
10	Lokare Vaibhavi Dattatray	7066822822	<i>Vaibhavi</i>
11	Kale Shweta Vishwanath	8600899552	<i>Shweta</i>
12	Pote Ankita Rajendra	9860523497	<i>Ankita</i>
13	Nawale Ashwini Bhaskar	7057503809	<i>Nawale AB</i>
14	Thorat Ankita Suryakant	8806342497	<i>Asthorat</i>
15	Shirke Nita Sunil	8379831240	<i>Nitirke</i>
16	Yadav Shivani <i>Sunil Vilas</i>	7744838913	<i>Shivani</i>
17	Desai Ruruja Kumar	9665713417	<i>Ruruja</i>
18	Yadav Shivani Dhanaji	9075019437	<i>Shivani</i>
19	Patil Rajeshri Jagannath	9763156642	<i>Rajeshri</i>
20	Chavan Sayali Hanamant	9284954614	<i>Sayali</i>
21	Kadam Priyanka Anandrao	9284454052	<i>Kadam</i>
22	Kadam Shweta Shankar	9049399730	<i>Kadam</i>
23	Sankpal Pranita Dinkar	9359021040	<i>Pranika</i>
24	Lohar Amruta Dinkar	7448189067	<i>Amruta</i>
25	Deshmane Pooja Kalidas	8806096438	<i>Pooja</i>
26	Nalawade Nikhil Maruti	7758959956	<i>Nalawade</i>
27	Patil Amruta Pralhad	9689311880	<i>Amruta</i>
28	Patil Shailaja Balaso	7028406639	<i>Shaila</i>
29	Shete Varsharani Prakash	7709390735	<i>Shete</i>
30	Yadav Ashwini Ashok	7057604759	<i>Ashwini</i>
31	Mane Prajкта Sambhaji	7263944008	<i>Prajakta</i>
32	Mane Mayuri Tanaji	9860887105	<i>Mayuri</i>
33	Kharat Rutuja Nana	8605344630	<i>R.N.K</i>
34	Jadhav Nimesh Laxman	7387790126	<i>Nimesh</i>
35	Yadav Omkar Ashok	8600760457	<i>Omkar</i>
36	Thorat Mayuri Shankar	9067180024	<i>Mayuri</i>
37	Pawar Swapnali Sunil	8600892540	<i>Swapnali</i>
38	Detake Shamburaj Pandurang	8412504337	<i>Shamburaj</i>
39	Yadav Rutuja Tanaji	7057133809	<i>Rutuja</i>
40	Yantamna Savitra Shivappa	8788570424	<i>Savitra</i>
41	Tupe Aishwarya Shivaji	9503004343	<i>Aishwarya</i>
42	Kadam Pooja Satish	8796025453	<i>Pooja</i>
43	More Arti Narayan	7744055992	<i>Arti</i>
44	Shinde Maheshwari Bhairavnath	9623782871	<i>Maheshwari</i>
45	Sawant Sanket Sanjay	9130245893	<i>Sanket</i>
46	Sartape Supriya Sidhu	7720882831	<i>Supriya</i>
47	Samarde Niranjan Laxman	80072162170	<i>Samarde</i>
48	Sarkar Kajal Paraesh	8208318264	<i>Kajal</i>
49	Bhide Ankita Aniruddha	8208953345	<i>Ankita</i>
50	Patil Shweta Subhash	9527919685	<i>Shweta</i>

7218811008  
9518508639







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Sr. No	Name of the Student (BUS NO - 2)	Mobile No	Signature
1	Dhemare Rutuja Sudhir	7350187564	<i>[Signature]</i>
2	Desai Suman Shankar	8412902283	<i>[Signature]</i>
3	Yadav Omkar Dinkar	7709377381	<i>[Signature]</i>
4	Jadhav Omkar Sunil	8600774155	<i>[Signature]</i>
5	Chavan Rutuja Rajaram	8378819401	<i>[Signature]</i>
6	Koli Priya Rajendra	8862029645	<i>[Signature]</i>
7	Desai Sharvari Rajendra	8669880291	<i>[Signature]</i>
8	Chandugade Pratiksha Ramchandra	8308606228	<i>[Signature]</i>
9	Deshmukh Anjali Adhikrao	9561974512	<i>[Signature]</i>
10	Patil Aishwarya Dhanaji	7757972476	<i>[Signature]</i>
11	Mulla Sana Babasab	9370921639	<i>[Signature]</i>
12	Reur Fareen Mohammad	7841876829	<i>[Signature]</i>
13	Reur Faranaz Mohammad	7841876829	<i>[Signature]</i>
14	Barge Digambar Anandrao	7350725223	<i>[Signature]</i>
15	Chavan Ajay Rajendra	9309964729	<i>[Signature]</i>
16	Patil Varsharani Manaji	9823089569	<i>[Signature]</i>
17	Thorat Suraj Dilip	9834152377	<i>[Signature]</i>
18	Sakunde Prajakta Dhananjay	7066895853	<i>[Signature]</i>
19	Kumbhar Pushpa Madhukar	9623556632	<i>[Signature]</i>
20	Kothawale Priyanka Sunil	9970927875	<i>[Signature]</i>
21	Gaikwad Akshay Chandrakant	9405121758	<i>[Signature]</i>
22	Sable Saurabh Chandrakant	7040865597	<i>[Signature]</i>
23	Thorat Shankar Bhimrao	7447315662	<i>[Signature]</i>
24	Patil Sneha Bhauso	9673721428	<i>[Signature]</i>
25	Patil Mayuri Mahadev	9112666499	
26	Deshmukh Komal Anil	9850444618	<i>[Signature]</i>
27	Kajari Neha Mansing	7391874119	<i>[Signature]</i>
28	Sonawale Shivani Ramesh	9881526018	<i>[Signature]</i>
29	Nawale Anuradha Rajesh	7972974158	<i>[Signature]</i>
30	Pol Shraddha Mohan	9823643295	<i>[Signature]</i>
31	Vishwakarma Priteekumari Rajkumar	9834093353	<i>[Signature]</i>
32	Vishwakarma Anjali Rajesh	9834093353	<i>[Signature]</i>
33	Sawant Tejashri Tanaji	8317278505	<i>[Signature]</i>
34	Yadav Anuja Prakash	7028764883	<i>[Signature]</i>
35	Kank Rajashri Sambhaji	9975015321	<i>[Signature]</i>
36	More Madhuri Dinkar	9881562822	<i>[Signature]</i>
37	Salave Sonali Arun	8605601683	<i>[Signature]</i>
38	Shaikh Sana Ramjan	7040173263	<i>[Signature]</i>
39	Bhagwat Divya Dhondiram	7875713272	<i>[Signature]</i>
40	Borkar Sneha Shankar	7218344848	<i>[Signature]</i>
41	Borkar Rutuja Madhukar	7028284212	<i>[Signature]</i>
42	Suryawanshi Swapnil Ganesh	9049256975	<i>[Signature]</i>
43	Kashid Prasad Ravindra	7758066705	<i>[Signature]</i>
44	Shinde Aniket Santosh	9579411295	<i>[Signature]</i>
45	Barge Prajakta Sambhaji	9850284890	<i>[Signature]</i>
46	Salunkhe Pranali Mansing	9284513016	<i>[Signature]</i>
47	Jagtap Kajal Ulhas	7350820633	<i>[Signature]</i>
48	Kadam Dhanashree Vijaykumar	9637300882	<i>[Signature]</i>
49	Vishwakarma Reshma Suryabhan	7350112619	<i>[Signature]</i>

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad



*[Signature]*  
Principal,

Yashwantrao Chavan College  
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Department of Zoology

Date - 30/12/2018

## UNDERTAKING B.Sc. II. STUDY TOUR - 2018 - 19

We are undersigned students of B.Sc.II(Zoology) are attending an educational tour with our teachers to Harne Bandar 05/01/2019 (6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Sr. No	Name of the Student (BUS NO - 3)	Mobile No	Signature
1	Gaikwad Pooja Vishwas	9881090186	P.V.Gaikwad
2	Gaikwad Pratiksha Dilip	9665167202	Pratiksha
3	Waghmare Dipali Ramesh	7559293009	R. Waghmare
4	Sonavale Aparna Sunil	9552075693	A. Sonavale
5	Pawar Madhura Sanjay	9665122590	M. Pawar
6	Sagavakar Prerana Pravin	9623683718	P. Sagavakar
7	Yadav Snehal Tanaji	9767603053	S. T. Yadav
8	Gharal Vidya Vitthal	9604807995	V. Gharal
9	Dubal Akshay Anandrao	7798302166	A. Dubal
10	Kamble Mahesh Ramesh	7028316998	M. Kamble
11	Shewale Praasad Prakash	9561403973	P. Shewale
12	Pawar Priya Ravindra	7038664546	P. Pawar
13	Pawar Priyanka Satish	8956064509	P. S. Pawar
14	Pawar Mayuri Appaso	7083458496	M. Pawar
15	Pawar Sayali Pralhad	9075777680	S. Pawar
16	Pawar Anita Abaji	7820781890	A. Pawar
17	Momin Amaan Sattar	9623778768	A. Momin
18	Chavan Aarti Sunil	9112462829	A. Chavan
19	Dubal Sayali Anil	8007672629	S. Dubal
20	Dhavale Omkar Umesh	8407952499	O. Dhavale
21	Patil Rushikesh Chandrakant shingari S. R	9404019181	R. Patil
22	Maskar Pratiksha Janardhan	8600773806	P. Maskar
23	Yadav Nikita Abaso	9561363739	N. Yadav
24	Patil Pooja Tanaji	8308929956	P. Patil
25	Thorat Prajakta Rajaram	7397805588	P. Thorat
26	Mohite Tejashri Bhimrao	9552823653	T. Mohite
27	Thorat Vrushali Dinkar	9730587359	V. Thorat
28	Shah Komal Sushil	8847745248	K. Shah
29	Musale Sapana Balaso	7218187610	S. Musale
30	Ashtekar Ankita Sagar	7798659030	A. Ashtekar
31	Chavan Aishwarya Arun	9130872879	A. Chavan
32	Patil Prashant Dinkar	9503921994	P. Patil
33	Mulla Mohin Majamuddin	9172821197	M. Mulla
34	Bhosale Soninath Pandurang	9822862080	S. Bhosale
35	Jadhav Suraj Shivaji	9665457230	S. Jadhav
36	Khochare Vijay Dattatraya	7798194907	V. Khochare
37	Katkar Ganesh Bhawan	9890732153	G. B. Katkar
38	Salunkhe Sayali Bhagawan Ashok	9130647316	S. Salunkhe
39	Phatak Monika Pandurang	7058996546	M. Phatak
40	Kandare Gguri Bharat	9158139356	G. Kandare
41	Tupe Sayali Bhagawan	7709805411	S. Tupe
42	Jagtap Rituja Ashok	9130611437	R. Jagtap
43	Chavan Nilam Sanjay	7743828152	N. Chavan
44	Lokhande Shivani Jeevan	9284156037	S. Lokhande
45	Mane Kirti Jaysing	9604473997	K. Mane
46	Mane Charushila Hemant	9284231545	C. Mane
47	Kadam Dipali Tanaji	9284231545	D. Kadam
48	Honrao Rutuja Rajendra	7263920794	R. Honrao
49	Honrao Shivani Dilip	9284231545	S. Honrao
50	Shinde Aishwarya Jaysing	7743828152	A. Shinde

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad



Principal,

Yashwantrao Chavan College  
of Science, Karad





Estd. 1958

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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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B\*\* Level by NAAC, Bangalore

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

Department of Zoology

Date - 30/12/2018

### UNDERTAKING B.Sc. II. STUDY TOUR - 2018 - 19

We are undersigned students of B.Sc.II(Zoology) are attending an educational tour with our teachers to Harne Bandar 05/01/2019 (6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Sr. No	Name of the Student (BUS NO - 3)	Mobile No	Signature
1	Shaikh Shahin Kashim	9038675462	S. Shaikh
2	Kadam Supriya Rajendra	9075453695	S. Kadam
3	Yadav Sakshi Balasaheb	7798078538	S. Yadav
4	Gadave Anjali Rajendra	7775922484	A. Gadave
5	Awaghade Vishakha Gorakh	8698421838	A. Awaghade
6	Kamble Ankita Shbhash	8975296718	A. Kamble
7	Shaikh Shifa Saied	9545045442	S. Shaikh
8	Jagtap Shweta Ankush	8805082484	S. Jagtap
9	Tiramare Aarti Vikas	8856076103	A. Tiramare
10	Patil Nikita Sanjay	8600733172	N. Patil
11	Thorat Pranita Mohan	9130862235	P. Thorat
12	Jadhav Dhanashri Jeevan	8308128292	D. Jadhav
13	Desai Saniya Riyaj	7447511198	S. Desai
14	Jadhav Dipali Madan	8459845488	D. Jadhav

Kalambe

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad



Principal,  
Yashwantrao Chavan College  
of Science, Karad



Estd. 1958

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**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

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Ref / G4c/2018-19

Date - 28/12/2018

To,

The Principal,

Dr. Balasaheb Sawant Kokan Krishi Vidyapith,

Fishery College,

Shirgaon, Ratnagiri.

Sub- Permission to visit Fishery Center.

Sir,

A party of 25 Zoology and Biotechnology student of B.Sc.III and two professor intends to visit your highly esteemed center for educational purpose. The party will reach at your center on 10<sup>th</sup> Jan. 2019. Here with I request you to sanction them the necessary permission to visit your center and also provide them valuable guidance to observe the Fishery center.

Thanking You.



Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad

Yours Faithfully,

Principal,  
Yashwantrao Chavan College  
of Science, Karad





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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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### Department of Zoology

Date - 29/12/2018

#### B.Sc. III. STUDY TOUR - 2018 - 19

Following are the bonafide students and teaching & Non - teaching staff of our college, they are travelling from Karad to Ratnagiri and back.

Sr. No	Name of the Student	Age	Mobile No	Parents Mobile No
1	GHARGE PRAMOD MANOHAR	20	9850654086	7066969233
2	JAMADADE KARUNA KISAN	20	7083659081	7887740063
3	MANE SWATI JAYSING	19	9604138673	<del>SPARE</del> 9637589486
4	PATIL PRAJAKTA SANDIP	20	9112305491	9881367702
5	PAWAR PRATIKSHA KRISHNAT	20	7219484720	9503901522
6	GHARGE PRATIKSHA RAGHUNATH	20	7558392670	<del>Phone</del> 9921873071
7	JADHAV MAYURI GANGARAM	20	7719906558	<del>#</del> 9011570674
8	BHOSALE KOMAL UTTAM	20	9960933865	9370795489
Staff				
1	Dr. Mrs. V. I. Kalamade	56		
2	Miss. D. S. Narule	25		

*V. I. Kalamade*  
for Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad



*[Signature]*  
Principal,  
Yashwantrao Chavan College  
of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.

Department of Zoology

B.Sc. II ( Study Tour )

Date:- 29/12/2018

- 1) Name of the Department : Zoology
- 2) class & Subject for which study tour is arranged.- B.Sc. II- Zoology
- 3) Number of students accompanying – 163
- 4) Place of visit & Approximate distance of traveling- Harne Bandar- 200 km
- 5) Date of departure and arrival -- Departure - 05 / 01/ 2019- 6.00 am  
Arrival - 05 /01/ 2019- 10.00 pm
- 6) Mode of journey -- By Hired vehicle
- 7) Name of the staff members accompanying tour.

- 1) Shri. Pawar. V. V.
- 2) Shri. Bansode. D. L.
- 3) Mrs. Mandale-Naik. T. S.
- 4) Miss. Achare. A. R.
- 5) Mrs. Yadav. P. C.
- 6) Miss. Karpe. P. V.

Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad  
Dept. of Zoology

Department	Zoology
Signature	Kalavade
Date of Display	29/12/2018
Date of Removal	01/1/2019







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# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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Department of Zoology

Date - 30/12/2018

UNDERTAKING B.Sc. II. STUDY TOUR - 2018 - 19

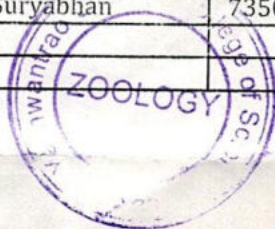
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Sr. No	Name of the Student (BUS NO - 2)	Mobile No	Signature
1	Dhemare Rutuja Sudhir	7350187564	<i>[Signature]</i>
2	Desai Suman Shankar	8412902283	<i>[Signature]</i>
3	Yadav Omkar Dinkar	7709377381	<i>[Signature]</i>
4	Jadhav Omkar Sunil	8600774155	<i>[Signature]</i>
5	Chavan Rutuja Rajaram	8378819401	<i>[Signature]</i>
6	Koli Priya Rajendra	8862029645	<i>[Signature]</i>
7	Desai Sharvari Rajendra	8669880291	<i>[Signature]</i>
8	Chandugade Pratiksha Ramchandra	8308606228	<i>[Signature]</i>
9	Deshmukh Anjali Adhikrao	9561974512	<i>[Signature]</i>
10	Patil Aishwarya Dhanaji	7757972476	<i>[Signature]</i>
11	Mulla Sana Babasab	9370921639	<i>[Signature]</i>
12	Reur Fareen Mohammad	7841816829	<i>[Signature]</i>
13	Reur Faranaz Mohammad	7841816829	<i>[Signature]</i>
14	Barge Digambar Anandrao	7350725223	<i>[Signature]</i>
15	Chavan Ajay Rajendra	9309964729	<i>[Signature]</i>
16	Patil Varsharani Manaji	9823089569	<i>[Signature]</i>
17	Thorat Suraj Dilip	9834152377	<i>[Signature]</i>
18	Sakunde Prajakta Dhananjay	7066895853	<i>[Signature]</i>
19	Kumbhar Pushpa Madhukar	9623556632	<i>[Signature]</i>
20	Kothawale Priyanka Sunil	9970927875	<i>[Signature]</i>
21	Gaikwad Akshay Chandrakant	9405121758	<i>[Signature]</i>
22	Sable Saurabh Chandrakant	7040865597	<i>[Signature]</i>
23	Thorat Shankar Bhimrao	7447315662	<i>[Signature]</i>
24	Patil Sneha Bhauso	9673721428	<i>[Signature]</i>
25	Patil Mayuri Mahadev	9112666499	<i>[Signature]</i>
26	Deshmukh Komal Anil	9850444618	<i>[Signature]</i>
27	Kajari Neha Mansing	7391874119	<i>[Signature]</i>
28	Sonawale Shivani Ramesh	9881526018	<i>[Signature]</i>
29	Nawale Anuradha Rajesh	7972974158	<i>[Signature]</i>
30	Pol Shraddha Mohan	9823643295	<i>[Signature]</i>
31	Vishwakarma Priteekumari Rajkumar	9834093353	<i>[Signature]</i>
32	Vishwakarma Anjali Rajesh	9834093353	<i>[Signature]</i>
33	Sawant Tejashri Tanaji	8317278505	<i>[Signature]</i>
34	Yadav Anuja Prakash	7028764883	<i>[Signature]</i>
35	Kank Rajashri Sambhaji	9975015321	<i>[Signature]</i>
36	More Madhuri Dinkar	9881562822	<i>[Signature]</i>
37	Salave Sonali Arun	8605601683	<i>[Signature]</i>
38	Shaikh Sana Ramjan	7040173263	<i>[Signature]</i>
39	Bhagwat Divya Dhondiram	7875713272	<i>[Signature]</i>
40	Borkar Sneha Shankar	7218344848	<i>[Signature]</i>
41	Borkar Rutuja Madhukar	7028284212	<i>[Signature]</i>
42	Suryawanshi Swapnil Ganesh	9049256975	<i>[Signature]</i>
43	Kashid Prasad Ravindra	7758066705	<i>[Signature]</i>
44	Shinde Aniket Santosh	9579411295	<i>[Signature]</i>
45	Barge Prajakta Sambhaji	9850284890	<i>[Signature]</i>
46	Salunkhe Pranali Mansing	9284513016	<i>[Signature]</i>
47	Jagtap Kajal Ulhas	7350820633	<i>[Signature]</i>
48	Kadam Dhanashree Vijaykumar	9637300882	<i>[Signature]</i>
49	Vishwakarma Reshma Suryabhan	7350112619	<i>[Signature]</i>

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad



Principal,

Yashwantrao Chavan College  
of Science, Karad



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F -
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2018-2019

CLASS: B. Sc. III Zoology

TOTAL NUMBER OF STUDENTS: 11

DATES OF STUDY TOUR: 8 th January 2018

PLACES OF VISIT: Dr Balasaheb Sawant kokan krushi vidhyapith ,fishery college shirgav  
Ratnagiri

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

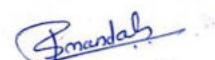
NAMES OF THE TEACHERS ACCOMPANYING: 1) Dr .Mrs V.I. kalmade  
2) Miss. P.V .Karpe

DATE & TIME OF DEPARTURE FROM KARAD: 8 th January 2018 6 p.m

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
8th January 2018 10 <sup>th</sup> January 2018	1) Dr Balasaheb Sawant kokan Krishi vidhyapith ,fishery college ,shirgav Ratnagiri 2)Gadre Farm Prawn Culture Ratnagiri	Students gained knowledge about the habitat of fish  Student gained Students gained knowledge about the prawn culture

DATE & TIME OF ARRIVAL AT KARAD: : 10th January 2018 10 p.m

  
Teacher in-charge



  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad



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### DEPARTMENT OF PHYSICS B.Sc. – III (2018-19)

Following Students and Staff are on Educational Tour During  
27/12/2018 to 28/12/2018

Sr. No.	Roll No.	Name of the Students	Sr. No.	Roll No.	Name of the Students
1	3001	*Chavan Jyoti Siddhanath	11	3012	Mohite Shubham Sanjay
2	3002	*Chavan Swapnali Ananad	12	3013	Pawar Onkar Arun
3	3003	Deshmukh Mahesh Satish	13	3014	Jadhav Aniket Vijay
4	3004	Doiphode Omkar Shankar			
5	3005	*Mohite Pratiksha Umesh			
6	3007	*Pawar shraddha Ashok			
7	3008	*Salunkhe Tejashri Rajendra			
8	3009	*Shinde Harshada Chandrakant			
9	3010	*Shinde Namrata Pandurang			
10	3011	*Shewale Nikita Shahajirao			
Name of the Staff Members					
1	Prof. Dr. B.P. Relekar				
2	Prof. Miss Jamadade S.S.				
3	Shri A.S. Chavan				

Yours faithfully

  
Principal,  
Yashwantrao Chavan College of Science  
Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**Study tour 2018-2019**

- |    |   |    |  |
|----|---|----|--|
| 1) | <b>Name of the Department</b>                       | :- | Physics  |
| 2) | <b>Class &amp; Subject for which</b>                | :- | B.Sc. Part III Physics   |
|    | <b>Tour is arranged</b>                             |    |  |
| 3) | <b>No. of Students accompanying</b>                 | :- | 13   |
| 4) | <b>Place of visits and approximate</b>              | :- | Dapoli   |
|    | <b>Distance of traveling</b>                        | :- | 550 km.  |
| 5) | <b>Date of departure and arrival</b>                | :- | 27 <sup>th</sup> Dec. 2018   |
|    | a) Departure from Karad                             | :- | 6.30 a.m.  |
|    | b) Arrival at Vankuswade                            | :- | 08.00 a.m.   |
|    | c) Visit to Koyana Nagar                            | :- | 11.00 a.m.   |
|    | d) Parshuram  | :- | 1.30p.m.   |
|    | e) Lunch Break                                      | :- | 01.30 p.m. to 2.00 p.m.  |
|    | f) Harne  | :- | 5.00 p.m.  |
|    | g) Dapoli   | :- | 07.30 p.m.   |
|    | h) Departure from Dapoli                            | :- | 28 <sup>th</sup> Dec. 2018   |
|    | i) Visit to DBS KKV                                 | :- | 10.30 a.m.   |
|    | j) Lunch Break                                      | :- | 01.30 p.m.   |
|    | k) Dabhol   | :- | 2.30 p.m.  |
|    | l) Anjanwel   | :- | 4.30 p.m.  |
|    | m) Guhagar  | :- | 6.00 p.m.  |
|    | n) Arrival at Karad                                 | :- | 11.30 p.m.   |
| 6) | <b>Mode of Journey</b>                              | :- | Hired Vehicle  |
| 7) | <b>Name of the Staff</b>                            | :- | Prof. Dr.B.P. Relekar(9423816763)<br>Miss. Jamadade S.S.(9921770442) |
| 8) | <b>Name of non-teaching staff accompanying tour</b> | :- | Shri.Chavan A.S.   |



(Tour in-charge)

**Dr. Brahmanand P. Relekar**

Professor and Head,

Yashwantrao Chavan College of Science,  
KARAD, Dist. Satara 415124, Maharashtra



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**DEPARTMENT OF PHYSICS**  
**B.Sc. – III (2018-19)**

We the undersigned students of B.Sc. III (Physics) traveling in the study tour (as per syllabus) on our risk. Further we declare that. We will follow the time schedule, maintain the discipline and obey the orders of the in-charge throughout the tour.

Sr. No.	Roll No.	Name of the Students	Mobile No. Students	Parents Mobile No.	Students Signature
1	3001	*Chavan Jyoti Siddhanath	8551991105	9623046049	<i>[Signature]</i>
2	3002	*Chavan Swapnali Ananad	9689604378	9766602769	<i>[Signature]</i>
3	3003	Deshmukh Mahesh Satish	9921798942	9527526126	<i>[Signature]</i>
4	3004	Doiphode Omkar Shankar	8806329626	9096185138	<i>[Signature]</i>
5	3005	*Mohite Pratiksha Umesh	8796803053	9623278360	<i>[Signature]</i>
6	3007	*Pawar shraddha Ashok	9373496232	7441834193	<i>[Signature]</i>
7	3008	*Salunkhe Tejashri Rajendra	7769913627	9011992367	<i>[Signature]</i>
8	3009	*Shinde Harshada Chandrakant	8378912703	9112632478	<i>[Signature]</i>
9	3010	*Shinde Namrata Pandurang	9763507534	8788105216	<i>[Signature]</i>
10	3011	*Shewale Nikita Shahajirao	7028780113	8552170930	<i>[Signature]</i>
11	3012	Mohite Shubham Sanjay	7447562884	7775096626	<i>[Signature]</i>
12	3013	Pawar Onkar Arun	7709174023	9975703571	<i>[Signature]</i>
13	3014	Jadhav Aniket Vijay	9637571801		
<b>Name of the Staff Members</b>					
1		Prof. B.P. Relekar	9423816763		
2		Prof. Miss Jamadade S.S.	9921770442		
3		Shri A.S. Chavan	8605424324		

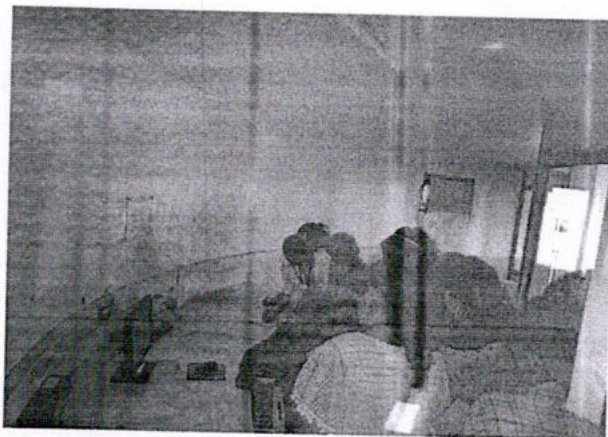
*[Signature]*  
**Head**  
 Department of Physics



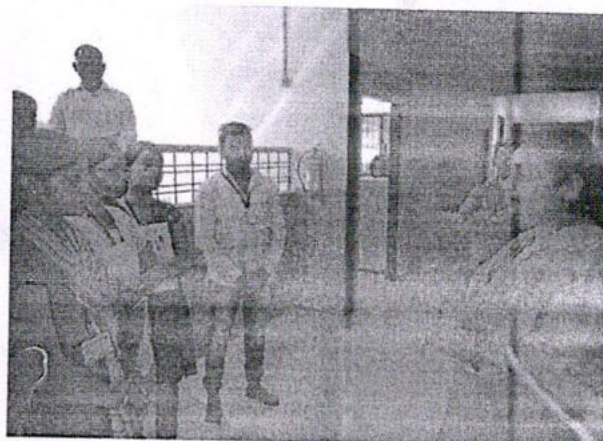
*[Signature]*  
**Principal,**  
 Yashwantrao Chavan College of Science  
 Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**PHYSICS DEPARTMENT - STUDY TOUR - 27, 28 Dec. 2018**

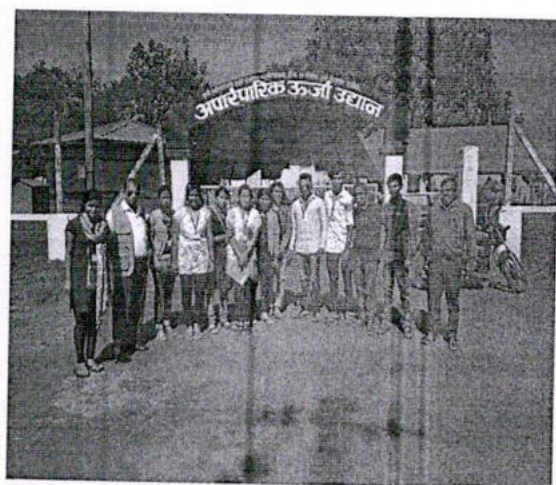


**Wind mill project Vankuswade, Tal – Patan, Dist - Satara**



**Koyana Dam, Koyananagar**

**Boi-instrumentation, DBS KKV, Dapoli**



**Nonconventional Energy Park, KKV Dapoli**

**Light House, Anjanwel**





# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## ★ Tour Report ★

— Vankuswade wind mills,  
Dapoli, Anjanvel (Light  
house)


Date :- 27<sup>th</sup> Dec & 28<sup>th</sup> Dec 2018

Name of Staff :- Prof. Dr. B. P. Relekar  
Miss. S. S. Jamdade

Name of Student :- Pawar Shraddha Ashok


Roll No :- 3007

Standard :- B.Sc. III (Physics)

  
Teacher In-charge






  
Head of Department

**Yashwantrao Chavan College of Science, Karad**

**Department of Pollution**

**REPORT**

<b>Name of the activity</b>	Study Tour of B.Sc. III Pollution Students
<b>Day &amp; Date</b>	Monday & Tuesday, 04/02/2019 and 05/02/2019
<b>Place of visit</b>	Vengurla, Malwan and Sindhudurg
<b>Purpose of the Program</b>	To provide students with hands-on, real-world experiences which complement theoretical knowledge gained in the classroom and understand practical applications of their studies
<b>No. of Students Participated</b>	07
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students gained knowledge about plant diversity, geographical aspects and variations of plants the region.

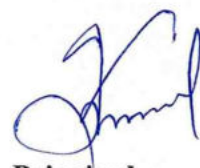


**Teacher In-charge**



**Head**

**Department of Pollution**  
**Head**  
**Department of Pollution**  
**Yashwantrao Chavan College of Science, Karad**



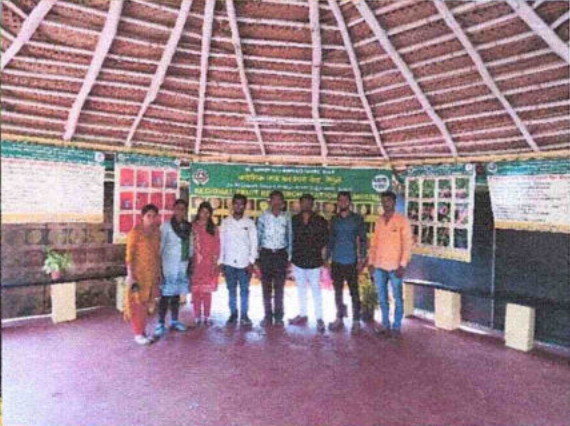
**Principal**

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



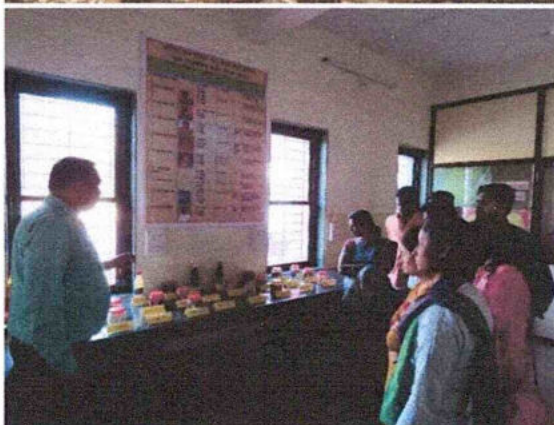
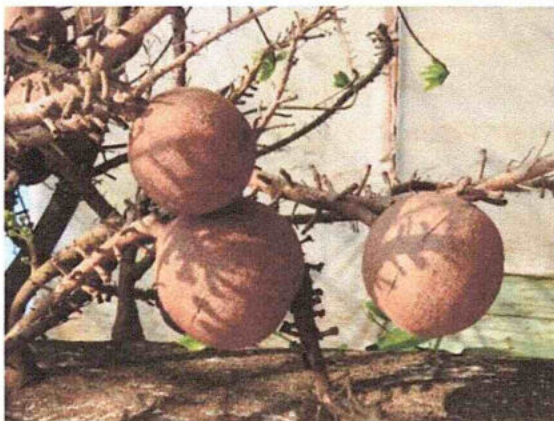


**Study Tour of B. Sc. Pollution Students -**  
**Vengurla & Malwan**





Study Tour of B. Sc. Pollution Students –Vengurla





**Yashwantrao Chavan College of Science, Karad****Department of Botany****B.Sc.III****Study Tour****Programme****Date : 01.09.2018**

The students of B.Sc. III (Botany + Botany-Pollution) are hereby informed that their One day Botanical study tour is arranged to Valmiki and Patan on Saturday the 1<sup>st</sup> Sept. 2018.

All concerned should note and follow strictly.

**Study Tour Programme –**

<b>7.00 a.m.</b>	Departure from Yashwantrao Chavan College of Science, Karad
<b>10.00 a.m. to 5.00 p.m.</b>	Visit to different localities of Botanical interest at Valmiki and Patan
<b>7.00 p.m.</b>	Arrival at Karad (Approximate).

**Students should bring with them:**

1. Identity card.
2. Note book, Pencil, Scalpel & Polythene bags for collection.
3. Lunch Tiffin.
4. Umbrella / Raincoat
5. Medicine if any required.



  
**Head**  
**Head**  
Department of Pollution  
Yashwantrao Chavan College of  
Science, Karad

# Yashwantrao Chavan College of Science, Karad

## Department of Pollution

### B.Sc. Part III

#### Study Tour

Date:

We the undersigned students of B.Sc. Part III (Pollution) travelling in the study tour on our own risk. Further, we declare that, we will follow the time schedule and obey the orders of the in-charge throughout the tour.

Sr. No.	Roll No.	Name of Students	Personel Contact No.	Parent Contact No.	Signature
1	3151	Devkar Akash Suresh	7387177883	9607774023	<i>Devkar</i>
2	3152	Kudale Akash Rajendra	7387183979	7218665986	<i>A.R. Kudale</i>
3	3153	Mane Rahul Tatyasaheb	8275048150	7057521453	<i>Rahul</i>
4	3154	Patil Jeevan Bhauso	9527914974	8600621575	<i>Patil</i>
5	3155	Pawar Vaibhav Mahendra	9822849745	7741926596	<i>Pawar</i>
6	3156	Shinde Rushikesh Hanmant	9762284302	7066671067	<i>Rshinde</i>
7	3157	charan Rowit Abaso	9156299191	9112273563	<i>Charan</i>
8	3158	Patil Rajendra Jyotant	7020488648	7219425717	<i>Rowit</i>
9	3159	Jadhav Nilesh Krishanath	9730908979	7472005742	<i>Jadhav</i>
10	3160	mulik shailesh	9960997843	9529372089	<i>Mulik</i>





**Study Visit of B. Sc. Pollution Students –  
Walmiki & Patan**



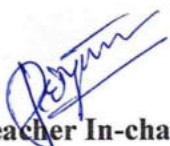


**Yashwantrao Chavan College of Science, Karad**


**Department of Pollution**

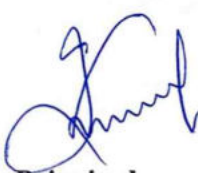
**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Pollution Students
<b>Day &amp; Date</b>	Saturday, 01/09/2018
<b>Place of visit</b>	Walmiki & Patan
<b>Purpose of the Program</b>	To understand floral diversity of that particular region including cryptogams and Phanerogams.
<b>No. of Students Participated</b>	22
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students learnt something new apart from class room teaching. In addition to this, they learned how to write field notes during data collection.

  
Teacher In-charge

  
Head  
Department of Pollution

  
Head  
Department of Pollution  
Yashwantrao Chavan College of  
Science, Karad

  
Principal  
Principal,  
Yashwantrao Chavan College  
of Science, Karad.





**Yashwantrao Chavan College of Science, Karad**  
**Department of Pollution**  
**B. Sc. II**  
**2018-2019**

Date : 11.02.2019

Study tour of B.Sc. II (Pollution) is arranged at **Krishi Vigyan Kendra, Baramati** on Wednesday, 13.02.2019. All students should remain present in college campus on Wednesday, 13.02.2019 up to 6.00 a.m.

All concerned should note and follow strictly.

**Study tour programme**

Time	Programme
6.30 a.m.	Departure from Yashwantrao Chavan College of Science, Karad campus
9.30 a.m.	Arrival at <b>Padegaon Sugarcane Research Centre &amp; visit</b>
12.00 noon	Lunch & visit to <b>Krishi Vigyan Kendra, Baramati</b>
4.00 p.m.	Visit to <b>Nakashtra Garden</b>
5.30pm	Departure to Karad

Arrival at Karad up to 9.00 p.m.

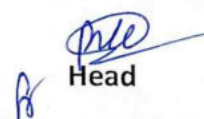
**Instructions to the students**

1. All students have to bring their Identity card, Note book, Pen etc.
2. All students have to bring one time lunch & water bottle.
3. Required medicines if any.
4. No valuable things are allowed.
5. All students should obey the orders of tour in-charge.

All concerned should note and follow.



Teacher in-charge

Head

**Head**  
**Department of Pollution**  
**Yashwantrao Chavan College of**  
**Science, Karad**



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## DEPARTMENT OF BOTANY/POLLUTION

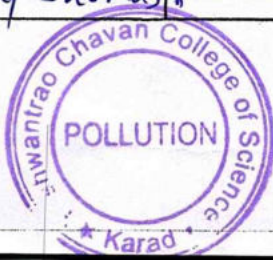
B.Sc. II, Study Tour- 2018-19

### List of Student

13/02/2019

Place of Visit: Sugarcane Research Centre, Padegaon and KVK, Baramati

Sr. No.	Name of the Student	Roll NO.	Contact No.		Sign	U
			Parent	Student (Self)		
1	Jadhav Pratik Dilip	1278	9822307663	9146232910	Pratik	✓
2	chavan prathmesh Tanaji	1254	9404265835	7040588828	prathmesh	✓
3)	Greikwad Arit shankar	1266	9595367807	9595367807	Greikwad	✓
✓ 4	Chavan Shubham Ramesh	1256	8600771228	9975933865	Shubham	✓
✓ 5	Chavan Somnath Baburao	1257	9822614807	8552941568	Chavan	✓
6	Jadhav Rohit Krunal	1280	9834792655	7030888008	Rohit	✓
7	Shaikh Sahil Pirof	1328	8975867013	7617249945	Shaikh	✓
8	Jadhav Suraj Shabaji	1287	7020440271	7083505864	Suraj	✓
9	Chavan Akshay Baburao	1249	8805868296	9545424366	Chavan	✓
10)	chavan Ashish pandurang	1251	8421895083	7720046509	Ashish	✓
11)	Hobale Naeem Shakil	1271	9975108378	8308867248	Naeem	✓
✓ 12)	Desai Jigar Ananda	1261	9921035673	7058510380	Desai	✓
13)	chavan Rohit mahadev	1255	9975247080	7522918161	R.M. chavan	✓
14	Jadhav Swarnil Ankush	1288	9822927123	8698265144	Swarnil	✓
15)	Ghosale Samrah Suresh	1268	9096441476	9156540777	Samrah	✓
16)	Mohite Ajinkya Arvind	1301	7304284443	9145049558	Ajinkya	✓
17)	Kadam Jaydip Dadas	1291	97797293979	9767967125	Jaydip	✓
18)	Nikam Pruthviraaj Rajendra	1306	9922270324	9637794338	Pruthviraaj	✓
✓ 19)	Dale Ashutosh Dattatray	1263	7700970530	9075140015	Ashutosh	✓
20)	Power Hrishikesh Uttam	1321	8796271658	9284737046	Hrishikesh	✓
21)	Power - Vijay Subhas	1325	9370051748	9067328818	Vijay Power	✓





# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## DEPARTMENT OF BOTANY/POLLUTION

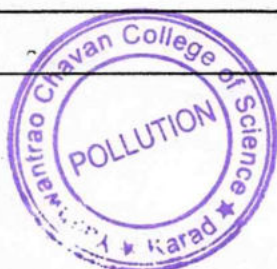
B.Sc. II, Study Tour- 2018-19

### List of Student

13/12/2019

Place of Visit: Sugarcane Research Centre, Padegaon and KVK, Baramati

Sr. No.	Name of the Student	Roll NO.	Contact No.		Sign	V
			Parent	Student (Self)		
1	Chorage Jayshree shivaji	1259	9850926085	9284075277	<u>Chorage</u>	✓
2	chavan Hrishada Bapushab	1252	7741807180	9834126035	<u>Chavan</u>	✓
3	Jagtap shreya Rajendra	1290	9049968528	9405609171	<u>Jagtap</u>	✓
4.	Jadhav shivani Sanjay	1284	9823761015	8329082984	<u>Jadhav</u>	✓
5	Pawar Dhanashri Hindurao	1320	9976067721	9186577165	<u>Pawar</u>	✓
6.	Pawar Aishwarya Ashok	1317	8605909981	8208065791	<u>Pawar</u>	✓
7	shinde Pooja Jayawant	1331	8275370739	7757973075	<u>Pishinde</u>	✓
8.	Sankpal swarupa Prasad	1326	9011030491	7620123952	<u>S</u>	✓
9.	Patil chetana Uttam	1309	9921743546	8007811753	<u>Patil</u>	✓
10.	✓ Kadam Rohini Rajan	1292	9822912799	9766044975	<u>Kadam</u>	✓
11	Patil Kranti Sambhaji	1311	8975044350	7038781741	<u>Patil</u>	✓
12	Patil Dhanshri Anil	1310	9730567793	865751672	<u>Patil</u>	✓
13	✓ Kumbhar Vinayak <sup>Hansa</sup> mant	1298	9545828191	9284242846	<u>Kumbhar</u>	✓
14	✓ Mohite Dattaprasad Arun	1302	9145529164	7756058595	<u>Mohite</u>	✓
15	✓ Mane Rohit Avinash	1299	8007324860	8669326053	<u>Rohit</u>	✓
16	Shewale Rohit Vasant	1329	7448003021	7358537948	<u>Shewale</u>	✓





**Yashwantrao Chavan College of Science, Karad**

**Department of Pollution**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. II Pollution Students
<b>Day &amp; Date</b>	Monday, 12/02/2019
<b>Place of visit</b>	Krishi Vigyan Kendra(KVK), Baramati & Sugarcane Research Centre, Padegaon
<b>Purpose of the Program</b>	1. To provide basic knowledge in Agriculture and modern trends in Agriculture. 2. To motivate students to inculcate modern science with Agriculture. 3. To learn research in Sugarcane and its related industries. 4. To explore new trends in Sugarcane research.
<b>No. of Students Participated</b>	47
<b>No. of Teachers Participated</b>	03
<b>Visit outcomes</b>	Students learnt modern trends and research in Agriculture from expertise in the institute. They also interacted with skilled workers. Students came across modern tools and techniques in sugarcane research. They interacted with staff and scholars in the institute.

  
**Teacher In-charge**

  
**Head**

**Department of Pollution**

 **Head**  
**Department of Pollution**  
**Yashwantrao Chavan College of Science, Karad**

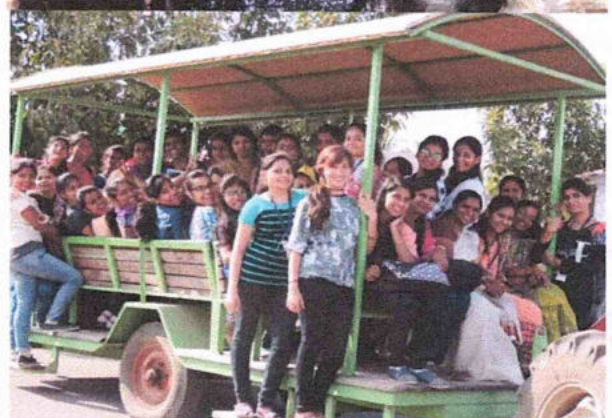
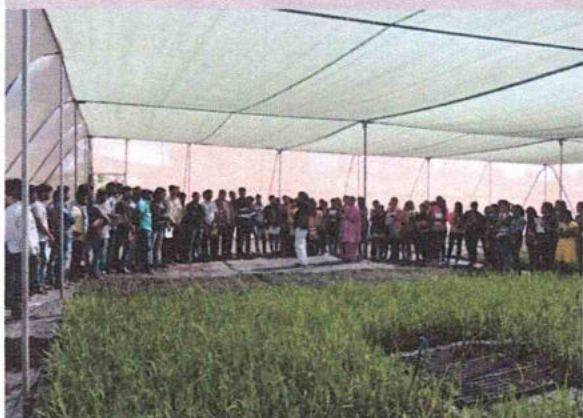
  
**Principal**

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





**Study Tour of B. Sc. Pollution Students –  
Krishi Vigyan Kendra(KVK), Baramati & Sugarcane Research  
Centre. Padegaon**







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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

Ref No. : / Biochem /2018-19

Date: - 03/01/2019

To,

The Managing Director,  
Sahyadri Sahakari Sakhar Karkhana Ltd.,  
Yashwantnagar, Karad.

**Subject: - Educational visit of B.Sc. Part - II Biochemistry students.**

Sir,

As a part of educational tour a group of B.Sc. Part II Biochemistry students Twenty one (21) from this college accompanied by their teachers (2) wish to visit your industry on **Saturday, 05<sup>th</sup> Jan., 2019**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

  
NRP

Teacher in charge



Principal

  
Yashwantrao Chavan College of Science, Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

B.Sc.II –Study tour

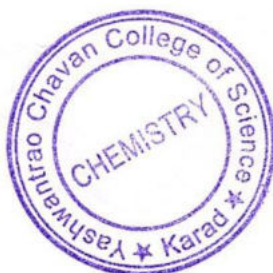
The students of B.Sc. II (Biochemistry) are here by informed that one day's study tour is arranged to Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar. on 05/01/2019.

All should come with Identity card, note book & pen. Study tour is Compulsory as per university syllabus.

All concerned should note follows.

  
Course Co-ordinator,

Department of Biochemistry



**Yashwantrao Chavan College of Science, Karad**  
**Department Of Chemistry**

**STUDY TOUR PROGRAMME**

**Year 2018 -2019**

LAB/F-17

CLASS: B.sc. II

TOTAL NUMBER OF STUDENTS: 21

DATE OF STUDY TOUR: 05/01/2019

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPAINING: Mr.S.H. Burugale

Miss Panwal N.R.

DATES & TIME OF DEPARTURE FROM KARAD: 05/01/2019 Time- 11 am

DATES & PLACES OF VISIT :

1. Arrival to Sahayadri Sakhar Kharkhana
2. Visit to distillary
3. Visit to ETP

DATE & TIME OF ARIVAL AT KARAD-:05/01/2019 Time-6 pm

Teacher in- Charge

Head  
Dept of Chemistry

**Head**  
**Department of Chemistry**  
**Yashwantrao Chavan College of**  
**Science, Karad**

Chairmn  
Tour committee

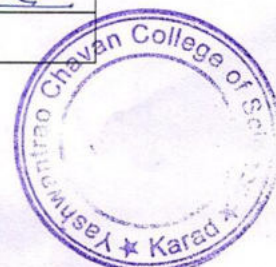




**Department of Chemistry and Biochemistry**

**B.Sc. II Study tour 2018-2019**

Sr. no.	Roll No	Name of student	Student sign
1	1340	Varadkar Hrishikesh Mohan	<u>Hm.</u>
2	1341	Bagal Ashwini Dadaso	<u>B.A.D</u>
3	1342	Bhivare Vedika Nandkumar	<u>B.Vedika</u>
4	1343	Desai Komal Subhash	<u>DKS</u>
5	1344	Jagdale Dhanshri Balaso	<u>Dhanshri</u>
6	1345	Jagtap swapnali Appaji	<u>Swagtap</u>
7	1346	Jangam Mansi Mahadev	<u>M.Jangam</u>
8	1347	Kadale Aarti Mahadev	<u>AKMB</u>
9	1348	Kadam Snehal Ramesh	<u>SRK</u>
10	1349	Kamble Komal Jitendra	<u>KJ</u>
11	1350	Kanase Kiran Bhagwan	<u>KiranBK</u>
12	1351	Katke Savita Dagdu	<u>SDK</u>
13	1352	Khair Niranjan Dhananjay	<u>K.N.D.</u>
14	1353	Kothavale Siddhi Manik	<u>S</u>
15	1354	Kukade Harshada Rajendra	<u>Kukade</u>
16	1355	Kumbhar Komal Yuvraj	<u>KomalYK</u>
17	1356	Lohar Pratiksha Sampat	<u>P.Lohar</u>
18	1357	Mahale Utkarsha Uday	<u>Mahale</u>
19	1358	Mane Anuja Shankar	<u>Anane</u>
20	1359	Mane Reshma Savakar	<u>Mane</u>
21	1360	Mane Roma Kantilal	<u>Roma</u>
22	1361	Patil Sharvari Pramod	<u>S.P.Patil</u>
23	1362	Pawar Harsha Sunil	<u>HSP</u>
24	1364	Sathe Nayan Manikrao	<u>NM Sathe</u>
25	1365	Shedge Rohini Sambhaji	<u>Rshedge</u>
26	1366	Thorat Supriya Subhash	<u>Souel</u>



# Yashwantrao Chavan College of Science, Karad

## Department Of Chemistry

### STUDY TOUR REPORT

Year 2018 - 2019

LAB/F-18

CLASS: B.Sc . II

TOTAL NUMBER OF STUDENTS: 21

DATES OF STUDY TOUR: : 05/01/2019

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPANYING: Mr.S.H. Burugale

Miss N.R Panwal

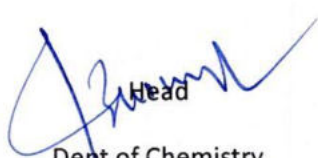
DATES & TIME OF DEPARTURE FROM KARAD: 05/01/2019 Time- 11 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
05/01/2019 Time- 11 am	Visit to Distillary	Actual Process of fermentation
05/01/2019 Time- 2 pm	Visit to ETP	Effluent Treatment plant
05/01/2019 Time – 4pm	Visit to Yeast Propagation unit	Clarifier, Aeration test

DATE & TIME OF ARIVAL AT KARAD: 05/01/2019 Time-6 pm

  
Teacher in- Charge

  
Head  
Dept of Chemistry  
**Head**  
**Department of Chemistry**  
**Yashwantrao Chavan College of**  
**Science, Karad**

  
Chairmn  
Tour committee

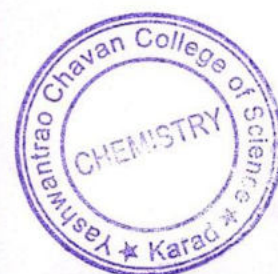




## **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

### **Study Tour Report 2018-2019 (05/01/2019 )**

- |  |    |                      |
|--|----|----------------------|
| 1) Name of the department  | :- | Biochemistry         |
| 2) Class & subject for which tour is arranged                                  | :- | B.Sc.II Biochemistry |
| 3) No. of students accompanying  | :- | 21                   |
| 4) Place of visit and approximate distance                                     |    |                      |
| Distance Of traveling  | :- | 10                   |
| Place  | :- | Yashwantnagar        |
| Total distance   | :- | 20                   |
| 5) Date of departure and arrival.  | :- |                      |
| a) Departure from karad (05 jan)   | :- | 11pm                 |
| b) Arrival at Sahyadri Sahakari sakhar<br>karkhana Ltd, Yashwantnagar.(05 jan) | :- | 11.45pm              |
| c) Arrival at karad  | :- | 6pm                  |
| 6) Mode of Journey   | :- | Hired vehical        |
| 7) Name of the Staff   | :- | Mrs. Panwal.N.R      |





Estd. 1958

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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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B\*\* Level by NAAC, Bangalore

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

Ref. No. / /2019-20

Date: 31/ 12/ 2019

To

The Principal,

Sharadchandraj Pawar College of Agriculture,

Kharawate-Dahiwali, Chiplun.

**Sub: -** Request for permission to visit your college.


Respected Sir

As a part of educational tour, B.Sc. III Biotechnology (24) & Zoology students [23] total 47 student from our college accompanied by four faculty members, wish to visit your reputed organization on coming 09/ 01/ 2020.

I request you to grant the permission for visit.

Thanking You.

Regards

  
Teacher in-charge

  
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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref. No. / /2019-20

Date: 31/ 12/ 2019

To

The Manager,

Gadre Industries Ratnagiri,

Ratnagiri. Maharashtra.

**Sub: -** Request for permission to visit your fish product industry and prawn culture farm.


Respected Sir


As a part of educational tour, B.Sc. III Biotechnology (24) & Zoology students [23] total 47 from our college accompanied by four faculty members, wish to visit your reputed organization (fish product industry and prawn culture farm) on 10/ 01/ 2020 .

I request you to grant the permission for visit.

Thanking You.

Regards

  
Teacher in-charge

  
Principal,  
Yashwantrao Chavan College  
of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**Department of Biotechnology**


**B.Sc.III (Study Tour)**

Date: 08.01.2020

The Students of B.Sc.III (Biotechnology) are here by inform that three day's study tour is arranged to Ratnagiri on 09<sup>th</sup> to 11<sup>th</sup> January 2019.

All should come with Identity card ,note book and pen .Study tour is compulsory as per university syllabus.

All Concerned should note and follow.

  
Course Co-ordinator,

Department of Biotechnology

**Course Co-ordinator**  
Department of Biotechnology







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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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

### Department of Biotechnology B.Sc. III Study tour 2019-20

#### UNDERTAKING

Date: - /01/2020

We the undersigned students of B.Sc. III (Biotechnology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	3171	BHAGWAT DIVYA DHONDIRAM	9607848483	9049409907	<u>Bhagwat</u>
2	3172	BORKAR RUTUJA MADHUKAR	7028284212	7387546552	<u>Rutuja</u>
3	3173	BORKAR SNEHA SHANKAR	9834843784	9960974047	<u>Sneha</u>
4	3174	CHAVAN NILAM SANJAY	9284136969	9657824731	<u>Nilam</u>
5	3175	GAIKWAD POOJA VISHWAS	9881090186	7588221092	<u>P.V. Gaikewad</u>
6	3176	KADAM DIPALI TANAJI	9284231545	9011572585	<u>Kadam</u>
7	3177	KADAM POOJA SATISH	7040794644	9423939139	<u>Kadam</u>
8	3178	KAJARI NEHA MANSING	7391874119	7262001517	<u>Kajari</u>
9	3179	KATKAR GANESH BHAGWAN	8600339471	9763018430	<u>G.B. Katkar</u>
10	3180	KHOCHARE VIJAY DATTATRAY	7798194907	7350565246	<u>Khochar</u>
11	3181	LOKHANDE SHIVANI JEEVAN	9284156037	9545724350	<u>Shivani</u>
12	3182	MANE CHARUSHILA HEMANT	9607204598	9881178978	<u>Mane</u>
13	3183	MANE KIRTI JAYSING	9604473997	9370988322	<u>Kirti</u>
14	3184	MORE ARATI NARAYAN	7744055992	9022535215	<u>More</u>
15	3185	PATIL PRASHANT DINKAR	9673127052	8108439169	<u>Patil</u>
16	3186	POL SHRADDHA MOHAN	9970213994	8308483091	<u>Pol</u>
17	3188	SARTAPE SUPRIYA SIDHU	7720882831	7756815242	<u>Sartape</u>
18	3189	SHAIKH SHIFA SAIED	9545045442	9890526178	<u>Shifa</u>
19	3190	SHINDE AISHWARYA JAYASING	7743997144	8007552646	<u>Shinde</u>
20	3191	SHINDE MAHESHWARI BHAIRAVNATH	9086658371	9850475523	<u>Shinde</u>
21	3192	SONAWALE SHIVANI RAMESH			



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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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22	3193	VISHWAKARMA RESHMA SURYBHAN	7350112619	982244787	<u>Reshma</u>
23	3194	KATARE SWAPNIL ASHOK	8862065826	7040940762	<u>SKatare</u>
24	3195	DAWARI ASHUTOSH SURYAKANT	9923736459	8888980313	<u>Adawari</u>

  
Teacher in-charge

  
Principal





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

## **Department Of Biotechnology**

### **STUDY TOUR PROGRAMME**

LAB/F-17

**Year 2019-2020**

**CLASS: B.Sc. III**

**TOTAL NUMBER OF STUDENTS:24**

**DATES OF STUDY TOUR: 09/01/2020 and 11/01/2020**

**PLACES OF VISIT: 1) Sharad Chandra ji Pawar Institute of Agriculture Sciences, Chiplun**

**2) Gadre Marine Pvt. Ltd. Ratnagiri**

**3) Gadre Prawn culture, Ratnagiri**

**4)Thiba palace ,Ratnagiri.**

**MODE OF JOURNEY: Private Traveller Bus.**

**NAMES OF THE TEACHERS ACCOMPANYING: Mrs.Randive A.K.**

**Miss. Shikalgar S.H.**

**DATES & TIME OF DEPARTURE FROM KARAD: 09/01/2020 Time:- 06:30 am**

**DATES & PLACES OF VISIT:**

**1) 09/01/2020 Sharad Chandra ji Pawar Institute of Agriculture Sciences, chiplun**

**2) 10/01/2020 Gadre Marine Pvt. Ltd. Ratnagiri**

**3) 10/01/2020 Aquarium and Fish Museum Ratnagiri.**

**4) 11/01/2020 Thiba palace Ratnagiri.**

**DATES & TIME OF ARRIVAL AT KARAD:- 11/01/2020 Time:- 10:50pm**

*Akrandive*  
Teacher in- Charge

*Shikalgar*  
Head  
Dept of Biotechnology

*my.*  
Chairman  
Tour Committee



**Yashwantrao Chavan College of Science, Karad**  
**Department Of Biotechnology**  
**STUDY TOUR REPORT**

Year:- 2019-2020

LAB/F-  
18

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS:24

DATES OF STUDY TOUR:09/01/2020 and 11/01/2020

PLACES OF VISIT:1) Sharad Chandra ji Pawar Institute of Agriculture,Science  
chiplun  
2) Gadre Marine Pvt. Ltd. Ratnagiri  
3) Gadre Prawn Culture, Ratnagiri  
4)Thiba Palace Ratnagiri.

MODE OF JOURNEY:Private Traveller Bus.

NAMES OF THE TEACHERS ACCOMPANYING:Mrs. Randive A. K.  
Miss. Shikalgar S.H.

DATES & TIME OF DEPARTURE FROM KARAD:09/01/2020 Time:- 06:30 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
09/01/2020	Sharad Chandra ji Pawar Institute of Agriculture Sciences,chiplun.	Biotechnology Dept., Plant Tissue culture Lab.
10/01/2020	Gadre Marine Pvt. Ltd. Ratnagiri.	Surimi Process Unit, Crab Stick manufacturing Unit
10/01/2020	Gadre Prawn Culture , Ratnagiri	Unit of Prawn culture
11/01/2020	Thiba Palace Ratnagiri.	Built By British Government

DATE & TIME OF ARRIVAL AT KARAD:11/01/2020 Time:- 11:45pm

*Akshandive*  
Teacher in-charge

*Shikalgar*  
Head  
Department of Biotechnology







Study tour -> Aquarium & fish museum Ratnagiri ➔  
**TRIP 2019-2020**







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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

Date: 20 /01/2020

To,  
The Principal,  
Yashwantrao Chavan College of Science, Karad.  
Karad.

**Subject:** Permission for B.Sc. II students to go on a study tour to Mahabaleshwar and Pratapgad.

Respected Sir,

I am writing to request your permission to organize study tour to Mahabaleshwar and Pratapgad for B.Sc. II geology students of our college. As you are aware, study tours are part of syllabus and essential part of a students learning experience. We are organizing this study tour to Mahabaleshwar and Pratapgad to provide a wonderful opportunity to obtain practical understanding about numerous aspects of rock science, structural geology, and Deccan trap volcanism. We plan to take around 100 students of B.Sc. II geology along with five faculty members and one Laboratory assistant on 27<sup>th</sup> January 2020. Please allow for the same.

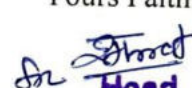
This visit will be conducted under guidance of following faculty members-

- |   |  |
|---|--|
| 1. Mr. S. M. Thorat (Study tour Incharge) | 4. Mr. A. V. Shelar                        |
| 2. Mr. A.R. Rathour                       | 5. Mr. A. R. Khabale                       |
| 3. Ms. P. B. Sankpal                      | 6. Mr. D.B. Bhosale (Laboratory assistant) |

Thanking You,

  
Principal

Yashwantrao Chavan College of Science  
Karad

Yours Faithfully  
  
Head  
Department of Geology  
Yashwantrao Chavan College of Science  
Karad.





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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

Date- 22.01.2020

To,  
Respected  
Concern Authority

Sir,

Geological study tour of B.Sc. I & II Geology students (25 Boys and 25 Girls) of Yashwantrao Chavan college of Science, Karad are on their Geological study tour to Pratapgad, Mahabaleshwar on Monday 27<sup>th</sup> January 2020.

They are accompanied by Prof. A. V. Shelar, Prof. S.M.Thorat , Prof. A.R. Khabale.


Please kindly co-operate them wherever necessary.

Student List is enclosed herewith.

Thanking you

Your Faithfully



  
Principal,  
Yashwantrao Chavan College,  
of Science, Karad

# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

DATE: 01.07.2015	REF. NO.: YCCSK/LAB/F – 15
PAGE	REV. NO.: 00

## **STUDY TOUR PROGRAMME**

**Year 2019 - 2020**

**Class:** B.Sc. I & II

**Total Number of Students:** 50

**Dates of Study Tour:** 27/01/2020

**Places of Visit:** Pratapgad & Mahableshwar

**Mode of Journey:** Travels

**Names of The Teachers Accompanying:** Shri. A. V. Shelar

Shri. S. M. Thorat

Shri. A. R. Khabale

Shri. A. R. Rathour

Miss P. B. Sankpal

Miss P. T. Khochare

Shri D. B. Bhosale

**Date & Time of Departure From Karad:** 27/01/2020; 06:30 am

**Dates & Places of Visit:** Date – 27/01/2020

1. Mahableshwar

2. Pratapgad

**Date & Time of Arrival at Karad:** 27/01/2020; 08:00 pm

  
Teacher in-charge



  
**Head**  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE: 01.07.2015	REF. NO.: YCCSK/LAB/F – 15
PAGE	REV. NO.: 00

## STUDY TOUR REPORT

Year 2019 - 2020

Class: B.Sc. I & II

Total Number of Students: 50

Dates of Study Tour: 27/01/2020

Places of Visit: Pratapgad & Mahabaleshwar

Mode of Journey: Travels

Names Of The Teachers Accompanying: Shri. A. V. Shelar

Shri. S. M. Thorat

Shri. A. R. Khabale

Shri. A. R. Rathour

Miss P. B. Sankpal

Miss P. T. Khochare

Miss P. T. Khochare

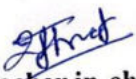
Shri D. B. Bhosale

Date & Time of Departure From Karad: 27/01/2020; 06:30 am

Dates & Places of Visit:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
27/01/2020	Pratapgad and Mahabaleshwar	Lava flows, Red boles, Basalts, Columnar joints and Laterites were studied on the trip

Date & Time of Arrival At Karad: 27/01/2020; 08:00 pm

  
Teacher in-charge



  
Head of the Department  
**HEAD**  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad

Yashwantrao Chavan College Of Science, Karad

Department Of Geology

B.Sc. II

Study Tour 2019-2020

Students and Staff List

Study Tour

**STUDENTS UNDERTAKING**

Date: - 02 /01/20

We the undersigned students of B.Sc.II (Geology) attending the academic visit (as per syllabus) to Pratapgad & Mahabaleshwar at our own risk and cost. Faculty & college will not responsible for any mishap/eventualities during the visit. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge throughout the visit. We shall be liable to strict disciplinary action for above condition, which may lead to termination or detention from college.

Sr.No.	Roll.No.	Name of the Student	Mob. No. of Student	Signature
①	2442	Mandave Tejas Rajeshwari	9325002891	Mandave
2)	2443	Mane Divya Dhanaji	7249363281	Mane
3)	2468	Yadav Pratiksha Prakash	9503402054	Yadav
4)	2438	Kolekar Mahadev Basappa	9130299740	Kolekar
5)	2466	Waghmare Rutuja Rajendra	9022470206	Waghmare
6)	2423	Chavan Ankita Sanjay	8554039804	Chavan
7)	2460	Shinde Vaishnavi Prakash	7387686551	Shinde
8)	2462	Thorat Akshata Rajendra	8459561273	Thorat
9)	2444	Mohite Namrata Sambhaji	9145310208	Mohite
10)	2422	Bhosale Poonam Bapuso	7507355255	Bhosale
11)	2424	Chindale Aniket Vijay	9922660562	Chindale
12)	2440	Kumbhar Abhijit Haridas	9850524014	Kumbhar
13)	2427	Fakir Sahil Rajusha	9881141797	Fakir
14)	2458	Shedje Omkar Shivaji	9146629337	Shedje
15)	2447	Akshay Raghunath Nalawade	9021059103	Akshay
16)	2446	Mohite Pratik Vikas	9168501962	Mohite
17)	2464	Thorat Shubham Anil	7447801303	Thorat
18)	2496	Chavan Rutuja Rajendra	8408875176	Chavan
19)	2497	Chavan Sakshi Rajendra	7057310618	Sakshi
20)	2499	Desai Anuja Satish	9112840672	Desai
21)	2506	Ghutukade Pranali Raghunath	9860983626	Ghutukade
22)	2504	Ghag Supriya Subhash	9112253643	Ghag
23)	2508	Jadhav Durga Ramchandra	8796511860	Jadhav
24)	2502	Dupate Dnyaneshwari Dhir	9172143049	Dupate







**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**


**DEPARTMENT OF GEOLOGY**  
**STUDY TOUR REPORT**

**B.Sc. I & II**

**Date:- 27<sup>th</sup> January 2020**

**NAME OF STUDENT:**

**Name and Sign of Tour Incharge:** 

  
**Head of Department:**  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.





### **Acknowledgement:**

My sincere thanks to **Dr. S.B. Kengar Sir** (Principal, Yashwantrao Chavan College of Science, Karad) for their kind permission for this field work.

It is a very great pleasure to express my deep sense of gratitude to **Prof S.M. Thorat** for arranging study tour in Sindhudurg and Ratnagiri district. I am extremely grateful for his invaluable guidance, moral support, encouragement, and good wishes throughout this field work.

I reserve my special thanks to **Prof. R.V. Desai, Prof. A.A. Lole sir** for their guidance and help in field work. My sincere thanks are also due to **Prof. A.V. Shelar** for their active help.

I'm also thankful to Lab Asst. of my department **Shri Dhanaji Bhosale sir**.

Last but not the least; I want to express my deepest gratitude to my **Family** for giving permission to participate in this study tour.



## **Introduction:**

This year we had been to Mahabaleshwar and Pratapgad for our geological field study. During this we have visited number of places of Geological interest.

We carried out field work at and around Mahabaleshwar and Pratapgad (District Satara) and Mahad (Raigad district) of Maharashtra. The region consists of number of hills & valleys. The general stratigraphy of Konkan region is given below.

### **Recent Soil**

---

### **Lateritic Soil capping the basalt flows**

---

### **Basalt of Deccan Trap**

---

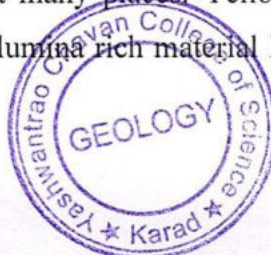
### **Basement not seen**

## **Field Work at Pasarani Ghat:**

In the Pasarani ghat (in between Wai to Mahabaleshwar) section different lava flows of basalt of Cretaceous to Paleocene age are exposed. Two lava flows are separated by red clayey layer which is called as 'Red Bole'. It is said to be formed by baking of sediments formed due to weathering of older basaltic lava flow (**Plate 1**). Baking is due to upcoming younger lava which imparts red colour to sediments (**Plate 2**). Basalt in the ghat section is gray in colour, hard and compact. Fractures are present and are interconnected with each other which are helpful for groundwater movement and also increase secondary porosity of the rock. Spheroidal weathering is also common and can be observed at many places along road cutting in the ghat section.

## **Laterites of Mahabaleshwar:**

Laterites of Mahabaleshwar are formed due to the in situ chemical weathering of underlying rock basalt (**Plate 3**). Laterites are reddish to reddish brown in colour. Pisolithic structure is observed at many places. Yellowish or white patch present in lateritic sample which suggest alumina rich material like kaolinite or gibbsite. These





laterites are always formed at very higher mountainous region more than 1000 mt amsl., covering the top of mountain ranges as found in the area. Hence these laterites are called as high-level laterites. Such high-level laterites can be seen all over the western ghat region of Maharashtra.

#### **Columnar Joints of Mahad:**

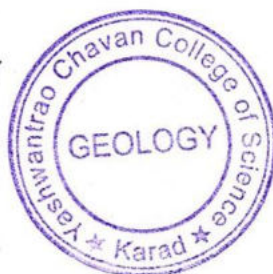
Best exposure of columnar joints is observed at Mumbai- Goa high cutting near Mahad, district Raigad (Plate 4). Columnar joints are formed due to homogeneous lava cools with uniform rate of cooling. Different cooling centers are formed. One center is surrounded by six other centers at equal distance. Due to contraction cracks are developed between two centers. Lava cools from top to bottom and joints also forms according to cooling. Pillar like structure with hexagonal or pentagonal shape is developed which called as columnar joints. We can find columnar joints at many places of Maharashtra.

#### **Wave cut platform at Harihareshwar:**

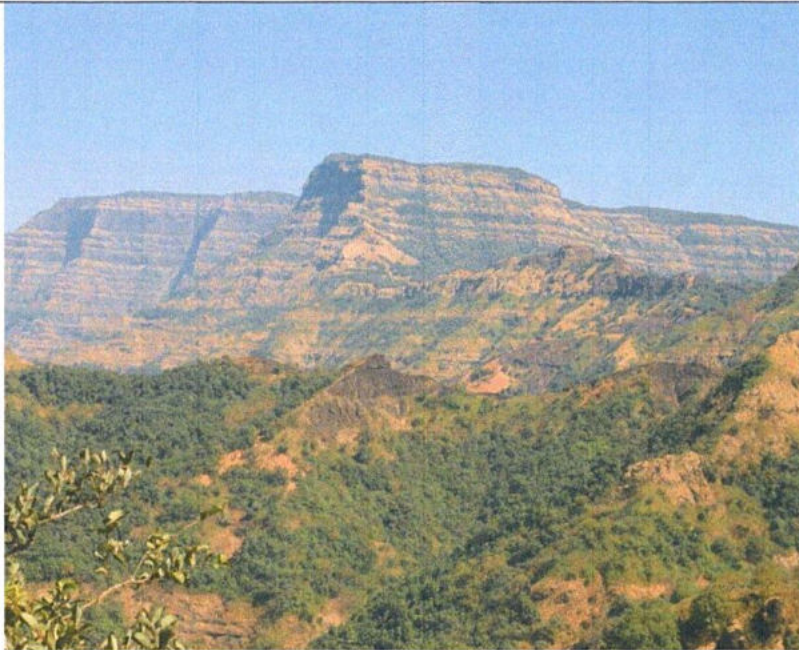
Wave cut platform is formed along sea shore along rocky beaches. Due to constant dashing of waves, erosion of rocks takes place. Due to continuous process of erosion, rocks are broken down and flat surface is formed, is called as wave cut platform (Plate 5).

#### **Honeycomb structure at Harihareshwar:**

Like wave cut platform this is another feature produced due to sea erosion. When rocks are exposed to near sea shore such structure can be formed. Near Harihareshwar vesicular basalt is present along sea shore. Due to constant erosion vesicles are enlarged in the shape of honey comb (Plate 6). Hence this structure is called as honey comb structure.



**Plate 1: Basaltic Lava Flows**



**(Plate 2): Red bole clay zone**

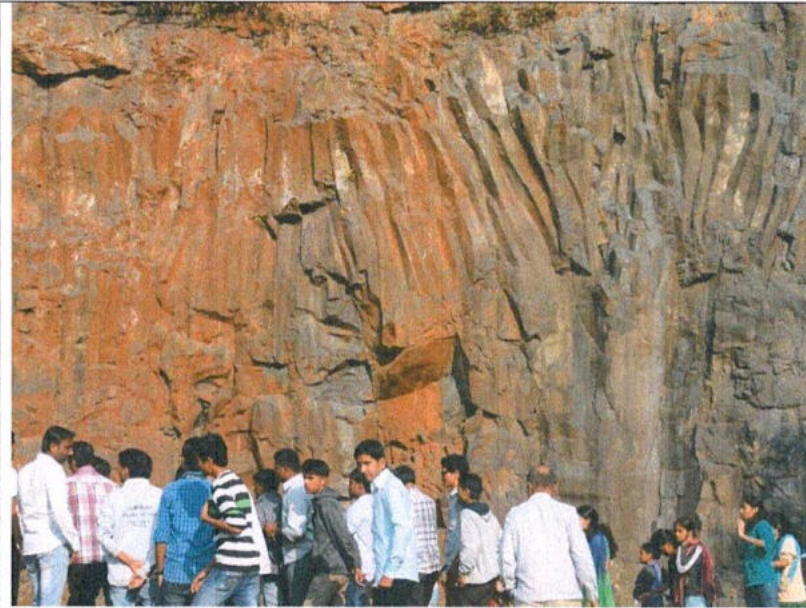




**(Plate 3): Laterits of Pachagani and Mahabaleshwar**



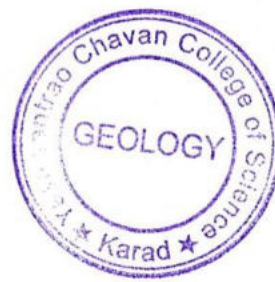
**(Plate 4): Columnar Joints of Mahad**



**(Plate 5): Wave cut platform at Harihareshwar**



**(Plate 6): Honeycomb structure at Harihareshwar**







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

Date: 27 /12/2019

To,  
The Principal,  
Yashwantrao Chavan College of Science, Karad.  
Karad.

**Subject:** Permission for B.Sc. III students to go on a study tour to Chunakolvan, Rajapur, Kankavali and Malvan.

Respected Sir,

I am writing to request your permission to organize study tour to Chunakolvan, Rajapur, Kankavali and Malvan for B.Sc. III geology students of our college. As you are aware, study tours are part of syllabus and essential part of a students learning experience. We are organizing this study tour to Chunakolvan, Rajapur, Kankavali and Malvan to provide a wonderful opportunity to obtain practical understanding about numerous aspects of rock science, structural geology and Indian geology. We plan to take about 16 students of B.Sc. III geology along with three faculty members on 3<sup>rd</sup> and 4<sup>th</sup> January 2020. Please allow for the same.

This visit will be conducted under guidance of following faculty members-

1. Mr. R.V. Desai (Study tour Incharge)
2. Mr. A.A. Lole
3. Ms. P. B. Sankpal

Thanking You,

Yours Faithfully

*[Signature]*

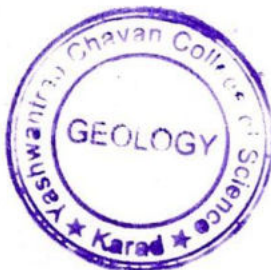
Head

Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.

*[Signature]*

Principal

Yashwantrao Chavan College of Science  
Karad





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

Date- 30.12.2019

To,

Respected

Concern Authority

Sir,

Geological study tour of B.Sc. III Geology students (11 Boys and 5 Girls) of Yashwantrao Chavan College of Science, Karad are on their visit to Chunakolvan, Rajapur, Kanakavali, Achara Beach and Malvan of Maharashtra State, on 03<sup>rd</sup> & 04<sup>th</sup> January 2019.

They are accompanied by **Prof. R. V. Desai, Prof. A.A. Lole and Prof. Ms. K.B. Sankpal.**

Please kindly co-operate them wherever necessary.

Student List is enclosed herewith.

Thanking you



Your faithfully

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



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

## **Department Of Geology**

### **B.Sc. III**


#### **Study Tour 2019-2020**

#### **Student List**

Date- 30.12.2019

<b>Sr.No</b>	<b>Roll No</b>	<b>Name of the Student</b>	<b>Age</b>
1)	3202	Chandekar Nikhil Devanand	21
2)	3203	Firane Somesh Ashok	20
3)	3204	Ingale Suraj Balaso	21
4)	3205	Jadhav Yogesh Rajaram	21
5)	3206	Jamale Sanket Pandurang	21
6)	3207	Jare Aniket Shridhar	21
7)	3209	Kharat Ritesha Sambhaji	21
8)	3210	Khardekar Shivraj Pradip	22
9)	3211	Mahadik Suraj Prakash	21
10)	3212	Mulla Jasmin Samir	21
11)	3213	Pathan Nihal Aslam	21
12)	3214	Patil Dipak Subhash	21
13)	3215	Pawar Madhura Sanjay	20
14)	3216	Sagavkar Prerana Pravin	20
15)	3218	Wasnik Vipul Pradeep	21
16)	3219	Yadav Snehal Tanaji	20



  
Principal,  
Yashwantrao Chavan College  
of Science, Karad

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE: 05.01.2020	REF. NO.: YCCSK/LAB/F - 15
PAGE	REV. NO.: 00

## STUDY TOUR PROGRAMME

( Year 2019 - 2020

**Class:** B.Sc. III

**Total Number of Students:** 16

**Dates of Study Tour:** 3<sup>rd</sup> and 4<sup>th</sup> January 2020

**Places of Visit:** Rajapur, Chunakolvan, Kanakavali, Achara Beach and Malavan

**Mode of Journey:** Traveler

**Names of The Teachers Accompanying:** Dr. R. V. Desai

Shri. A. A. Lole


Miss K. B. Sankpal

**Date & Time of Departure From Karad:** 3<sup>rd</sup> January 2020; 05:30 am

**Dates & Places of Visit:** Date - 3<sup>rd</sup> and 4<sup>th</sup> January 2020

1. Rajapur,
2. Chunakolvan,
3. Kanakavali,
4. Achara Beach
5. Malavan

**Date & Time of Arrival at Karad:** 4<sup>th</sup> January 2020; 08:30 pm

  
Teacher in-charge

  
Head of the Department  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.





# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE: 05.01.2020	REF. NO.: YCCSK/LAB/F - 15
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## STUDY TOUR REPORT

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Shri. A. A. Lole

Miss K. B. Sankpal


Date & Time of Departure From Karad: 3<sup>rd</sup> January 2020; 05:30 am

Dates & Places of Visit:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
3 <sup>rd</sup> and 4 <sup>th</sup> January 2020	Rajapur, Chunakolvan, Kanakavali, Achara Beach and Malavan	Lava flows, Laterites, Hot springs, Granite gneiss, HBL Schist, Pegmatite intrusion, autoclastic conglomerates were studied on the trip. Outcrop of Eparchean unconformity also visited.

Date & Time of Arrival at Karad: 4<sup>th</sup> January 2020; 08:30 pm

  
Teacher in-charge

  
Head of the Department  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad



Yashwantrao Chavan College of Science, Karad

Department Of Geology

B.Sc. III

Study Tour 2019-2020

**STUDENTS UNDERTAKING**

Date: - 27 /12/2019

We the undersigned students of B.Sc. III (Geology) attending the academic visit (as per syllabus) to Chunakolvan, Rajapur, Kanakavali, Achara Beach and Malvan at our own risk and cost. Faculty and institute will not be held responsible for any mishap/ eventualities during the visit. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the incharge throughout the visit. We shall be liable to strict disciplinary action for above condition, which may lead to even termination or detention from college.

Sr.No.	Roll.No.	Name of the Student	Mob. No. of Student	Signature
1.	3216	Sagavkar Prerana Pravin	7666133204	<i>[Signature]</i>
2.	3215	Padar Madhura Sanjay	9689340953	<i>[Signature]</i>
3.	3219	Yadav Snehal Tanaji	9767603053	J.T.Yadav
4.	3203	Fitame Somesh Ashok	8830336743	<i>[Signature]</i>
5.	3213	Pathan Nihal Aslam	9561610619	<i>[Signature]</i>
6.	3204	Ingele Sunat Balasa	8600607846	<i>[Signature]</i>
7.	3210	Khandekar Shivraj Pradip	9518952505	<i>[Signature]</i>
8.	3207	Jare Aniket Shridhar.	9637831423	<i>[Signature]</i>
9.	3206	Jamale Sanket Pandurang	8796074784	<i>[Signature]</i>
10.	3205	Jadhav Yogesh Rajarand	7066829590	<i>[Signature]</i>
11.	3218	Wabnik Vipul Pradeep	7875604858	<i>[Signature]</i>
12.	3209	Kharat Ritesha Sambhaji	8830677464	<i>[Signature]</i>
13.	3202	Chandekar Nikhil Dewanand	7709325245	<i>[Signature]</i>
14.	3212	Mulla Jasmin Samir	9146941619	<i>[Signature]</i>
15	3211	Mahalik Suraj Prakash	8830099366	<i>[Signature]</i>
16	3214	Patil Dipak Subhash	8329374726	<i>[Signature]</i>





# STUDY TOUR REPORT

## GEOLOGY

at

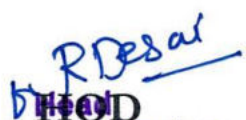
**CHUNAKOLVAN, RAJAPUR, KANKAVALI  
& MALVAN**



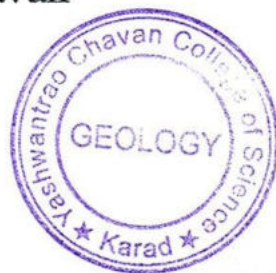
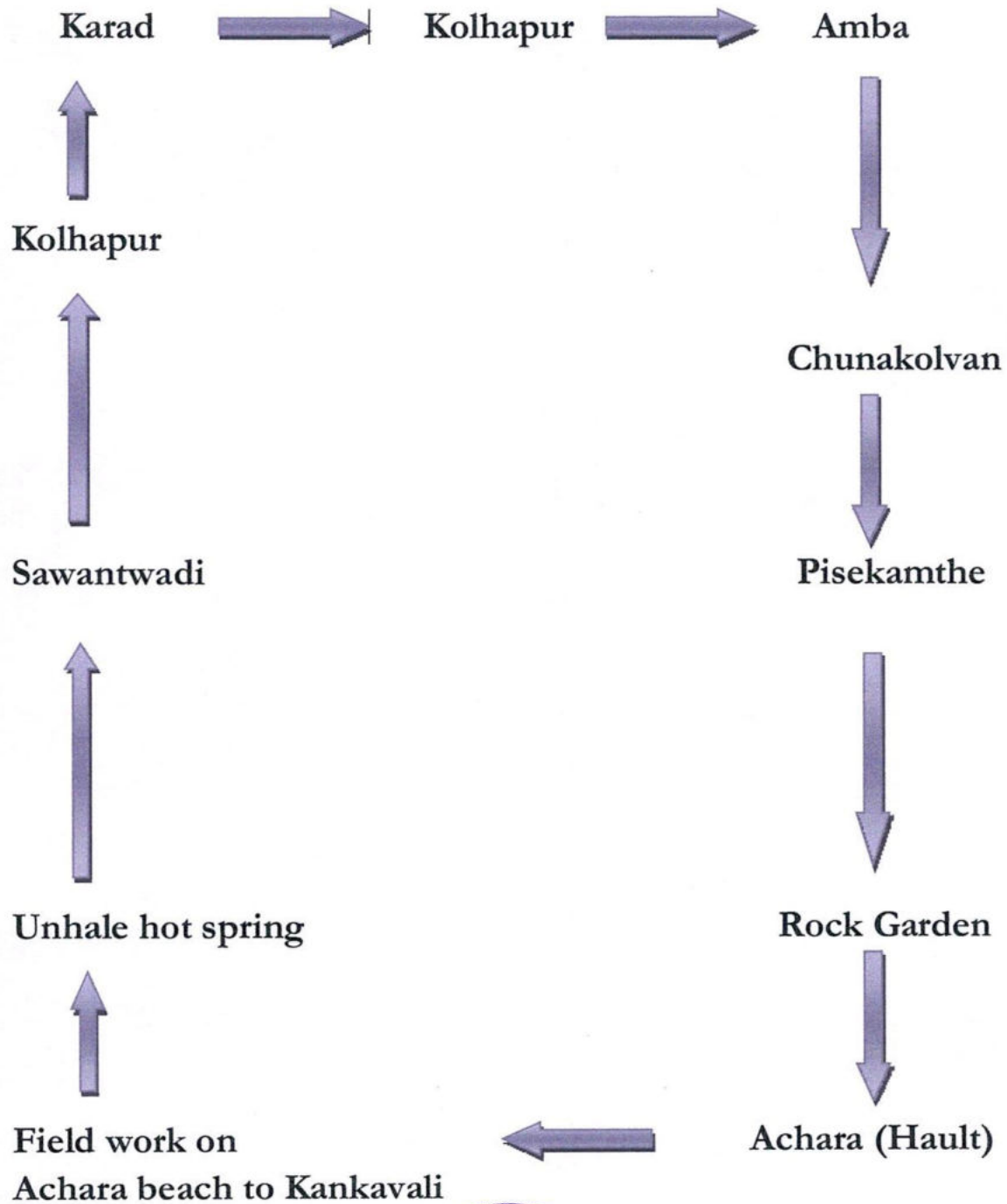
DATE – 3<sup>rd</sup> AND 4<sup>th</sup> January 2020

  
Study Tour Incharge



  
HOD  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.

## Route Map





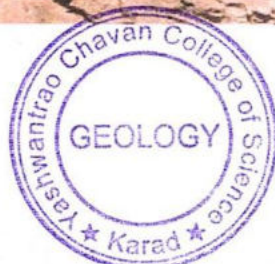
## Field Work at Amba Ghat:

The younger laterite is occurring on the top of most of hills. It is typical residual rock of sedimentary origin. It is derived from basaltic lava flows on account of differential chemical weathering of basalt under tropical climates i.e. high rainfall, high temperature and high humidity in this region. It is nothing but the residue left after chemical weathering it is reddish iron rich pores rock. It is used in Konkan area for preparation of bricks for building purpose. It is pores & permeable rock.

In the Amba ghat section different lava flows of basalt of Cretaceous to Paleocene age are exposed. Two lava flows are separated by red clayey layer which is called as 'Red Bole'. It is said to be formed by baking of sediments formed due to weathering of older basaltic lava flow. Baking effect because of upcoming younger lava imparts red colour to sediments. Basalt is gray in colour, hard and compact with fractures. Joints are interconnected with each other which are helpful for groundwater movement and also increase secondary porosity of the rock. Spheroidal weathering is also observed at many places in Ghat section.

## Field Work At Chunakolvan:

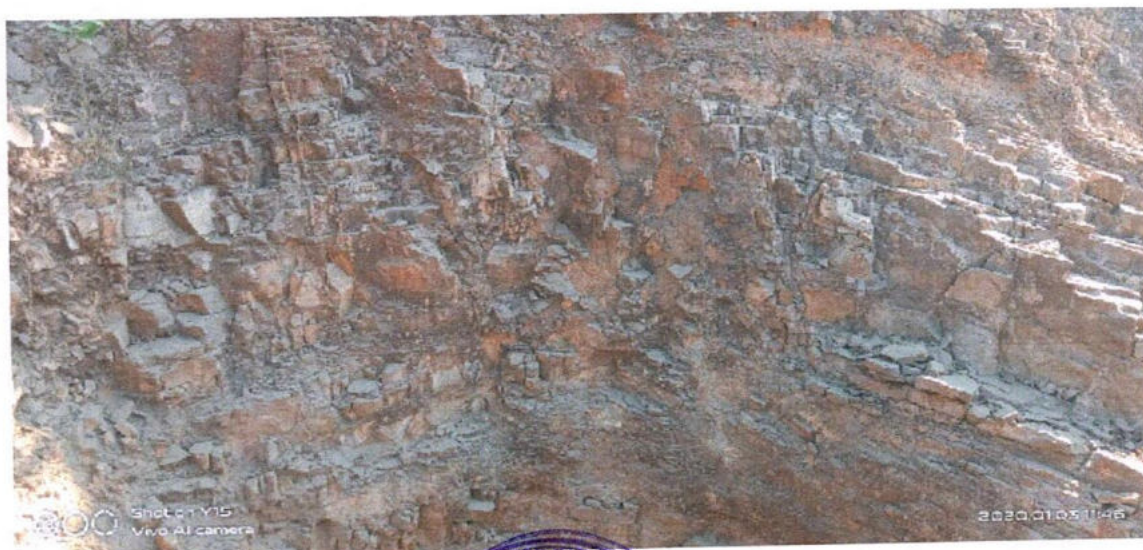
Metamorphic rock slate is best exposed in the stream cutting near Chunakolvan of Ratnagiri district. Slate of Chunakolvan are of Proterozoic in age and equivalent to or its an extension of Kaladgis of Karnataka. Slates are formed by cataclastic metamorphism of argillaceous rock like shale. Strike direction of slate bed is E-W with 30 deg. dip towards south.





## Unhale Hot Spring:

One interesting feature of Konkan coastal belt is the presence of hot water springs arranged in a fairly narrow linear belt from north of Mumbai to Ratnagiri area in the south. They occur somewhat midway between the Western Ghat Escarpment and the coast. Few names from north to south- Vajreshwari, Akoli kund, Ganeshpuri, Pali, Dasgaon, Unhere, Tural, Aaravali, Rajapur. During our field visit we came across one of these hot spring known as Unhale (Rajapur) hot spring. Unhale hot water spring is located in the Unhale village near Rajapur city. This hot water spring is on the floodplain of Kondavi river. Water temperatures are between 50 deg C to 75 deg C. Interestingly, analysis shows significant levels of radon gas at measured sites near Tural. Presence of radon gas hints at the reason why there are hot springs here. It points to deep circulation of water. The crust in this region is made up of a foundation of older Precambrian age granitic rocks overlain by several hundred meters of younger basalt of Late Cretaceous to Paleocene age (67-65 million years old). Radon forms by radioactive decay of uranium. The Deccan Basalts contain only tiny amounts of uranium. Granites on the other hand are enriched in uranium. Radon emission here imply that these fractures cut through the basalt pile and penetrate the 2 billion years and older granitic rocks underlying these basalts. Such fracture systems have provided a passageway for groundwater to percolate to great depths. Cool water comes in contact with hot rocks deep below and gets heated. This warmer buoyant water then rises to the surface, forming a hydrothermal circulation system.





## Field Work around Janavali:

Janavali is the tributary of Gad river flow in east- west direction. The Banded Hematite Quartzite (BHQ) are very well exposed at small hillock along bank of Janavali River. The separate bands of hematite and Quartzite's are clearly observed in this rock. This rock is the product of regional metamorphism of ferruginous sandstone.

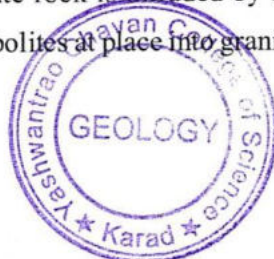


## Field Work around Kanakavli:

**1] Granite Gneiss:** Near Kankavli town gray colored granite gneiss is exposed in Gad River. It is well crystalline & show gneissose structure. It often contains, well-marked bands of micaceous mineral. It is well jointed. Pot holes are common in the river bed in this rock. Intrusion of dolerite dyke into granite gneiss & it is seen well exposed in Gad River. It is about 40 feet thick & is well jointed, the margin of dykes show chilling effect with a finer grain size. The grain size of dolerite increases towards center.

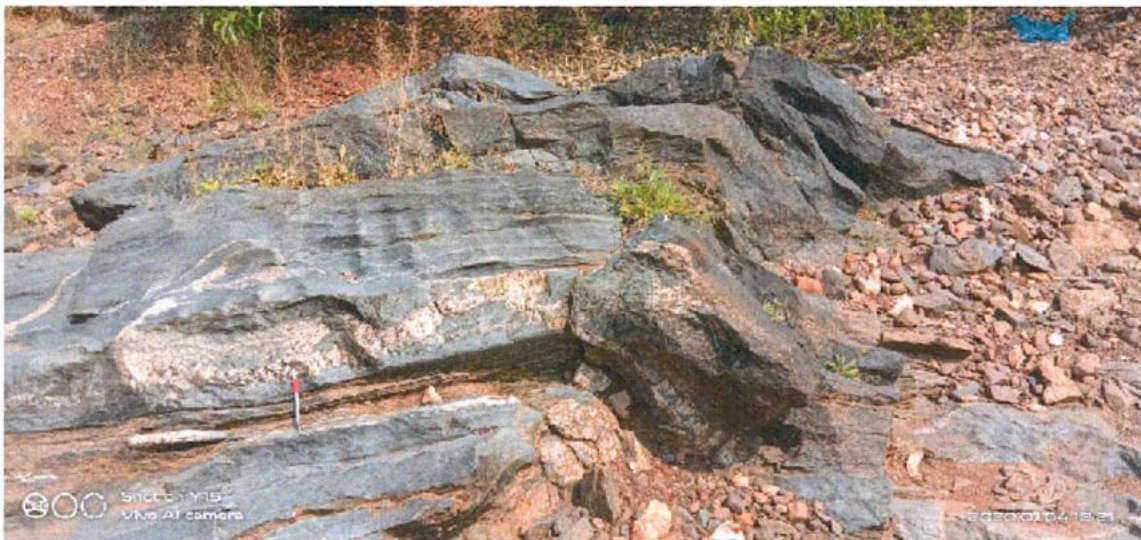
**2] Hornblende Schist:** The rock is well exposed in Gad River near village Pise Kamthe. These rocks are also called as amphibolite. The rocks strike N-S & show high angle dip. Strong folding is also observed in this rocks. Hbl schist are black colored rocks with marked schistose structure.

**3] Pegmatite intrusion:** Amphibolite rock is intruded by number of pegmatites material along schistose planes & converted amphibolites at place into granitic nature. Pegmatite veins are mostly



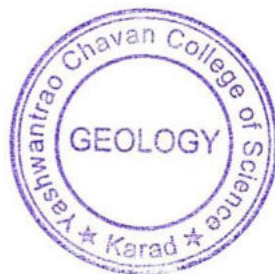
leucocratic pink in colour with coarse grained crystals of quartz and orthoclase. Ptygmatic folding is very common in all the veins.

**4] Autoclastic conglomerates:** The rocks are well exposed in Gad river bed near village Gothane. Here the lenticular or ablong little flatten rod's of Quartzites are mixed in a hbl schist or amphibolitic giving rise to conglomeratic nature. The Quartzite rods show common orientation parallel to schistose. The autoclastic conglomerates is believed to be formed due to flattening & elongation of Quartzitic blocks during metamorphism.



### **Eparchean Unconformity near Shravan:**

Well known Eparchean Unconformity is observed near Shravan in Gad River. Unconformity separates older Archean rocks and younger Proterozoic rocks. Archean rocks like hornblende schist are of Dharwar Supergroup while Proterozoic sandstone is from Kaladagi Supergroup. Basal conglomerate is marked between two rock formations. Ripple marks are also found on the top of younger strata of sandstone.



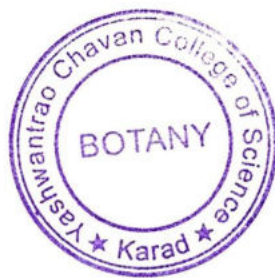


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Thursday, 27/02/2020
<b>Place of visit</b>	Pushkar Nursery, Surli
<b>Purpose of the Program</b>	1. To add knowledge about Horticulture and Floriculture. 2. To introduce skills in horticulture in students.
<b>No. of Students Participated</b>	03
<b>No. of Teachers Participated</b>	01
<b>Visit outcomes</b>	Students saw different types of ornamental plants. Nursery owner gave students an idea regarding building a nursery and management in it. Students also interacted with skilled workers of nursery. The main point of attraction was collection of cactus in nursery.



**Teacher In-charge**

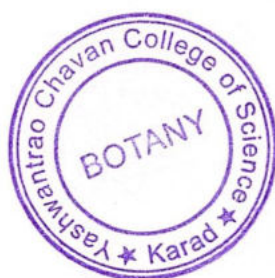
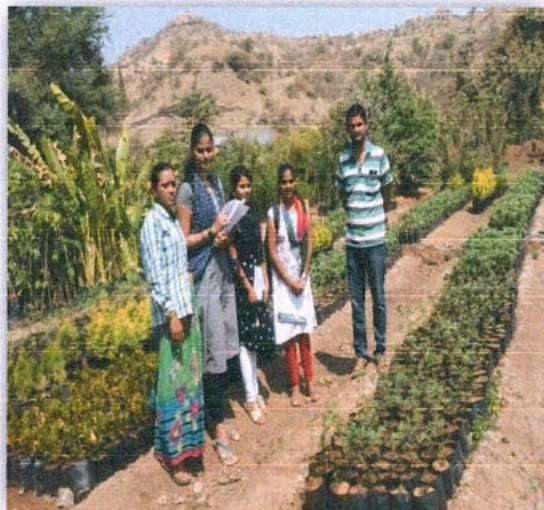
**Head**

**Department of Botany**  
**Head**  
**Department of Botany**  
**Yashwantrao Chavan College of Science, Karad**

**Principal**

**Yashwantrao Chavan College of Science**  
**Karad**

**Study Tour of B. Sc. Botany Students –  
Pushkar Nursery, Surli**



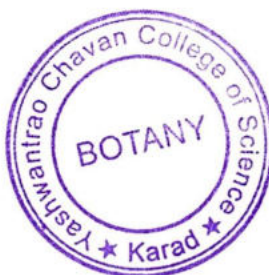


**Yashwantrao Chavan College of Science, Karad**


**Department of Botany**


**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Thursday & Friday 30/01/2020 & 31/01/2020
<b>Place of visit</b>	Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli
<b>Purpose of the Program</b>	1. To provide basic knowledge in Agriculture and modern trends in Agriculture. 2. To motivate students to inculcate modern science with Agriculture.
<b>No. of Students Participated</b>	09
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students learnt modern trends and research in Agriculture from expertise in the University. They also interacted with skilled worker in campus. Watershed management was something new which students learnt.



  
Teacher In-charge

  
Head  
Department of Botany  
**Head**  
Department of Botany  
Yashwantrao Chavan College of  
Science, Karad

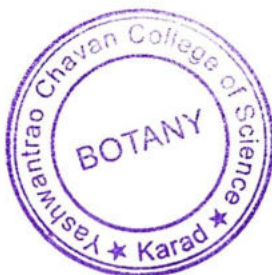
  
Principal  
**Principal**  
Yashwantrao Chavan College of Science  
Karad

**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Saturday, 25/01/2020
<b>Place of visit</b>	Central Experimental Station, Wakawali, Dapoli, Ratnagiri
<b>Purpose of the Program</b>	1. To introduce knowledge of different fruits and vegetables research for students. 2. To provide information regarding Agroforestry.
<b>No. of Students Participated</b>	08
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students learnt research on Tuber crops and other fruits and vegetables (Mango, Cashew, Coconut, Spices, Sapota, Rice and Animal Husbandry. They also learnt Water management and Agroforestry.



**Teacher In-charge**

**Head**

**Department of Botany**  
**Head**  
**Department of Botany**  
**Yashwantrao Chavan College of Science, Karad**

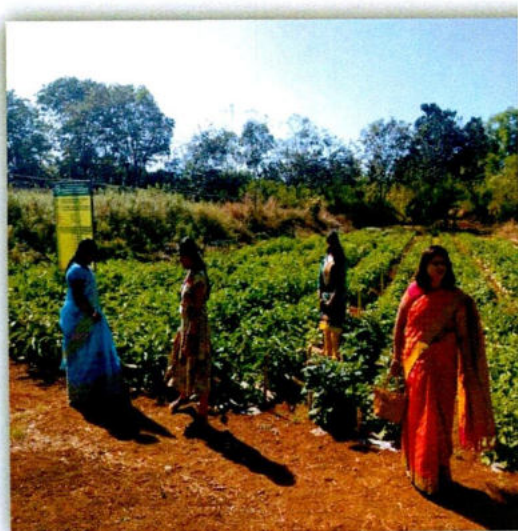
**Principal**

**Principal**

**Yashwantrao Chavan College of Science**  
**Karad**



**Study Tour of B. Sc. Botany Students –  
Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli**







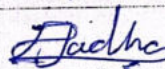
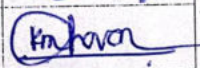

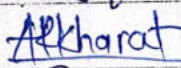


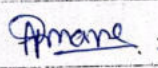
## Yashwantrao Chavan College of Science, Karad

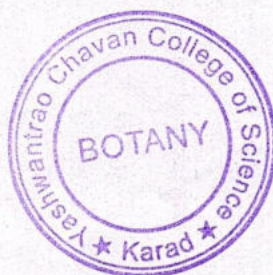
## Department of Botany/Pollution

## B.Sc. Part III

Study Tour 2019-20

Date: 30.01.2020

Sr. No.	Roll No.	Name of Students	Personel Contact No.	Fee Paid	Signature
1	3246	Patil chetana Uttam	8007811753		
2	3249	sankpal swarup P.	7620123952		
3	3242	Jadhav Ektal Eknath	9923952360		
4		Chavan komal Mahad	7219382359		
5	3243	Jagtap Shreya Rajend	9146754638		
6	3251	khawat Anuj Raghu	8600683783		
7		Pawar Mikheil Vishw			
8	3248	Pawar Tushar Chandrag	8484800018		
9	3245	Mane Aniket Ramesh	8379091206		
10	3251				
11					
12					
13					
14					
15					





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Department of Botany**

DATE: 30.08.2019	REF. NO.: YCCSK/LAB/F –
PAGE 01 OF 01.	REV. NO.: 00

**STUDY TOUR PROGRAMME**

Year 2019-2020

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS: 06

DATES OF STUDY TOUR : 30.01.2020 & 31.01.2020

PLACES OF VISIT : Dr. Balasaheb Sawant kokan Krishi Vidyapeeth, Dapoli

MODE OF JOURNEY : Hired Vehicle

NAMES OF THE TEACHERS ACCOMPANYING : Dr. S.A. Kirtane

DATE & TIME OF DEPARTURE FROM KARAD : 30.01.2020 at 7.00 a.m.

DATES & PLACES OF VISIT : 30.01.2020 & 31.01.2020, Dapoli

Sr.No.	Time	Programme
--------	------	-----------

Date: 30.01.2020

- |    |                        |  |
|----|------------------------|--|
| 1. | 7.30 a.m.              | Departure from Karad to Dapoli   |
| 2. | 11.30 a.m.             | Vakoli Vegetable Research Station, Dr. B. S. Kokan Krishi Vidyapeeth, Dapoli |
| 3. | 1.00 p.m. to 2.00 p.m. | Lunch Break  |
| 4. | 2.30 p.m. to 4.00 p.m. | Lakhi bag, Dr. B. S. Kokan Krishi Vidyapeeth, Dapoli                         |
| 5. | 4.00p.m. to 6.00 p.m.  | Visit to plantation around Dapoli  |
| 6. | 6.30p.m.               | Halt at Shetakari Bhavan, Dr. B. S. Kokan Krishi Vidyapeeth, Dapoli          |

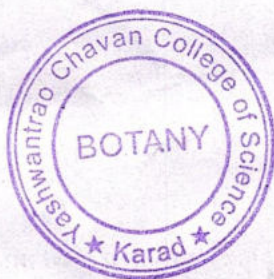
Date: 31.01.2020

- |     |                         |   |
|-----|-------------------------|---|
| 7.  | 9.00 a.m. to 12.30 p.m. | Visit to Charak Medicinal Garden & Nakshtra Van   |
| 8.  | 1.00 p.m. to 2.00 p.m.  | Lunch Break   |
| 9.  | 2.00 p.m. to 4.30 p.m.  | Amba Bag, Rubber Plantation, Solar Unit, Rain water Harvesting System, Compost Units etc. |
| 10. | 4.30 p.m.               | Departure to Karad  |

DATE & TIME OF ARIVAL AT KARAD: 31.01.2020 at 11.00 p.m.

Teacher in-charge

Head of the Department



**Head**  
**Department of Botany**  
**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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref. No / 551 / 2019-20

Date: 17/01/2020

To,

**Principal,**

B.S.D.T. Trust Ayurved Mahavidyalaya,  
Wagholi, Pune 412207

Subject: About permission to visit your Institute.

Respected Sir,

The students of our college (B. Sc. II Botany and Pollution) shall be on Botanical Study Tour to Pune on Saturday, 25<sup>th</sup> January 2020 to visit your Institute. They are likely to reach your Institute around 11.30 am.

We will highly appreciate if you could provide the information of various activities of your institute. We request you please, to accord the permission to visit your institute and make necessary arrangements for the same.

With kind regards,

Yours faithfully,

**Principal,**

Yashwantrao Chavan College  
of Science, Karad.



o/c



Estd. 1958



|| Be One with the downtrodden and the underprivileged ||  
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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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Ref. No. / 552 / 2019-20

Date: 17/01/2020

To,

**The Manager,**

Athrava Pharmacy,

B.S.D.T. Trust Ayurved Mahavidyalaya,

Wagholi, Pune 412207

Subject: About permission to visit your Pharmacy.

Respected Sir,

The students of our college (B. Sc. II Botany and Pollution) shall be on Botanical Study Tour to Pune on Saturday, 25<sup>th</sup> January 2020 to visit your Pharmacy.

We will highly appreciate if you could provide the information of various activities of your Pharmacy. We request you please, to accord the permission to visit your Pharmacy and make necessary arrangements for the same.

With kind regards,



Yours faithfully,

**Principal,**

Yashwantrao Chavan College  
of Science, Karad.

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**Permission to visit Institute**

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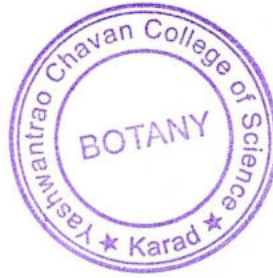
BSDT's Ayurved Mahavidyalaya, Wagholi, Pune <bsdtdam@gmail.com>  
To: Girish Potdar <girishpotdar@gmail.com>

Tue, Jan 21, 2020 at 2:49 PM

Respected sir,

With reference to your email dated 18 Jan 2020, your request for Institutional visit is approved for 25th January 2020, Vd. Kamble Sharavati (8698434667) will coordinate your visit.

Warm regards,  
Dr. Kulkarni  
Principal,  
BSDTAM, Wagholi, Pune.  
[Quoted text hidden]





**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
**B. Sc. II 2019-2020**

Date : 22.01.2019

Botanical study tour of B.Sc.II (Botany & Pollution) is arranged at Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune and B.S.D.T. Trust Ayurved Mahavidyalaya, Wagholi, Pune on 25<sup>th</sup> January 2020.

All concerned should note and follow.

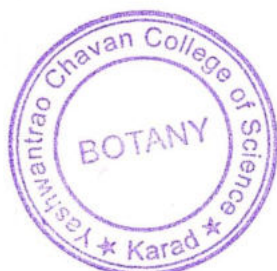
**Study tour programme**


Date	Time	Programme
25.01.2020	6.00 a.m.	Departure from Yashwantrao Chavan College of Science campus for Vengurla
	11.00 a.m.	Arrival at Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune
	1.00 p.m.	Departure
	2.00 p.m.	Arrival at B.S.D.T. Trust Ayurved Mahavidyalaya, Wagholi, Pune.
	2.30 p.m.	Lunch
	3.00 p.m.	Visit to B.S.D.T. Trust Ayurved Mahavidyalaya, Wagholi, Pune.
	5.00 p.m.	Departure for Karad
		Arrival at Karad up to 10.00 p.m.

**Instructions to the students**

1. Identity card, Note book, Pen.
2. All students to bring one time lunch & cash required for the personal use with them.
3. Blanket
4. Required medicines.
5. No valuable things are allowed.
6. All students should obey the orders of tour in-charge.

  
Teacher Incharge



  
**Head**  
**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**







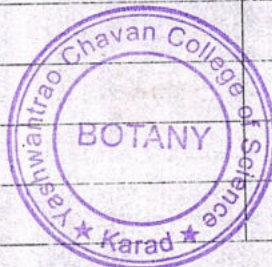
**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany / Pollution**  
**B.Sc. Part II**  
**Study Tour 2019-2020**  
**UNDERTAKING**

**BUS -**

Date: 25.01.2020

We, the undersigned students of B.Sc. Part II (Botany / Pollution) travelling in the study tour on our own risk. Further, we declare that, we will follow the time schedule and obey the orders of the in-charge throughout the tour.

Sr. No.	R. No.	Name of Students	Personal Contact No	Parent Contact No.	Signature
1	2267	Yadav Pranita Sunil	8808897494	9764304862	<i>[Signature]</i>
2	2316	Pisal Pratik Sanjay	7083096664		<i>[Signature]</i>
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Yashwantrao Chavan College of Science, Karad  
Department of ~~Botany~~ / Pollution  
B.Sc. Part II  
Study Tour 2019-2020  
UNDERTAKING

BUS -

Date: 25.01.2020

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Sr. No.	R. No.	Name of Students	Personal Contact No	Parent Contact No.	Signature
1	2638	pelwar pritam jendou	9146757936	7218934792	Pritam
2	2607	Magaz Rohini Balaso	7558473046	9545088135	Magaz
3	2592	Garud Neha Shankar	7066334379	9527216687	Garud
4	2583	chovan Rasika Bhauso	7057560638	8888499026	Bhauso
5	2610	mane Priyanka satish	7768096679	8975700336	Prane
6	2593	Garud Nikita Ankush	9359793270	9764293534	Garud
7	2602	Kamble Dhanashei Vitthal	9021328981	9923342883	Dhanes
8	2616	Mulla Karina Jahangir	7378611842	9545023231	Mulla
9	2597	Jadhav Ashwini Ramchandra	9623481686	8308011469	Jadhav
10	2612	Mohite Namrata Prakash.	9881348842	9579714160	Mohite
11	2604	Kumbhar omkar suraj	7798998922	7768821519	Kumbhar
12	2584	Charan Shubham. Adhik	7021240177	7499150125	Charan
13	2606	Lohar Rohit manik	8263092558	9822274698	Lohar
14	2591	Geikwad vaibhav Dadasaheb	8431169433	7071663636	Geikwad
15	2594	Gudekar Suraj Balu.	9834698892	9049766374	Suraj
16	2654	Suryawanshi Sushant. S	7620325186	9373168119	Suryawanshi
17	2653	Kumbhar Hrushvardhan. N	9284048629	8975770534	Kumbhar
18	2648	Shewale Vaishnav Vilas	9529191249	9657515417	Shewale
19	2599	Jadhav Swapnali Suresh	9112987410	9730574848	Jadhav
20	2635	Pawar Shreshtham Balaso	7709481932	9023933171	Pawar
21	2589	Dubal Ankita Annaso	8421916134	7385528417	Dubal
22	2581	Bardal Prerana Uddhav	77447697900	9689979481	Bardal
23	2587	Desai Pooja Shivaji	9881561796	7875459765	Desai
24	2652	Suryawanshi Nikhil. B	9309957540	9604574886	Nikhil
25	2649	Shinde Sangram Dadasaheb	9359773859	9359773859	Shinde





**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany / Pollution**

**B.Sc. Part II**  
**Study Tour 2019-2020**

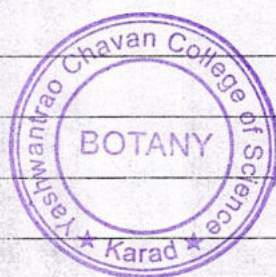
**UNDERTAKING**

**BUS -**

Date: 25.01.2020

We, the undersigned students of B.Sc. Part II (Botany / Pollution) travelling in the study tour on our own risk. Further, we declare that, we will follow the time schedule and obey the orders of the in-charge throughout the tour.

Sr. No.	R. No.	Name of Students	Personal Contact No	Parent Contact No.	Signature
1	2647	Shedage Karan Jagannath	9798943091	8888042036	<i>[Signature]</i>
2	2600	Jagdale Rushikesh R.	9595634775	9960264588	<i>[Signature]</i>
3	2613	Mohite Nilesh B	9075344496	9146979077	<i>[Signature]</i>
4	2619	Nikam Shubham D	9762070076	9623197797	<i>[Signature]</i>
5	2588	Deshmare Onkar Madhukar	9096690528	9766088978	<i>[Signature]</i>
6	2620	Patil Sahil Rafik	9975678428	9689748335	<i>[Signature]</i>
7	2121	Patil Sharukh Najir	9975678428	9975678428	<i>[Signature]</i>
8	2622	Patil Akash Prakash	9421035372	9011073231	<i>[Signature]</i>
9	2658	Paawar Swapnil D.	7387789875	9696135642	<i>[Signature]</i>
10	2642	Salunke Amit A.	9960418016	9552234452	<i>[Signature]</i>
11	2605	Kumbhar Suraj M	8691839825	9960736629	<i>[Signature]</i>
12	2595	Guman Ruturaj A.	9788194041	9075636045	<i>[Signature]</i>
13	2596	Guman Satya P.	9972578285	8866508215	<i>[Signature]</i>
14	2663	Patil Shubham A.	8890318995	9922379971	<i>[Signature]</i>
15	2623	Koti Akshay D.	8177846161	9604496666	<i>[Signature]</i>
16	2646	Amr - Ganesh Samant	9308446371	9128822329	<i>[Signature]</i>
17					
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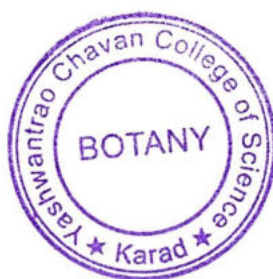


**Yashwantrao Chavan College of Science, Karad**


**Department of Botany**


**REPORT**

<b>Name of the activity</b>	Study Tour of B. Sc. II Botany Students
<b>Day &amp; Date</b>	Saturday, 25/01/2020
<b>Place of visit</b>	Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune and B.S.D.T. Trust Ayurveda Mahavidyalaya, Wagholi, Pune.
<b>Purpose of the Program</b>	To provide students with hands-on, real-world experiences which complement theoretical knowledge gained in the classroom and understand practical applications of their studies.
<b>No. of Students Participated</b>	72
<b>No. of Teachers Participated</b>	04
<b>Visit outcomes</b>	The students gained valuable insights about the subject matter through the interactions with subject experts of the institutes.



  
Teacher In-charge

  
Head  
Department of Botany  
**Head**  
Department of Botany  
Yashwantrao Chavan College of  
Science, Karad

  
Principal  
**Principal**  
Yashwantrao Chavan College of Science

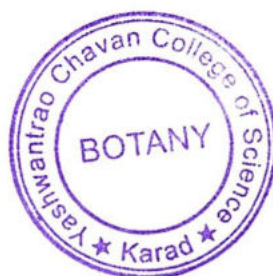
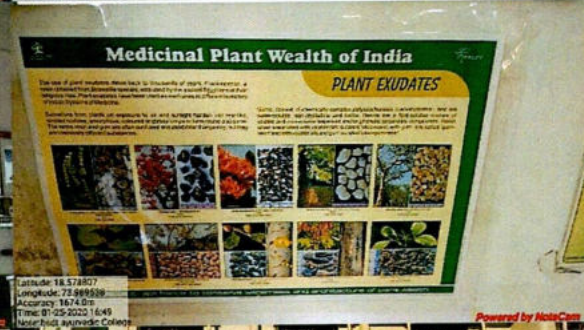
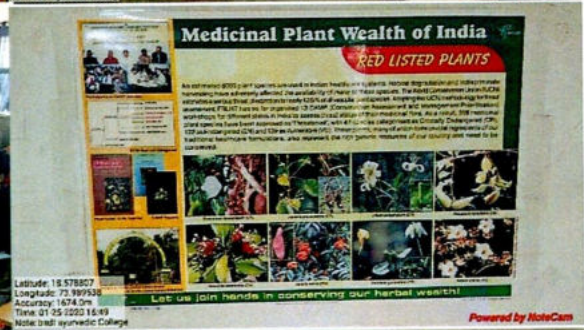
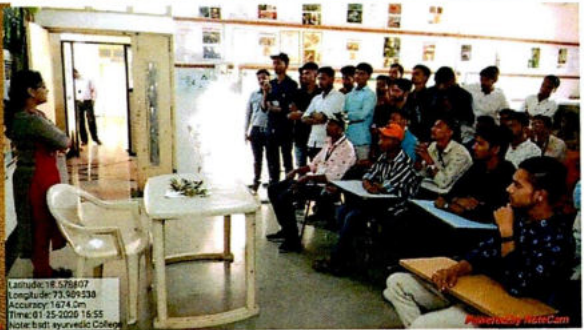


**Study Tour of B. Sc. Botany Students - Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune & B.S.D.T. Trust Ayurved Mahavidyalaya, Wagholi, Pune.**



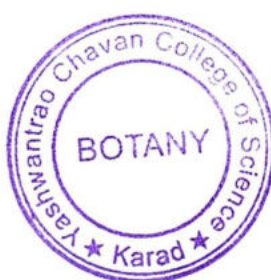


# Study Tour of B. Sc. Botany Students - Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune & B.S.D.T. Trust Ayurveda Mahavidyalaya, Wagholi, Pune.





**Study Tour of B. Sc. Botany Students - Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune & B.S.D.T. Trust Ayurveda Mahavidyalaya, Wagholi, Pune.**

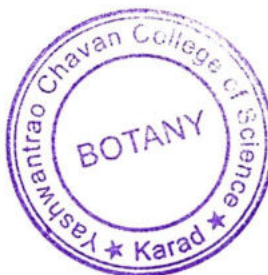


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Monday, 13/01/2020
<b>Place of visit</b>	Sadawhaghapur- Patan
<b>Purpose of the Program</b>	To understand floral diversity of that particular region including cryptogams and Phanerogams.
<b>No. of Students Participated</b>	43
<b>No. of Teachers Participated</b>	03
<b>Visit outcomes</b>	Students learnt something new apart from class room teaching. In addition to this, they learned how to write field notes during data collection.



**Teacher In-charge**

**Head**

**Department of Botany**

**Head**

**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**

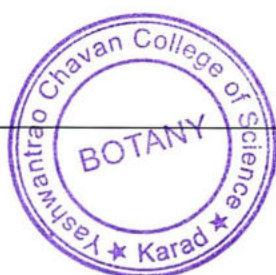
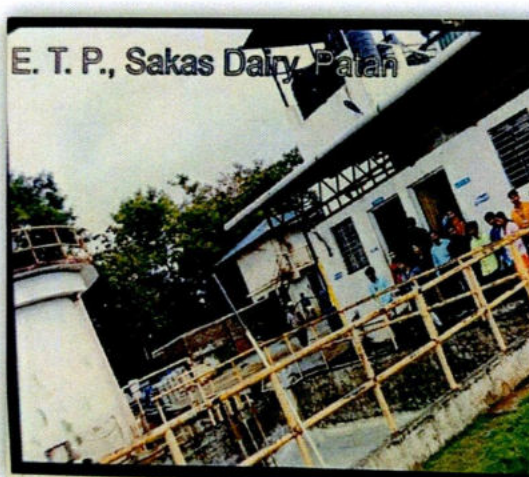
**Principal**

**Principal**

**Yashwantrao Chavan College of Science**  
**Karad**



Study Tour of B. Sc. Botany Students –  
Walmiki & Patan




**Yashwantrao Chavan College of Science, Karad**  
**Department of Computer Science**  
**Industrial Visit 2019-20**  
**NOTICE**

**Date: 10.02.2020**

To all Students of the B.Sc. CS Optional III and B.Sc. CS Entire III are hereby inform that the industrial visit has been organized at Shivaji University, Kolhapur on 25<sup>th</sup> Feb, 2020. You have to pay contribution Rs. 1000/- to Mr. N. V. Thorat Sir by 20<sup>th</sup> Feb, 2020.

  
Tour In- Charge



  
Head  
**Head**  
**Department of Computer Science**  
**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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No 633/2019-20

Date - 24/02/2020

To,

Director,

Department of Technology,

Shivaji University,

Kolhapur

Sub :- Permission to Visit your University....

Respected Sir,

The Yashwantrao Chavan College of Science, Karad with more than a decade long presence. The oldest in Karad, supporting the cause of value based education, offering education ranging from Under graduate program to post graduate. As part of curriculum of 3<sup>rd</sup> year student University Visit is mandatory, so as to provide them real insight of working procedure of a esteemed organization such as yours and to fulfill curriculum demand.

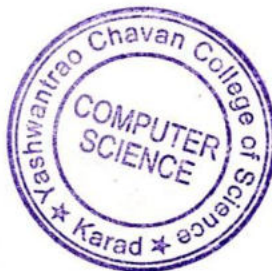
Our students from B.Sc.CS (Entire) & B.Sc.CS (Optional) Part III wish to visit your esteemed organization. Kindly accord permission to visit your esteemed organization for a team of 71 (5 Faculty + 66 Students) either in forenoon or afternoon session as per your convenience on date 25/02/2020.

Your co-oration in this regard will not only help the cause of education but will also strengthen the youth of the nation.

Waiting with anticipation,

With regards.

Yours Faithfully,



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

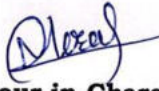
**Yashwantrao Chavan College of Science, Karad**  
**Department of Computer Science**  
**B.Sc. III CS (Entire & Optional)**  
**Study Tour Programme 2019-20**

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**Schedule**

**Date of Departure and arrival :- 25 February 2020 (One day)**

- a) Departure from YCCS Karad :- 7:00 am
- b) Arrival at Shivaji University, Kolhapur :- 10:30 am
- c) Arrival at Shivaji University, Kolhapur:- 11:00 am-4:00pm
- d) Departure from Shivaji University, Kolhapur:- 4:30 pm
- e) Arrival at Karad :- 8:30pm

  
**Tour in-Charge**

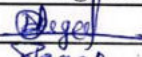
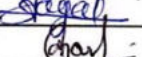
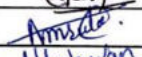
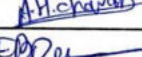
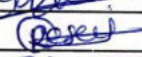
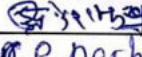
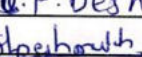
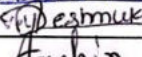
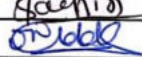
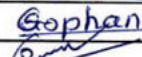
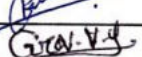
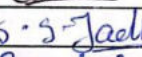
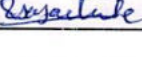

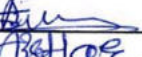
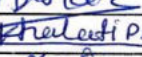
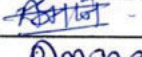
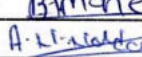
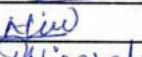
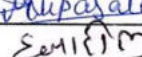
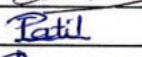
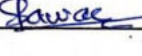
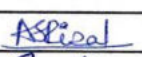


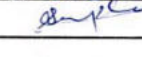
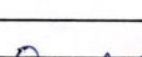








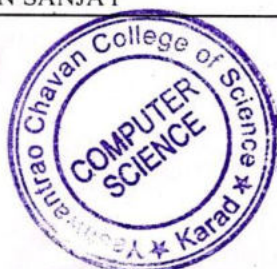
  
**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**B.Sc. CS (Entire) Part III**  
**STUDY TOUR ATTENDANCE 2019-20**

Date: 25/02/2020

Sr.No	Roll No	Name of Students	Signature
1	9301	BAGAL NEHA DHANAJI	
2	9302	BAGAL YOGITA DATTATRAY	
3	9303	CHAVAN AKSHAY SATISH	
4	9304	CHAVAN AMURTA NANDKUMAR	
5	9305	CHAVAN ANUP HIMMAT	
6	9306	DANANE KAJAL BALASAHEB	
7	9307	DESAI RAVINDRA RAGHUNATH	
8	9308	DESHAMUKH INDRAJIT DATTATRAY	
9	9309	DESHMUKH CHAITALI PRAKASH	
10	9310	DESHMUKH SUPRIYA LALASO	
11	9311	DESHMUKH VAISHNAVI UMAKANT	
12	9312	DURGE SACHIN SAKHARAM	
13	9313	GIDDE JAYDEEP NAMDEV	
14	9314	GOPHANE SANDYARANI SAMBHAJI	
15	9315	GURAV RUSHIKESH RAMESH	
16	9316	GURAV VRUSHALI UTTAMRAO	
17	9317	JADHAV SWAPNAJA SAMBHAJI	
18	9318	JAGADALE SNEHANKITA SUNIL	
19	9319	JAMADAR SARHAN SADIK	
20	9320	KACHARE RAHUL RAJENDRA	
21	9321	KADAM AMAR SHANKAR	
22	9322	KATKAR ASHUTOSH BALASAHEB	
23	9323	KHALATI PRIYANKA MAHADEV	
24	9324	MANE AMIT SHANKAR	
25	9325	MANE BHAGYASHRI ANANDRAO	
26	9326	NADAF ARBAJ NAJIR	
27	9327	NIKALJE MADANLAL MOHANRAO	
28	9328	NIPASALE MEGHA VIJAY	
29	9329	PATIL HARSHADA VASANT	
30	9330	PATIL POONAM TANAJI	
31	9331	PAWAR SUNIL BASU	
32	9332	PAWAR SURESH ANANDA	
33	9333	PISAL ASHWINI SHIVAJI	
34	9334	RAKATE PREETI PRASHANT	
35	9335	RAVIDHONE ADITYA YUVRAJ	
36	9336	SALUNKHE PRATHAMESH GANESH	
37	9337	SAPKAL ABHISHEK SUNIL	
38	9338	SHEWALE DIPALI DADASO	
39	9339	SHINDE ANIKET SAMBHAJI	
40	9340	SHINDE BIPIN SANJAY	



Sr.No	Roll No	Name of Students	Signature
41	9341	SHIRKE SHUBHAM KRISHNAT	SKShirke
42	9342	SIDDIQUI ALIM ABID	ASiddiqui
43	9343	SONAWALE SHRADDHA DEVANAND	Shraddha
44	9344	SUTAR SAGAR PRAKASH	Sutar
45	9345	TADAVI MAYUR CHHABU	Tadavi
46	9346	WAYKASKAR SAKSHI DHANANJAY	Waykaskar
47	9347	YADAV AMIT SATISH	Yadav




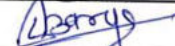





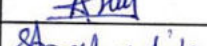


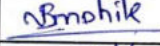

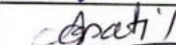

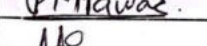


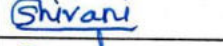
For

**Head**  
**Department of Computer Science**  
 Yashwantrao Chavan College of Science,  
 Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**B.Sc. CS (Optional) Part III**  
**STUDY TOUR ATTENDANCE 2019-20**

Date: 25/02/2020

Sr.No	Roll No	Name of Students	Signature
1	3061	Autade Vishranti Sanjay	
2	3062	Barge Ramesh Raghunath	
3	3063	Birajdar Rahul Revappa	
4	3064	Jadhav Archana Ananda	
5	3065	Kachare Pratik Suhas	
6	3066	Kadam Sooraj Ananda	
7	3067	Kamble Shardha Ramesh	
8	3068	Lad Aditya Sandeep	
9	3069	Mahadik Suhas Sanjod	
10	3070	Mane Ashish Bhaskar	
11	3071	Mohite Vikram Baban	
12	3072	Momin Mariya M.Asad	
13	3073	Patil Apurva Ashok	
14	3074	Pawar Priyanka Marutirao	
15	3075	Shinde Anuradha Adhikrao	
16	3076	Suryawanshi Suraj Sukhadev	
17	3077	Yadav Shivani Manik	
18	3078	Yadav Vishwajeet Arun	
19	3079	Gaikwad Ajay Anand	



  
**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**

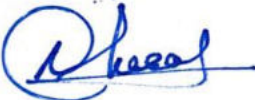
**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**Department of Computer Science**


**Study Tour Programme 2019-20**

**Class – B.Sc.CS (Entire) III**

- |   |   |   |
|---|---|---|
| 1 | Name of Department                                      | Computer Science  |
| 2 | Class & Subject for which Tour is arranged              | B.Sc.CS(Entire) Part III<br>Computer Science                    |
| 3 | No. of Student accompanying                             | 47(26Boys & 21Girls)<br>Student List in enclosed herewith       |
| 4 | Place of visit and approximate<br>Distance of traveling | 150km   |
|   | Place   | Shivaji University, Kolhapur                                    |
|   | Total Distance  | 150km   |
| 5 | Date of departure and arrival                           | 25/02/2020  |
|   | f) Departure from YCCS Karad                            | 7:00am  |
|   | g) Arrival at Shivaji Uni. Kolhapur                     | 10:30am   |
|   | h) Visit to Shivaji Uni. Kolhapur                       | 11:00am to 4:00pm   |
|   | i) Departure from Shivaji Uni. Kolhapur                 | 4:30pm  |
|   | j) Arrival at YCCS Karad                                | 8:30pm  |
| 6 | Mode of journey   | Travels   |
| 7 | Name of the Staff                                       | 1) Prof.N.V.Thorat<br>2) Prof.A.G.Jirange<br>3) Prof.S.G.Padyal |

  
(Tour in – Charge)



  
**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**Department of Computer Science**

**Study Tour Programme 2019-20**

**Class – B.Sc.CS (Optional) III**

- |   |   |   |
|---|---|---|
| 1 | Name of Department                                      | Computer Science  |
| 2 | Class & Subject for which Tour is arranged              | B.Sc.CS(Optional) Part III<br>Computer Science                  |
| 3 | No. of Student accompanying                             | 19 (11Boys & 08 Girls)<br>Student List in enclosed herewith     |
| 4 | Place of visit and approximate<br>Distance of traveling | 150km   |
|   | Place   | Shivaji University, Kolhapur                                    |
|   | Total Distance  | 150km   |
| 5 | Date of departure and arrival                           | 25/02/2020  |
|   | a) Departure from YCCS Karad                            | 7:00am  |
|   | b) Arrival at Shivaji Uni. Kolhapur                     | 10:30am   |
|   | c) Visit to Shivaji Uni. Kolhapur                       | 11:00am to 4:00pm   |
|   | d) Departure from Shivaji Uni. Kolhapur                 | 4:30pm  |
|   | e) Arrival at YCCS Karad                                | 8:30pm  |
| 6 | Mode of journey   | Travels   |
| 7 | Name of the Staff                                       | 1) Prof.N.V.Thorat<br>2) Prof.A.G.Jirange<br>3) Prof.S.G.Padyal |



(Tour in – Charge)





**Head**

**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**



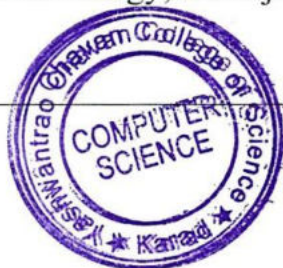
**Photos :**



**Dr. Shirakant Sir (Scientists), Dr. Oza Madam (Assistant Professor) and Dr. Pol Madam (Assistant Professor) while guiding about Future Trends and Opportunities in IT Industries and Research and Development.**



**“LION of Make in India” made using E-Waste by Students from Department of Technology, Shivaji University, Kolhapur.**





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD****DEPARTMENT OF COMPUTER SCIENCE****B.Sc.CS (Entire) Part III Study Tour 2019-20****UNDERTAKING**

We the undersigned students of B.Sc.CS(Entire) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of Students	Address	Contact No of Studnts	Contact No of Parents	Student Sign
1	9301	BAGAL NEHA DHANAJI	A/P-Yeralwadi T-Khatav D-Satara	7767887417	9011955163	N.D.Bagal
2	9302	BAGAL YOGITA DATTATRAY	A/P-Yeralwadi T-Khatav D-Satara	9112103307	9637232084	Bagal
3	9303	CHAVAN AKSHAY SATISH	A-Vanwasmachi P-Vahagaon T-Karad D-Satara	7719886787	9158296965	— Ak —
4	9304	CHAVAN AMURTA NANDKUMAR	A/P-Goregaon (Vangi) T-Khatav D-Satara	7038220779	8421619190	Amruta
5	9305	CHAVAN ANUP HIMMAT	A/P-Goregaon (Vangi) T-Khatav D-Satara	9168213969	7499649160	A.H.Chavan
6	9306	DANANE KAJAL BALASAHEB	A/P-Vimantal (Varunji) T-Karad D-Satara	7558536917	9822973129	Danane
7	9307	DESAI RAVINDRA RAGHUNATH	A/P-Adal T-Patan D-Satara	7028537126	8380948398	Desai
8	9308	DESHAMUKH INDRAJIT DATTATRAY	A/P-Kiroli (Si) T-Khatav D-Satara	9552989396	9552465336	Deshmukh
9	9309	DESHMUKH CHAITALI PRAKASH	A/P-Kiroli (Si) T-Khatav D-Satara	7558579765	9595457106	Deshmukh
	9310	DESHMUKH SUPRIYA LALASO	A/P-Kiroli (Si) T-Khatav D-Satara	9767895180	9850861553	Deshmukh
11	9311	DESHMUKH VAISHNAVI UMAKANT	A/P-Kiroli (Si) T-Khatav D-Satara	9768360746	7218424665	Deshmukh
12	9312	DURGE SACHIN SAKHARAM	A/P-Gude T-Shirala D-Sangli	8275972794	9422737151	Sachin
13	9313	GIDDE JAYDEEP NAMDEV	A/P-Tadavale T-Atpadi D-Sangli	9049382733	9730319461	Gidde





14	9314	GOPHANE SANDYARANI SAMBHAJI	A/P-Vaduj T-Khatav D-Sangli	7038160450	7448239957	<u>Gophane</u>
15	9315	GURAV RUSHIKESH RAMESH	Gajanan Housing Society MSEB Road Saidapur, Karad	9921764014	9421207907	<u>Gurav Ramesh</u>
16	9316	GURAV VRUSHALI UTTAMRAO	A/P-Kalewade T-Karad D-Satara	9168153819	9168543836	<u>Gurav V.V.</u>
17	9317	JADHAV SWAPNAJA SAMBHAJI	A/P-Masur T-Karad D-Satara	8830204794	9623765126	<u>S.S. Jadhav</u>
18	9318	JAGADALE SNEHANKITA SUNIL	A/P-Masur T-Karad D-Satara	8668405055	8983331033	<u>Jagdale</u>
19	9319	JAMADAR SARHAN SADIK	262, Guruwar peth Karad D-Satara	9130570503	9588420399	<u>Ab</u>
20	9320	KACHARE RAHUL RAJENDRA	A/P-Kuthre T-Patan D-Satara	7875433520	9146893549	<u>Rahul</u>
21	9321	KADAM AMAR SHANKAR	A/P-Rahimtpur T-Koregaon D-Satara	9766476528	7385855408	<u>Amar</u>
22	9322	KATKAR ASHUTOSH BALASAHEB	A/P-Kukudwad T-Man D-Satara	7774988517	7709329985	<u>Katkar</u>
23	9323	KHALATI PRIYANKA MAHADEV	A/P-Daribadachi T-Jat D-Sangli	7219743102	9975417126	<u>Khalati P.M.</u>
24	9324	MANE AMIT SHANKAR	Plat 11, Adwaith Residency Koyna Vasahat Karad D-Satara	8421916031	9604986271	<u>Mane</u>
25	9325	MANE BHAGYASHRI ANANDRAO	A/P-Rajache Kurla T-Khatav D-Satara	9096479973	9156526246	<u>Mane</u>
26	9326	NADAF ARBAJ NAJIR	A/P-Rahimtpur T-Koregaon D-Satara	7447847193	9970170863	<u>N. N. Nadaf</u>
27	9327	NIKALJE MADANLAL MOHANRAO	A/P-Korti T-Karad D-Satara	9763137705	7020674186	<u>Nikalje</u>
28	9328	NIPASALE MEGHA VIJAY	A/P-Kole T-Karad D-Satara	7741857671	9403347643	<u>Megha</u>
29	9329	PATIL HARSHADA VASANT	A/P-Atke T-Karad D-Satara	9325937017	9325937017	<u>Patil</u>
30	9330	PATIL POONAM TANAJI	A/P-Natali T-Shirala D-Sangli	9067926539	9561937675	<u>Patil</u>
31	9331	PAWAR SUNIL BASU	A/P-Uttar Parle T-Karad D-Satara	9762845912	9172718328	<u>Pawar</u>
32	9332	PAWAR SURESH ANANDA	A/P-Khodjaiwadi T-Karad D-Satara	8308797694	8308797694	<u>Ab</u>





33	9333	PISAL ASHWINI SHIVAJI	A/P-Chorade T-Khatav D-Satara	7038352324	8379001843	<u>Aslisa</u>
34	9334	RAKATE PREETI PRASHANT	A/P-Hajarmachi T-Karad D-Satara	7038876520	8600642904	<u>Prete</u>
35	9335	RAVIDHONE ADITYA YUVRAJ	A/P-Banwadi T-Karad D-Satara	8888628194	8624099088	<u>Ravish</u>
36	9336	SALUNKHE PRATHAMESH GANESH	A-Takale P-Targaon T-Koregaon D-Satara	9673800447	9623783299	<u>Prathamesh</u>
37	9337	SAPKAL ABHISHEK SUNIL	A/P-Dhebewadi T-Patan D-Satara	8450913761	8483835372	<u>Abhishek</u>
38	9338	SHEWALE DIPALI DADASO	A/P-Shere T-Karad D-Satara	9527644071	9834682734	<u>Ab</u>
39	9339	SHINDE ANIKET SAMBHAJI	A/P-Shindewadi T-Wing D-Satara	7769087413	8888320114	<u>Ab</u>
40	9340	SHINDE BIPIN SANJAY	B-8, Konark Vihar Vidyanagar, T-Karad D-Satara	7558555434	7071383131	<u>Bipin</u>
41	9341	SHIRKE SHUBHAM KRISHNAT	A/P-Nandlapur T-Karad D-Satara	9763344997	8208899813	<u>Shirke</u>
42	9342	SIDDIQUI ALIM ABID	A/P-Rahimtpur T-Koregaon D-Satara	9075657556	9518998767	<u>Siddiqui</u>
43	9343	SONAWALE SHRADDHA DEVANAND	A/P-Ving T-Karad D-Satara	8605063238	7447273141	<u>Ab</u>
44	9344	SUTAR SAGAR PRAKASH	A/P-Maldan T-Patan D-Satara	9773991767	9637440438	<u>Sutar</u>
45	9345	TADAVI MAYUR CHHABU	A/P-Patan T-Patan D-Satara	9146568010	9011355284	<u>Tadavi</u>
46	9346	WAYKASKAR SAKSHI DHANANJAY	J.P.Arcade Vakhan road Karad D-Satara	8530552349	9850793032	<u>Waykaskar</u>
47	9347	YADAV AMIT SATISH	A/P-Uttar Tambve T-Karad D-Satara	8796805277	9172799564	<u>Yadav</u>






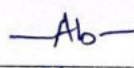
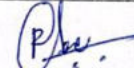
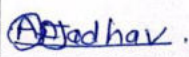


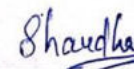

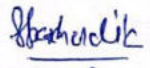

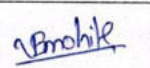
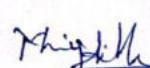
**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF COMPUTER SCIENCE**

**B.Sc. CS (Optional) Part III Study Tour 2019-20**

**UNDERTAKING**

We the undersigned students of B.Sc.III CS (Optional) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr.No.	Roll No.	Name of Students	Address	Contact No of Studnts	Contact No of Parents	Student Sign
1	3061	Autade Vishranti Sanjay	A-Autadwadi P-Vikhale T-Khatav D-Satara	7028777470	9527859917	
	3062	Barge Ramesh Raghunath	A/P-Kharade T-Karad D-Satara	7507323970	7350693017	
3	3063	Birajdar Rahul Revappa	A/P-Oglewadi T-Karad D-Satara	9970942508	9730679839	
4	3064	Jadhav Archana Ananda	A/P-Virwade T-Karad D-Satara	9730088460	9970869878	
5	3065	Kachare Pratik Suhas	A/P-Khale T-Patan D-Satara	9673892260	9637177193	
6	3066	Kadam Sooraj Ananda	Prathmesh Niwas Saddhicha Colony Vidyanagar T-Karad D-Satara	7743990200	7387540473	
7	3067	Kamble Shardha Ramesh	A/P-Padali Kase T-Karad D-Satara	9588648205	6202989869	
8	3068	Lad Aditya Sandeep	301, Somwar Peth Karad D-Satara	8087988989	8788639663	
9	3069	Mahadik Suhas Sanjay	A/P-Newari T-Kadegaon D-Sangli	7387759884	7387251826	
10	3070	Mane Ashish Bhaskar	A/P-Sablewadi T-Patan D-Satara	7507003913	8483933913	
11	3071	Mohite Vikram Baban	A/P-Belwade BK T-Karad D-Satara	8007709147	7420990964	
12	3072	Momin Mariya M.Asad	Raviwar Peth Momin Mohalla Karad T-Karad D-Satara	7057521734	9822774896	





13	3073	Patil Apurva Ashok	C/O Sahebrao Gaikwad R.No.202 Valjayanti Vihar A Wing Vindyavasini Road Ravtale Chiplun Ratnagiri	7448228050	7350608074	<i>Patil</i>
14	3074	Pawar Priyanka Marutirao	B-8, Swami Samartha Apartment Krishna Canol Govare Road Vidyanagar T-Karad D-Satara	9689354576	9766162827	<i>P.M. Pawar</i>
15	3075	Shinde Anuradha Adhikrao	A/P-Wangi T-Kadegaon D-Sangli	9730626151	7709790034	— Ab —
16	3076	Suryawanshi Suraj Sukhadev	A/P-Vita T-Khanapur D-Sangli	7972872290	9665987222	<i>S.S.</i>
17	3077	Yadav Shivani Manik	A/P-Shere T-Karad D-Satara	7972517851	7397968052	<i>Shivani</i>
18	3078	Yadav Vishwajeet Arun	A/P-Shirala T-Shirala D-Sangli	8411088011	9421220635	<i>Vijay</i>
19	3079	Gaikwad Ajay Anand	Subdra Niwas Ashtvinayak Colony Malkapur T-Karad D-Satara	9130769626	8830318796	<i>Ajay</i>





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:-**

**Date**

**To,**

**Mr.Avadhut Deshmukh**

**A3DXYZ Devices & System ,Karad.**

Respected Sir,

Our B.Sc.II or B.Sc.III (Electronics) Students visited to A3DXYZ Devices and System.

They Observed and learnt know hows of printer. Also they learnt functioning of printer.

We are thankful to you for this co operation.

**Thanking You,**

**Yours faithfully,**

**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**

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

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

Ref No:-

Date

To,

Mr. Avadhut Deshmukh

A3DXYZ Devices & System, Karad.

Subject :- About visiting company .

Respected Sir,

We have industrial visit as a part of Syllabus .

Hence we wish to visit A3DXYZ company on 10/05/2020 , Wednesday.

Please allow us to visit the Company .

The No. of Student visiting will be 29, Two Teachers will escort them.

Thanking You,

Yours faithfully,

**Principal**

Yashwantrao Chavan College of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD**

**DEPARTMENT OF ELECTRONICS**


**TOUR REPORT**

**2019-20**


**B.Sc-III**

**A3DXYZ Device & System ,3D Printer Workshop ,GH Society,Karad**

Name of Student – **Nikam Ashwini Sambhaji**

  
Teacher in charge



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



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD

## DEPARTMENT OF ELECTRONICS

### CERTIFICATE

Industrial Visit 2019-2020

This is to Certify that Mr./Miss. Kadam Vikrant Vasant

-----  
of B.Sc.III class participated in the Industrial visit  
organized by Department of Electronics to 3D printer  
Workshop, GH Society, Karad.

He/She has Submitted his/her industrial visit report  
on 10 may 2020.

Tour In-charge

Examinar

HOD  
HEAD

Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad



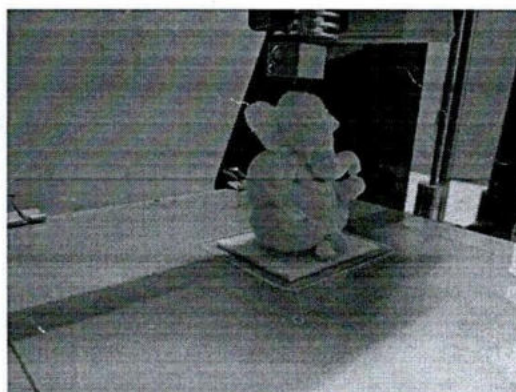
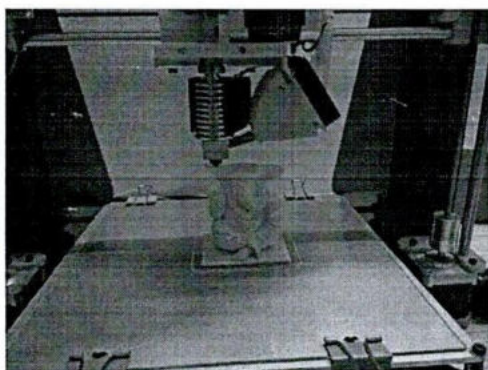
## TOUR REPORT

As part of the MOU with Innovhub Systems Private Limited, our Department arranged industrial visit on 30<sup>th</sup> May 2023. The aim of visit was to collect information about 3D printer.

As per program, Shri. R. S Deshmukh, Director, Innovhub Systems Private Limited discussed valuable information about 3D printer with their steps of assembling, installation, working and testing.

A 3D printer, computerized device that produces a three-dimensional object by creating it as a series of thin layers. The object is created from a model stored in computer-aided design file; the model is sliced into hundreds or thousands of very thin horizontal layers using computer software, and each layer is sent to the 3D printer to be created successively until the entire object is formed. A number of different processes are used by 3D printers to create objects. Droplets of a melted material deposited to form the layers, ultraviolet light may be used to harden layers from a pool of photo curable liquid resin, or a laser or electron beam may be used to sinter (see sintering) or melt particles in a bed of powder to form the layers. A wide variety of materials used depending on the process, including thermoplastics, metals, ceramic powders, plaster, and chocolate and other foodstuffs. A 3D printer mainly consists frame, stepper motor, heater etc.

A 3D printing starts with making a virtual design of the object you want to create. This virtual design is made in a CAD (Computer Aided Design) file using a 3D modeling program (for the creation of a totally new object) or with the use of a 3D scanner (to copy an existing object). A 3D scanner makes a 3D digital copy of an object.





## Tour Report

Department of Electronics arranged industrial visit 5 may 2023 in the aim of visit was to collect information about 3D printer.

As per program, Shri. R.S Deshmukh discussed valuable information about 3D printer with their steps of assembling, installation, working and testing.

A 3D printer, computerized device that produces a three-dimensional object by creating it as a series of thin layers. The object is created from a model stored in computer-aided design file; the model is sliced into hundreds or thousands of very thin horizontal layers using computer software, and each layer is sent to 3D printer to be created successively until the entire object is formed. A number of different processes are used by 3D printers to create objects. Droplets of a melted deposited to form the layers, ultraviolet light may be used to harden layers from a pool of photo curable liquid resin, or a laser or electron beam may be used to sinter or melt particles in a bed of powder to form the layers. A wide variety of materials used depending on the process, including thermoplastics, metals, ceramic powders, plaster, and chocolate and other foodstuffs. A 3D printers mainly consists frame, stepper motor, heater etc.

A 3D printing starts with making a virtual design of the object you want to create. This virtual design is made in a CAD (computer aided design) file using a 3D modelling program (for the creation of a totally new object) or with the use of a 3D scanner (to copy an existing object). A 3D scanner makes a 3D digital copy of an object



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2019-2020

CLASS: B. Sc. II Zoology

TOTAL NUMBER OF STUDENTS: 129

DATES OF STUDY TOUR:

17<sup>th</sup> Jan , 2020

PLACES OF VISIT:

Chandoli National Park

MODE OF JOURNEY:

S. T. Bus

NAMES OF THE TEACHERS ACCOMPANYING:


- 1) Miss. Y. B. Yadav
- 2) Miss. Lohar S. A
- 3) Miss. Mane P. V.
- 4) Mr. Sutar K. A.

DATE & TIME OF DEPARTURE FROM KARAD: 17<sup>th</sup> Jan , 2020; 10.30 a.m.


DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
17th Jan , 2020	: Chandoli National Park	Students gained knowledge about animal biodiversity

DATE & TIME OF ARRIVAL AT KARAD: ; 17th Jan , 2020; 10.30 a.m. 09.00 p.m

  
Teacher in-charge



  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad





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दि. १६/१/२०२०

प्रति,

मा. अधीक्षक,

चांदोली राष्ट्रीय उद्यान, चांदोली.

विषय - चांदोली राष्ट्रीय उद्यानात अभ्यास सहलीसाठी प्रवेश  
मिळणेबाबत.


महोदय,

आमच्या महाविद्यालयातील प्राणीशास्त्र विषयाच्या  
बी. एस्सी. भाग - २ या वर्गाच्या शैक्षणिक सहलीकरीता दि.  
१७/०१/२०२० रोजी १२९ विद्यार्थी व ६ स्टाफ चांदोली राष्ट्रीय  
उद्यान येथे भेट देण्यासाठी येणार आहेत तरी या अभ्यास  
सहलीसाठी परवानगी मिळावी ही विनंती.

कळावे,



आपला विश्वासू,

  
Principal,  
Yashwantrao Chavan College  
of Science, Karad.





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Department of Zoology

Date - 16/01/2020

UNDERTAKING B.Sc. II. STUDY TOUR - 2019-20

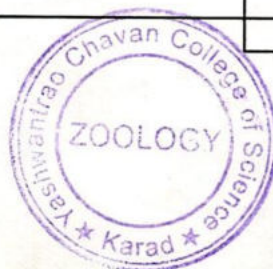
We are undersigned students of B.Sc.II(Zoology) are attending an educational tour with our teachers to Chandoli, Nanij 17/01/2020 (6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Sr. No	Name of the Student (BUS NO - 1)	Mobile No	Signature
1	DESHMUKH SONALI RAMCHANDRA	9552912037	Deshmukh
2	DEVKAR AKASH MAHENDRA	9559767972134	Devkar
3	GAIKWAD AMITA ANNASO	9509193340	Gaikwad
4	GHOLAP ASHWINI PANDURANG	7897911457	Gholap
5	GOVEKAR KANCHAN BHARAT	7558742480	Govkar
6	HAWARE POOJA SHASHIKANT	7499967113	Haware
7	JADHAV MANISHA DHANAJI		
8	JADHAV MOHINI DADASO	7721021617	Jadhav
9	JADHAV PRATIKSHA BAJIRAO	9975492942	Jadhav
10	JAGDALE KAJAL BALASAHEB	7448224291	Jagdale
11	JAGDALE PRANOUTI PRASHANT	7719985635	Jagdale
12	JANGADE SNEHAL ANIL	9146875709	Jangade
13	JANUGADE SHWETA SHAILENDRA	9370734606	Janugade
14	KADAM PRATIKSHA PRADIP	9130572007	Kadam
15	KADAM PRIYANKA ANIL	9175750037	Kadam
16	KALBHOR RUCHITA MAHADEV	7066220445	Kalbor
17	KALKURE PRIYANKA MALLU	7059384340	Kalkure
18	LOHAR SONALI SHIVAJI	9763317213	Lohar
19	MOHITE PRANJALI ASHOK	9762464299	Mohite
20	PAWAR PRATIKSHA BALASAHEB	8806305776	Pawar
21	PAWAR PRATIKSHA SHIVAJI	9623697750	Pawar
22	PUSEGAONKAR MRUNAL MILIND	7378768400	Pusgaonkar
23	REKE SHRUTI SHARAD	9130604470	Reke
24	SABALE DIPALI PANDURANG	8975995215	Sabale
25	SAKATE ANITA KANTA	7448242772	Sakate
26	SHINDE GANDHALI SANJAY	7820954663	G.S. Shinde
27	SHINDE SHRADDHA SATISH	8788995175	Shinde
28	SHINDE SHRAVANI SUDHIR	7038202510	Shinde
29	DHARME SNEHAL REVANANATH	9665339899	Sharma
30	SHINDE VAIBHAV NETAJI	7020715325	Shinde
31	CHAVAN YOGITA RAJENDRA	9857412363	Chavan
32	KOTULKAR DHANASHREE ANANDRAO	8308652739	Kotulkar
33	PATWEKAR ANAM SAJID		
34	BHAGWAT SHREYA PRAMOD	9307731186	Bhagwat
35	BHOSALE HARSHADA PRAVIN		
36	GAIKWAD RUTUJA DIPAK	9825088553	Gaikwad
37	GHADAGE HARSHADA HANMANT		
38	PATIL SANIKA SUNIL	7719942246	Patil
39	PAWAR SHARAYU SHASHIKANT	8999603725	Pawar
40	RASAL VANDANA RAMCHANDRA		
41	SALUKHE KAJAL MARUTI	8999606470	Salunkhe
42	SALUKHE NEHA ANANDRAO		
43	SALVE SHIVANI DATTATRAY		
44	SANKPAL VAISHNAVI RAMESH		
45	SHINDE AKANKSHA DIPAK	9665381364	Shinde
46	DESHMUKH GIRISH MILIND	9373598361	Deshmukh
47	DEVKAR AKASH MAHENDRA		
48	SHINDE PRANAV MAHADEV	901191569	Shinde

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad



Principal,

Yashwantrao Chavan College of Science, Karad.



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Department of Zoology

Date - 16/01/2020

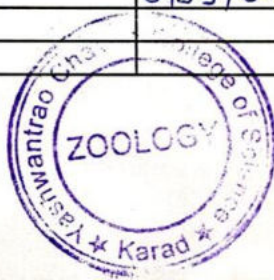
UNDERTAKING B.Sc. II. STUDY TOUR - 2019 - 20

We are undersigned students of B.Sc.II(Zoology) are attending an educational tour with our teachers to Chandoli, Nanij 17/01/2020 (6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Sr. No	Name of the Student (BUS NO - 2)	Mobile No	Signature
1	CHAVAN NEHA TUKARAM	8600683447	(Neha)
2	JADHAV APURVA SHIVAJI	9834643941	(Adhar)
3	JAGTAP AKSHATA RAJARAM	9370715627	(Akshata)
4	MANE SUPRIYA SUBHASH	9623812276	(Mane...)
5	MIRAJKAR PRACHI RAHUL	8805118950	(Prachi)
6	PAWAR DIPTI KRUSHNAT	9172631846	(Dipti)
7	PAWAR NIKITA NETAJI	8806368866	(Nikita)
8	SUTAR ASHWINI RAJARAM	7038175207	(Ashwini)
9	PUJARI SHRUTIKA BHIMRAO	9860578811	(Shrutika)
10	SHINDE TEJASWI SHANKAR	8308903296	(Shinde)
11	PATANKAR SUCHITA VISHWAS	7030328867	(Patankar)
12	PATIL SNEHAL SURYKANT	9552701494	(Patil)
13	PAWAR TANVI TUSHAR	9922683635	(Pawar)
14	BANDAL RASIKA SANJAY	9307286637	(Bandal)
15	JADHAV KOMAL PRAKASH	7083967435	(Jadhav)
16	PATIL RUTUJA RAJARAM	9595588485	(Rinu)
17	SHELKE DAMINI NITIN		
18	CHAVAN MEGHA RAMCHANDRA		
19	DUBAL KASHMIRA RAVINDRA	9623193484	(Dubal)
20	PAWAR POOJA CHANDRAKANT	8530457416	(9970435697)
21	JAMBURE ARTI SANJAY	8551044614	(Jambure)
22	GHARGE SHIVANJALI SAMBHAJI	8805491245	(S.S. Gharge)
23	KALEBAG SNEHAL SAHEBRAO	9767207133	(Kalebag)
24	PATIL MONIKA ARUN	7666585612	(Monika)
25	PATIL MANASI VIKAS	7499500387	(Manasi)
26	CHAVAN ONKAR DATTATRAY	9595383001	(Chavan)
27	JADHAV SHRIDHAR ANIL	9769064063	(Jadhav)
28	JAGTAP ASHITOSH VINAYAK	7083968856	(Jagtap)
29	KADOLE SOURABH RAMCHANDRA	9326168989	(Kadole)
30	PATIL PRATHAMESH SUNIL	7887522252	(Prathamesh)
31	SURYAWANSHI ASHITOSH MURLIDHAR	9834475526	(Suryawanshi)
32	SUTAR SHEKHAR KUMAR	9021347060	(Sutar)
33	JAGDALE SURAJ RAJENDRA	9604464442	(Jagdale)
34	ATTAR SIDDHIKA ARIF	97720005786	(Siddika)
35	DHOTRE PALLAVI VILAS	9130092178	(P. Dhotre)
36	KAPURKAR SHWETA SAMPAT	8830320163	(Kapurkar)
37	KHAIRATKHAN ALIYA ASIF	7721001847	(A.Khan)
38	KIRPE OMAR JAGANNATH		
39	JADHAV SHUBHAM SATISH	7038856702	(Shubham)
40	CHAVAN SANGRAM HANMANT		
41	KADAM SHRUTI SANGRAM	7066148899	(Kadam)
42	MALI MEGHA SANJAY	9112991503	(Malik)
43	MOMIN REENA RASHID	8408852214	(Momin)
44	LOKARE POOJA KRUSHNAT	7262914465	(Lokare)
45	MORE KOMAL PRATAP	9923068963	(More)
46	NALAWADE TEJASWINI SUNIL	9065148834	(Nalawade)
47	PATIL ANJALI GOVIND	9604636694	(Anjali)
48	PATIL ANKITA ANIL	8459754517	(Anita)

Head

Department of Zoology  
Yashwantrao Chavan College of Science, Karad



Principal,

Yashwantrao Chavan College  
of Science, Karad.



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Department of Zoology

Date - 16/01/2020

UNDERTAKING B.Sc. II. STUDY TOUR - 2019 - 20

We are undersigned students of B.Sc.II(Zoology) are attending an educational tour with our teachers to Chandoli, Nanij 17/01/2020 (6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Sr. No	Name of the Student (BUS NO - 3)	Student Mob. No	Signature
1	PATIL RUTUJA RAJENDRA	<del>9995</del> 9158799288	<u>Rutij</u>
2	JADHAV SHUBHAM PRADIP		
3	PAWAR TEJASWINI ARUN		
4	PISAL HARASHADA KRUSHNAT		
5	SABNIS NAMRATA SHARAD		
6	VAGARE DIPALI DATTATRAY	9307526994	<u>D. Vagare</u>
7	DANGARE ALFIYA SALEEM	8421599617	<u>A. Dangare</u>
8	DESAI SWALIHA SALIM	7249027303	<u>S. Desai</u>
9	KOLI GANESH RAJENDRA	7028897228	<u>G. Koli</u>
10	NANGARE RUSHIKESH ANIL	7758955105	<u>R. Nangare</u>
11	DESAI SAYALI SHASHIKANT	8956167061	<u>S. Desai</u>
12	GAIKWAD ANKITA TANAJI		
13	MULLA MATHIN SHOUKAT	9922614991	<u>M. Mulla</u>
14	SHIRKE POOJA PRAKASH	9011200768	<u>P. Shirke</u>
15	SURVE NAMRATA EKNATH		
16	MULLA MUJJAFAR NAJIR	7030605363	<u>M. Mulla</u>
17	SONAWALE SONALI DIGAMBAR		
18	JADHAV SHIVRAJ DATTARAYA		
19	SHIKALGAR ARBAJ HUSEN	9766426829	<u>A. Shikalgar</u>
20	JADHAV YOGESH DADASO		
21	NALAWADE SUPRIYA ANIL	9112850391	<u>S. Nalawade</u>
22	MANE SONALI SUBHASH	9370541099	<u>S. Mane</u>
23	PATIL VARADA VINAYAK	9373062105	<u>V. Patil</u>
24	MUJAVAR AIMAAN TANVEER	9096463486	
25	NALAWADE ANKITA KRUSHNAT	9325202684	<u>A. Nalawade</u>
26	MANE NIKITA SANJAY	7057855879	
27	YADAV PRAJAKTA ABAJI	7517215967	
28	PAWAR SHIVANJI SHANAJI	8605021175	
29	DUBAL SONIYA DHANAJI	7038881238	
30	MOHITE YESHA PRAKASH	7420848745	<u>S. Mohite</u>
31	PAWAR SHWETARANI KRUSHNAT	9921682813	<u>S. Pawar</u>
32	PATIL ISSHA NANDKUMAR.	9011530391	<u>I. Patil</u>
33	PATIL MADHURA SAMBHARAJ	8993544556	<u>M. Patil</u>
34	SHVAN SANGRAM HANMANT		
35	PAWAR PRAVIN RAVINDR.	89405280916	<u>P. Pawar</u>
36			
37			
38			
39			
40			

NO Money.

M. Nalawade

Head

Department of Zoology  
Yashwantrao Chavan College of Science, Karad



S. Nalawade

Principal,

Yashwantrao Chavan College  
of Science, Karad.





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## UNDERTAKING

Department of Zoology

Date- 02-02-2020

### B.Sc. III. STUDY TOUR 2019-2020

We are undersigned student of B.Sc. III Zoology are attending an educational tour with our teacher's to Ratnagiri 09/01/2020 to 11/01/2020 arrival at karad to visit places of educational interest We are travelling on our own risk and we further declare that we are will follow the time schedule and obey the order's of the incharge throughout the tour .

Sr.	Name of the student	Student Mob. No.	Parent's Mob. No.	Student Sign.
1	Kushte Akash Chandrakant	7040 52 8084	9011 22 5165	Kushte
2	Phatak Monika Pandurang	776805 1962	7559148182	M Phatak
3	Maskar Pratiksha Janardan	8600773806	9890268640	Maskar
4	Patil Pooja Tanaji	9067926539	9561937675	Patil
5	More Vishal Anil	8530873489	9860356561	More
6	Mulla Raheena Sattar	9011440786	9423864481	Mulla
7	Kumbhar Pushpa Madhukar	9623556632	7040565070	Kumbhar
8	Kothawale Priyanka Sunil	9284737328	9970927875	P. Kothawale
9	Reur Faranaz Mohammad	7768830873	9421514852	Reur
10	Reur Fareen Mohammad	7841876829	9423262429	Reur
12	Chavan Shubhada Satyawar	9657430254	9503189918	Chavan
13	Jagdale Sonal Rajendra	9657991590	7038271319	Jagdale
14	Kumbhar Snehal Vitthal	7499541939	8380806559	Kumbhar
15	Kambale Mahesh Ramesh	7028316998	7248995889	Kambale
16	Patil Amruta Pralhad	7378622270	9766114999	Patil
17	Sawant Tejashri Tanaji	8317278505	9673859670	Sawant
18	Vishwakarma Anajli Rajesh	8177965697	9613622696	Vishwakarma
19	Vishwakarma Priteekumari Rajkumar	9834093353	9613622696	Vishwakarma
20	Shaikh Taslim Ramjan	9049040137	9158804724	Shaikh
21	Nangare Ravina Rajaram	9325171988	8308217953	Nangare
22	Awaghade Vishakha Gorakhanath	8698421838	7798072074	Awaghade
23	Sabale Shubhangi Shahaji	9518508639	9850345346	Sabale
24	Sonavale Aparna Sunil	9552075693	9552280797	Sonavale

*M. Kambale*

Head  
Department of Zoology

Yashwantrao Chavan College of Science, Karad



*[Signature]*  
Principal,  
Yashwantrao Chavan College  
of Science, Karad



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DAY:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2019-2020

CLASS: B. Sc. III Zoology

TOTAL NUMBER OF STUDENTS: 11

DATES OF STUDY TOUR: 9<sup>th</sup> January 2020

PLACES OF VISIT: Dr Babasaheb Sawant kokan krushi vidhyapith, fishery college shirgav  
Ratnagiri

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

NAMES OF THE TEACHERS ACCOMPANYING: 1) Mr. Vishnu Pawar  
2) Miss D.S Narule

DATE & TIME OF DEPARTURE FROM KARAD: 9<sup>th</sup> January 2020 6 p.m

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
9 <sup>th</sup> January 2020 11 <sup>th</sup> January 2020	1) Dr Babasaheb Sawant kokan Krishi vidhyapith, fishery college, shirgav Ratnagiri 2) Gadre Farm Prawn Culture Ratnagiri	Students gained knowledge about the habitat of fish  Student gained Students gained knowledge about the prawn culture

DATE & TIME OF ARRIVAL AT KARAD: : 11<sup>th</sup> January 2020 10 p.m



Teacher in-charge



Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.

## Study tour 2019-2020

(09-01-2020 to 11-01-2020)

- 1) Name of the Department :- Biotechnology & Zoology
- 2) Class & Subject for which Tour is arranged :- B.Sc. Part III Biotechnology & Zoology
- 3) No. of Students accompanying :- 47
- 4) Place of visits and approximate Distance of traveling :- 150 Km.  
Place :- Ratnagiri  
Total Distance :- 300 km. (approx)
- 5) Date of departure and arrival
  - a) Departure from Karad (09 Jan) :- 07.00 a.m.
  - b) Arrival at Chiplun.  
(S. P. College) (09 Jan) :- 10.30 a.m.
  - c) Visit to (S. P. College) :- 11.00 a.m. to 01.00 p.m.
  - d) Arrival at Ratnagiri (09 Jan) :- 6.00 p.m. (approx)
  - e) Arrival at Gadre Industry  
& Aquarium. (10 Jan) :- 10.00 a.m.
  - f) Arrival at Gadre Prawn  
Culture . (10 Jan) :- 10.00 a.m.
  - g) Departure from Ratnagiri (11 Jan) :- 4.30 p.m.
  - h) Arrival at Karad. (11 Jan) :- 05.00 p.m.
- 6) Mode of Journey :- Hired vehicle
- 7) Name of the Staff :- Miss S. A. Shikalgar, Mrs. A. K. Randive  
(Biotechnology)  
Mr. Vishnu Pawar, Miss D. S. Narule.  
(zoology)
- 8) Name of non-teaching staff accompanying tour :- None

(Tour in-charge)



*K. K. Kulkarni*  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad



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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref. No. / /2019-20

Date: 31/ 12/ 2019

To

The Principal,

Sharadchandraji Pawar College of Agriculture,

Kharawate-Dahiwali, Chiplun.

**Sub:** - Request for permission to visit your college.



Respected Sir

As a part of educational tour, B.Sc. III Biotechnology (24) & Zoology students [23] total 47 student from our college accompanied by four faculty members, wish to visit your reputed organization on coming 09/ 01/ 2020.

I request you to grant the permission for visit.

Thanking You.

Regards

Teacher in-charge



  
Principal

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



19/20

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



Ref. No. / /2019-20

Date: 31/ 12/ 2019

To

The Manager,

Gadre Industries Ratnagiri,

Ratnagiri. Maharashtra.

**Sub:** - Request for permission to visit your fish product industry and prawn culture farm.

Respected Sir

As a part of educational tour, B.Sc. III Biotechnology (24) & Zoology students [23] total 47 from our college accompanied by four faculty members, wish to visit your reputed organization (fish product industry and prawn culture farm) on 10/ 01/ 2020 .

I request you to grant the permission for visit.

Thanking You.

Regards



*Kalambe*  
*Kalambe*

Teacher in-charge

*[Signature]*  
Principal

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





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## UNDERTAKING

Department of Zoology

Date- 02-02-2020

### B.Sc. III. STUDY TOUR 2019-2020

We are undersigned student of B.Sc. III Zoology are attending an educational tour with our teacher's to Ratnagiri 09/01/2020 to 11/01/2020 arrival at karad to visit places of educational interest We are travelling on our own risk and we further declare that we are will follow the time schedule and obey the order's of the incharge throughout the tour .

Sr.	Name of the student	Student Mob. No.	Parent's Mob. No.	Student Sign.
1	Kushte Akash Chandrakant	7040 528084	9011 225165	Kushte
2	Phatak Monika Pandurang	7768051962	7559148182	M. Phatak
3	Maskar Pratiksha Janardan	8600773806	9890268640	Maskar
4	Patil Pooja Tanaji	9067926539	9561937675	Patil
5	More Vishal Anil	8530873489	9860356561	More
6	Mulla Raheena Sattar	9011440786	9423864481	Mulla
7	Kumbhar Pushpa Madhukar	9623556632	7040565070	Kumbhar
8	Kothawale Priyanka Sunil	9284737328	9970927875	P.S. Kothawale
9	Reur Faranaz Mohammad	7768830873	9421514852	Reur
10	Reur Fareen Mohammad	7841876829	9423262429	Reur
12	Chavan Shubhada Satyawar	9657638254	9503189918	Chavan
13	Jagdale Sonal Rajendra	9657991590	7038271319	Jagdale
14	Kumbhar Snehal Vitthal	7499541939	8380806559	K. Kumbhar
15	Kambale Mahesh Ramesh	7028316998	7248995889	Kambale
16	Patil Amruta Pralhad	7378622270	9766114999	Patil
17	Sawant Tejashri Tanaji	8319278505	9673859670	Sawant
18	Vishwakarma Anajli Rajesh	8177965697	9613622696	H.R. Vishwakarma
19	Vishwakarma Priteekumari Rajkumar	9834093353	9613622696	Vishwakarma
20	Shaikh Taslim Ramjan	9049040137	9158804724	Shaikh
21	Nangare Ravina Rajaram	9325171988	8308217953	Nangare
22	Awaghade Vishakha Gorakhanath	8698421838	7798072074	Awaghade
23	Sabale Shubhangi Shahaji	9518508639	9850345346	Sabale
24	Sonavale Aparna Sunil	9552075693	9552280795	Sonavale

*(Signature)*

Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad



*(Signature)*  
Principal,  
Yashwantrao Chavan College  
of Science, Karad





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

### DEPARTMENT OF PHYSICS

#### B.Sc.-III (2019-20)

Following students and staff are on Educational Tour during  
20/12/2019 to 21/12/2019.

Sr. No.	Roll No.	Name of the students	Blood Group
1	3001	*Bobade Mayuri Dadaso	AB <sup>+</sup>
2	3002	*Chavan Prajakta Pandurang	O <sup>+</sup>
3	3003	*Kadam Supriya Sahebarao	O <sup>+</sup>
4	3004	*Kamble Pratiksha Laxman	A <sup>+</sup>
5	3005	*Kumbhar Bhagyashri Pralhad	B <sup>+</sup>
6	3006	Naik Shamal Niranjan	B <sup>+</sup>
7	3007	*Patil Akanksha Krishnat	B <sup>+</sup>
8	3008	*Patil Amruta Vikas	A <sup>+</sup>
9	3009	*Pawar Pooja Shankar	B <sup>+</sup>
10	3010	*Shinde Dipali Dinkar	O <sup>+</sup>
11	3011	*Shinde Shubhada Dattaprasad	B <sup>+</sup>
12	3012	*Supanekar Manali Vikas	B <sup>+</sup>

#### Name of the Staff Members

1	Prof.Dr.B.P.Relekar
2	Prof. Miss A. S. Jagadale
3	Shri A.S.Chavan

Yours Faithfully

Principal,  
Yashwantrao Chavan College  
of Science, Karad

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## Study tour 2019 – 2020

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE  
KARAD  
DEPARTMENT OF PHYSICS  
DATE: 20/12/2019  
BY: BISHWANATH P. RELEKAR

- Name of the Department :-Physics
- Class & Subject for which:- B.Sc.Part III

Tour is arranged

- No. of Student accompanying :- 12
- Place of visits and approximate :- Malvan
- Distance of travelling :- 550km
- Date of departure and arrival :- 20<sup>th</sup> December,2019

- a) Departure from Karad :- 7.00 a.m
- b) Visit S.G.U Atigre. :- 9.00 a.m
- c) Visit Shivaji university Kolhapur :-11.30 a.m
- d) Lunch break :- 1.00 p.m
- e) Departure to Malvan :- 1.00 p.m
- f) Malavan :- 6.00 p.m Halt

### 21<sup>th</sup>December 2019

- h) Visit to Sindhudurga :- 10.30 a.m
- i) Departure from Sindhudurga :- 12.30 p.m
- j) Visit to Tarkarli :- 1.30 p.m
- k) Lunch break :- 2.00 p.m
- l) Departure from Tarkarli :- 4.00 p.m
- m) Arrival to Karad :- 11.00 p.m
- Mode of Journey :- Hired vehicle
- Name of staff :- Prof. Dr. B. P. Relekar  
(9423816763, 9175776264)

Miss A. S. Jagadale (9604098943)

- Name of non-teaching Staff :- Shri. Chavan A.S.



A. Jagadale  
(Tour in-charge)



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.

## DEPARTMENT OF PHYSICS

### B.Sc-III (2019-20)

We the undersigned students of B.Sc.III (Physics) travelling in the study tour (as per syllabus) on our risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in-charge throughout the tour.

Sr. No.	Roll No.	Name of the students	Students Mobile No.	Parents Mobile No.	Sign
1	3001	*Bobade Mayuri Dadaso	9834387130	9637691895	<i>mbobade</i>
2	3002	*Chavan Prajakta Pandurang	9834679362	9860014286	<i>P. Chavan</i>
3	3003	*Kadam Supriya Sahebrao	8698836380	9168381500	<i>S. Kadam</i>
4	3004	*Kamble Pratiksha Laxman	8857948059	9921108008	<i>P. Kamble</i>
5	3005	*Kumbhar Bhagyashri Pralhad	7558555487	9860294201	
6	3006	Naik Shamal Niranjana	8308123251	9180193790	<i>S. Naik</i>
7	3007	*Patil Akanksha Krishnat	9921065645	8530446498	<i>A. Patil</i>
8	3008	*Patil Amruta Vikas	7057141558	9765713213	<i>A. Patil</i>
9	3009	*Pawar Pooja Shankar	8830923826		
10	3010	*Shinde Dipali Dinkar	7498666261	9850576018	<i>D. Shinde</i>
11	3011	*Shinde Shubhada Dattaprasad	8806856706	9673873163	<i>S. Shinde</i>
12	3012	*Supanekar Manali Vikas	7020703165	9730378593	<i>M. S.</i>

### NAME OF THE STAFF MEMBERS

Sr.No.	Name	Blood Group	Mobile No.
1.	Prof.Dr.B.P.Relekar	A + ve	9423816763
2.	Prof. Miss. A. S, Jagadale	O + ve	9604098943
3.	Shri.A.S.Chavan	A + ve	7666543824



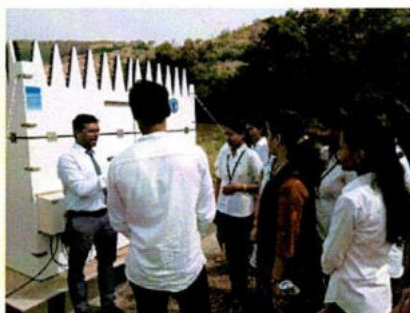


# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## Photographs of visits – Study Tour B. Sc. III Physics 2019-20



Compact Weather Station



SODAR – Dr. D. P. Nade



Group Photo

Sanjay Ghodavat University, Atigre



SNST – Aniket Yadav



FTR – Raviraja Patil



FESEM – Sahrad Patil

Shivaji University, Kolhapur



XRD -



Shivaji University, Kolhapur



Light House, Devgad



Light House, Devgad







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

Ref No / 552 / 2019 - 20

Date: 17/01/2020

To,

**The Manager,**

Athrava Pharmacy,

B.S.D.T. Trust Ayurved Mahavidyalaya,

Wagholi, Pune 412207

Subject: About permission to visit your Pharmacy.

Respected Sir,

The students of our college (B. Sc. II Botany and Pollution) shall be on Botanical Study Tour to Pune on Saturday, 25<sup>th</sup> January 2020 to visit your Pharmacy.

We will highly appreciate if you could provide the information of various activities of your Pharmacy. We request you please, to accord the permission to visit your Pharmacy and make necessary arrangements for the same.

With kind regards,

Yours faithfully,

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

O/C



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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

Ref. No. /SS1/2019-20

Date: 17/01/2020

To,

**Principal,**

B.S.D.T. Trust Ayurved Mahavidyalaya,

Wagholi, Pune 412207

Subject: About permission to visit your Institute.

Respected Sir,

The students of our college (B. Sc. II Botany and Pollution) shall be on Educational Tour to Pune on Saturday, 25<sup>th</sup> January 2020 to visit your Institute. They are likely to reach your Institute around 11.30 am.

We will highly appreciate if you could provide the information of various activities of your institute. We request you please, to accord the permission to visit your institute and make necessary arrangements for the same.

With kind regards,

Yours faithfully,

Principal,  
Yashwantrao Chavan College  
of Science, Karad



**Yashwantrao Chavan College of Science, Karad**

**Department of Pollution**

**B. Sc. II 2019-2020**

Date : 22.01.2019

Botanical study tour of B.Sc.II (Botany & Pollution) is arranged at Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune and B.S.D.T. Trust Ayurved Mahavidyalaya, Wagholi, Pune on 25<sup>th</sup> January 2020.

All concerned should note and follow.

**Study tour programme**

Date	Time	Programme
25.01.2020	6.00 a.m.	Departure from Yashwantrao Chavan College of Science campus for Vengurla
	11.00 a.m.	Arrival at Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune
	1.00 p.m.	Departure
	2.00 p.m.	Arrival at B.S.D.T. Trust Ayurved Mahavidyalaya, Wagholi, Pune.
	2.30 p.m.	Lunch
	3.00 p.m.	Visit to B.S.D.T. Trust Ayurved Mahavidyalaya, Wagholi, Pune.
	5.00 p.m.	Departure for Karad
		Arrival at Karad up to 10.00 p.m.

**Instructions to the students**

1. Identity card, Note book, Pen.
2. All students to bring one time lunch & cash required for the personal use with them.
3. Blanket
4. Required medicines.
5. No valuable things are allowed.
6. All students should obey the orders of tour in-charge.

  
Teacher Incharge

  
**Head**  
Department of Pollution  
Yashwantrao Chavan College of  
Science, Karad





**Yashwantrao Chavan College of Science, Karad**  
**Department of Pollution**  
**B.Sc. Part II**  
**Study Tour 2019-20**

extra  
 $4+3=7$   
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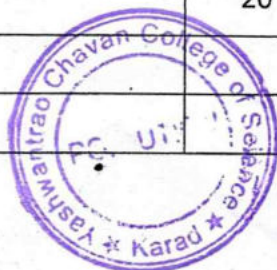
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(2)

pollution = 43 + 36 = 79 - 7 = 72

Sr. No.	Name of Students	Age	Sr. No.	Name of Students	Age
1	Gurav Ruturaj A.	20	26	Salunkhe Amit A.	20
2	Gurav Satyaajeet P.	20	27	Suryawanshi Sushant S.	20
3	Nikam Shubham D.	20	28	Suryawanshi Nikhil S.	20
4	Jagdale Rushikesh R.	20	29	Patil Akash Prakash	20
5	Mohite Nilesh B.	20	30	Patil Shubham Anandrao	20
6	Mulla Karina Jahangir	20	31	Sawant Amit Ganesh	20
7	Mohite Namarata Prakash	20	32	Pawar Swapnil Dawlat	20
8	Chavan Rasika Bhauso	20	33	Patel Shaharukh Najir	20
9	Kumbhar Omkar Sanjay	20	34	Patel Sahil Rafik	20
10	Gaikwad Vaibhav Dadasaheb	21	35	Deshmukh Onkar Madhukar	20
11	Khar Rohit Manik	20	36	Narute Pranit Balaso	20
12	Gudekar Suraj Balu	20	37	Shedage Karan Jagannath	20
13	Garud Neha Shankar	20	38	Shewale Vaishnav Vilas	20
14	Garuda Nikita Ankush	20	39	Kumbhar Harshvardhan N.	20
15	Mane Priyanka Satish	20	40*	Kashikar Bhadrashri	
16	Mane Udaysingh Dadaso	22	41	Patil Aditi Prataprao	20
17	Kambale Dhnashri Vitthal	20	42	Nadaf Jeenat Maksood	20
18	Dubal Ankita Annaso	20	43	Jadhav Rutuja Sanjay	20
19	Bandal Prerana Uddhav	20	44	Mane Divya Dhnavi	20
20	Magar Rohini Balaso	20	45	Bhise Supriya Shamrao	20
21	Desai Pooja Shivaji	20	46	Karale Akshata Ananda	20
22	Jadhav Ashwini Ramchandra	20	47	Dr. G.G. Potdar	41
23	Kumbhar Suraj M.	20	48	Miss Lavand S.S.	25
24	Shubham Shinde	20	49 E	Shapanali Suresh Jadhav	
25	Patil Akshay A.	20	50.		

48 student  
 2 staff



Head  
 Department of Pollution  
 Yashwantrao Chavan College of  
 Science, Karad



**Yashwantrao Chavan College of Science, Karad**

**Department of Pollution**

**B.Sc. Part II**

**Study Tour 2019-2020**

LAB / F -27

**B-8 Batch**

**Incharge - Botse A.D**

**Date: 13.01.2020**

**Tour fee - 500 Rs/-**

Sr. No.	R. No.	Name of Students	Personal Contact No	Parent Contact No.	Signature
1	2595	Gurav Ruturaj A.	8788194041	8975994105	<u>Gurav</u>
2	2596	Gurav Satyaajeet P.	7972578275	8806503215	<u>Gurav</u>
3	2619	Nikam. Shubham. D	9762070076	9623197797	<u>Nikam</u>
4	2600	Jagade Rushikesh R.	9595634775	9960264588	<u>Parth Botse sir</u>
5	2613	Mohite Nilesh B	9075344496	-	<u>Mohite</u>
6	2616	Mulla Karina Jhangir	7378611842	9545023231	<u>Mulla</u>
7	2612	Mohite Harmanata Prakash	9579714160	9579714160	<u>Mohite</u>
8	2583	Chavan Rasika Bhumsa	7057560638	8888499026	<u>Phume</u>
9	2604	Kumbhar omkar sanjay	7798498422	7768821514	<u>Koj</u>
10	2591	Gaikwad vaishnavdadas	8431169433	7071663636	<u>N.D. Gaikwad</u>
11	2606	Lohar Rohit Manik	8263092558	9822274698	<u>Phum</u>
12	2594	Gudkar Suraj Balu	8691801038	9049768374	<u>Suraj</u>
13	2592	Gaud Hema Shankar	7066334379	9527246687	<u>Gaud</u>
14	2593	Gaud Nikita Anil	9359893270	9764293539	<u>Gaud</u>
15	2610	Mane pramod salish	7768096679	8975700336	<u>Mane</u>
16	2611	mane udaysinh dadasa	7620853727	7620861795	<u>Mane</u>
17	2602	Kamble Dhanashree Vithal	9021328981	9923342883	<u>Kamble</u>
18	2589	Dubal Ankita Anraso	8421916134	7385528417	<u>Dubal</u>
19	2581	Bundel Prerona Uddhav	7447697900	9689979481	<u>Bundel</u>
20	2607	Magar Rohini Balasa	7558423046	9545088135	<u>Magar</u>
21	2587	Desai Pooja shivaji	7875459765	9881561796	<u>Desai</u>
22	2597	Jadhav Ashwini Ramchandra	9623481686	8308011460	<u>Jadhav</u>
23	2605	Kumbhar Suraj M.	8691839525	9960736629	<u>Kumbhar</u>
24	2638	Pawar Pratik Jitendra	9146757936	7218934792	<u>Pawar</u>
25	2584	Shubham. Adhikar. Anurag	7021240177	7499150125	<u>Shubham</u>
26	2599	Jadhav Swapnali Suresh	9112987410	9730574848	<u>Jadhav</u>
27	2635	Pawar Shubham Balasa	7709481932	9028950171	<u>Pawar</u>
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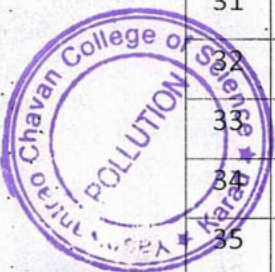
**Yashwantrao Chavan College of Science, Karad**  
**Department of Pollution**  
**B.Sc. Part II**  
**Study Tour 2019-2020**

Tour Fee :- 500/-

Date: 13.01.2020

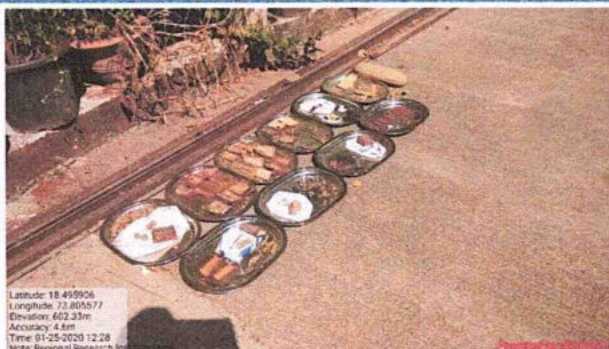
Sr. No.	R. No.	Name of Students	Personal Contact No	Parent Contact No.	Signature
1	2650	Shubhm Shinde	9503066521	9823079508	<u>Shinde</u>
2	2623	Patil Akshay A.	817784661	817784661	<u>A. Patil</u>
3	2642	Salunkhe Amit A.	9960418016	9552234452	<u>A. Salunkhe</u>
4	2654	Surjyawanishi Subant S.	7620325186	9373168199	<u>Subant</u>
5	2652	Surjyawanishi Nikhil	9309957540	9604574886	<u>Nikhil</u>
6	2622	Patil Akash Prakash	9421035372	9011073231	<u>Patil</u>
7	2663	Patil Shubham Anandrao	8830318995	9922379971	<u>Shubham</u>
8	2646	Sawant Amit Ganesh	8308446371	9623822329	<u>Amit</u>
9	2658	Pawar Swapnil Pawlat	9387789875	9096185642	<u>Swapnil</u>
10	2621	Patel Shaharukh Najid	7083108308	7709904423	<u>Patel</u>
11	2620	Patel Sahil Rafik	9975678428	7499702873	<u>Sahil</u>
12	2588	Deshmane Onkarmadhukar	9096690528	9623447857	<u>Onkar</u>
13	B-9	Narsute Pranit Balaso	8600760101	9096148197	<u>Pranit</u>
14	B.9	Shedage Karan Jagannath	7798943091	8888042030	<u>Karan</u>
15	2648	Shewale Vaishnav Vilas	9529191249	9657515417	<u>Vaishnav</u>
16	2653	Kumbhar Hrishvardhan N.	9284048629	8915770534	<u>Hrishvardhan</u>
17	2651	Tawar Tejasvi Ashok	9886008841	9561572643	<u>Tejasvi</u>
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22-1-2020





# Study Tour of B. Sc. Pollution Students - Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune & B.S.D.T. Trust Ayurveda Mahavidyalaya, Wagholi, Pune.





**Study Tour of B. Sc. Pollution Students - Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune & B.S.D.T. Trust Ayurveda Mahavidyalaya, Wagholi, Pune.**





**Yashwantrao Chavan College of Science, Karad**

**Department of Pollution**

**REPORT**

<b>Name of the activity</b>	Study Tour of B. Sc. II Pollution Students
<b>Day &amp; Date</b>	Saturday, 25/01/2020
<b>Place of visit</b>	Regional Ayurveda Institute for Fundamental Research, Kotharud, Pune and B.S.D.T. Trust Ayurveda Mahavidyalaya, Wagholi, Pune.
<b>Purpose of the Program</b>	To provide students with hands-on, real-world experiences which complement theoretical knowledge gained in the classroom and understand practical applications of their studies.
<b>No. of Students Participated</b>	72
<b>No. of Teachers Participated</b>	04
<b>Visit outcomes</b>	The students gained valuable insights about the subject matter through the interactions with subject experts of the institutes.



**Teacher In-charge**

**Head**

**Department of Pollution**

**Head**

**Department of Pollution**

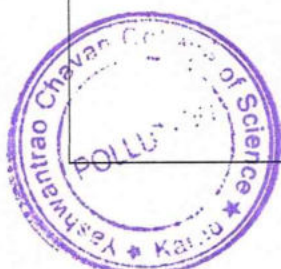
Yashwantrao Chavan College of  
Science, Karad



**Principal**

**Principal,**

Yashwantrao Chavan College  
of Science, Karad.





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Department of Pollution**

DATE: 30.08.2019	REF. NO.: YCCSK/LAB/F-
PAGE 01 OF 01.	REV. NO.: 00

**STUDY TOUR PROGRAMME**

Year 2019-2020

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS: 06

DATES OF STUDY TOUR : 30.01.2020 & 31.01.2020

PLACES OF VISIT : Dr. Balasaheb Sawant kokan Krishi Vidyapeeth, Dapoli

MODE OF JOURNEY : Hired Vehicle

NAMES OF THE TEACHERS ACCOMPANYING : Prof. P. A. Patil

DATE & TIME OF DEPARTURE FROM KARAD : 30.01.2020 at 7.00 a.m.

DATES & PLACES OF VISIT : 30.01.2020 & 31.01.2020, Dapoli

Sr.No. Time Programme

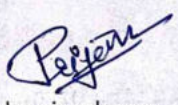
Date: 30.01.2020

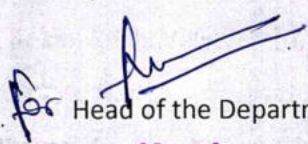
1. 7.30 a.m. Departure from Karad to Dapoli
2. 11.30 a.m. Vakoli Vegetable Research Station, Dr. B. S. Kokan Krishi Vidyapeeth, Dapoli
3. 1.00 p.m. to 2.00 p.m. Lunch Break
4. 2.30 p.m. to 4.00 p.m. Lakhi bag, Dr. B. S. Kokan Krishi Vidyapeeth, Dapoli
5. 4.00p.m. to 6.00 p.m. Visit to plantation around Dapoli
6. 6.30p.m. Halt at Shetakari Bhavan, Dr. B. S. Kokan Krishi Vidyapeeth, Dapoli

Date: 31.01.2020

7. 9.00 a.m. to 12.30 p.m. Visit to Charak Medicinal Garden & Nakshtra Van
8. 1.00 p.m. to 2.00 p.m. Lunch Break
9. 2.00 p.m. to 4.30 p.m. Amba Bag, Rubber Plantation, Solar Unit, Rain water Harvesting System, Compost Units etc.
10. 4.30 p.m. Departure to Karad

DATE & TIME OF ARIVAL AT KARAD: 31.01.2020 at 11.00 p.m.

  
Teacher in-charge

  
Head of the Department

**Head**  
**Department of Pollution**  
**Yashwantrao Chavan College of**  
**Science, Karad**





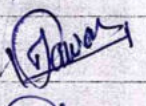
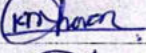
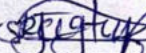

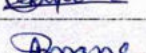
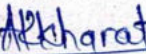
## Yashwantrao Chavan College of Science, Karad

## Department of Botany/Pollution

## B.Sc. Part III

Study Tour 2019-20

Date: 30.01.2020

Sr. No.	Roll No.	Name of Students	Personel Contact No.	Fee Paid	Signature
1.		Pawar Nikhil vishwas			
2	3241	chavani komal Mahadev	7219382359		
3	3243	Jagtap Shreya Rajendra	9146754688	30	
4	3248	Pawar Tushar chaitanya	8484800018		
5	3245	Mane Aniket Ramesh	8379091206		
6		Jadhav Ekamta Eknath			
7	3251	Kharat Anuj. R	8600688733		
8		Sankpal Swarnupa. P.			
9		Patil chetana uttam			
10					
11					
12					
13					
14					
15					




**Yashwantrao Chavan College of Science, Karad**

**Department of Pollution**


**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Pollution Students
<b>Day &amp; Date</b>	Thursday & Friday 30/01/2020 & 31/01/2020
<b>Place of visit</b>	Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli
<b>Purpose of the Program</b>	1. To provide basic knowledge in Agriculture and modern trends in Agriculture. 2. To motivate students to inculcate modern science with Agriculture.
<b>No. of Students Participated</b>	09
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students learnt modern trends and research in Agriculture from expertise in the University. They also interacted with skilled worker in campus. Watershed management was something new which students learnt.

  
**Teacher In-charge**



  
**Head**  
**Department of Pollution**  
**Head**  
**Department of Pollution**  
Yashwantrao Chavan College of  
Science, Karad

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



**Study Tour of B. Sc. Pollution Students –  
Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli**




**Yashwantrao Chavan College of Science, Karad**


**Department of Pollution**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Pollution Students
<b>Day &amp; Date</b>	Monday, 13/01/2020
<b>Place of visit</b>	Sadawhaghapur- Patan
<b>Purpose of the Program</b>	To understand floral diversity of that particular region including cryptogams and Phanerogams.
<b>No. of Students Participated</b>	43
<b>No. of Teachers Participated</b>	03
<b>Visit outcomes</b>	Students learnt something new apart from class room teaching. In addition to this, they learned how to write field notes during data collection.

  
**Teacher In-charge**

  
**Head**  
**Department of Pollution**  
**Head**  
**Department of Pollution**  
Yashwantrao Chavan College of  
Science, Karad

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





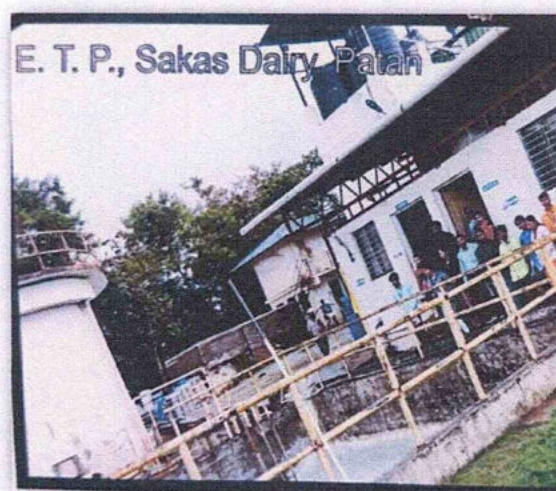
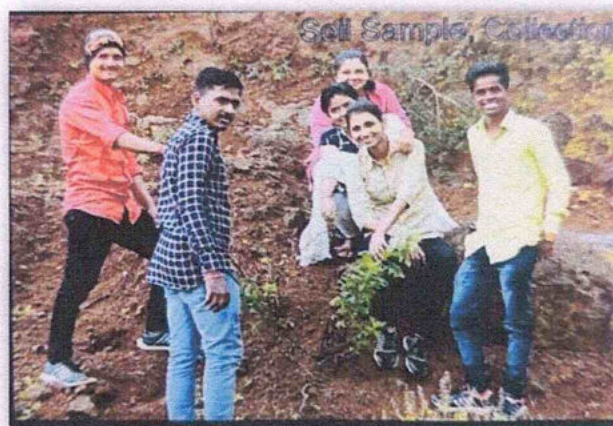
**Yashwantrao Chavan College of Science, Karad**  
**Department of Pollution**  
**B.Sc. Part II**  
**Study Tour 2019-20**

Sr. No.	Name of Students	Sign	Sr. No.	Name of Students	Sign
1	Gurav Ruturaj A.		26	Sainkhe Amit A.	
2	Gurav Satyajee P.		27	Suryawanshi Sushant S.	
3	Nikam Shubham D.		28	Suryawanshi Nikhil S.	
4	Jagdale Rushikesh R.		29	Patil Akash Prakash	
5	Mohite Nilesh B.		30	Patil Shubham Anandrao	
6	Mulla Karina Jahangir		31	Sawant Amit Ganesh	
7	Mohite Namarata Prakash		32	Pawar Swapnil Dawlat	
8	Chavan Rasika Bhauso		33	Patel Shaharukh Najir	
9	Kumbhar Omkar Sanjay		34	Patel Sahil Rafik	
10	Gaikwad Vaibhav Dadasaheb		35	Deshmukh Onkar Madhukar	
11	Lohar Rohit Manik		36	Nairute Pranit Balaso	
12	Gudekar Suraj Balu		37	Shedage Karan Jagannath	
13	Garud Neha Shankar		38	Shewale Vaishnav Vilas	
14	Garuda Nikita Ankush		39	Kumbhar Harshvardhan N.	
15	Mane Priyanka Satish		40 *	Kotulke Dhandashree Anand	
16	Mane Udaysingh Dadaso		41	Patil Aditi Prataprao	
17	Kambale Dhnashri Vitthal		42	Nadaf Jeenat Maksood	
18	Dubal Ankita Annaso		43	Jadhav Rutuja Sanjay	
19	Bandal Prerana Uddhav		44	Mane Divya Dhnaji	
20	Magar Rohini Balaso		45	Bhise Supriya Shamrao	
21	Desai Pooja Shivaji		46	Karale Akshata Ananda	
22	Jadhav Ashwini Ramchandra		47		
23	Kumbhar Suraj M.		48		
24	Shubham Shinde		49		
25	Patil Akshay A.				





**Study Tour of B. Sc. Pollution Students –  
Walmiki & Patan**





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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref No:-

Date

To,

Mr. Avadhut Deshmukh

A3DXYZ Devices & System, Karad.

Subject : Thanking letter

Respected Sir,

Our B.Sc.II or B.Sc.III (Electronics) Students visited to A3DXYZ Devices and System.

They Observed and learnt know hows of printer. Also they learnt functioning of printer.

We are thankful to you for this co operation.

Thanking You,

Yours faithfully,

Principal

Yashwantrao Chavan College of Science, Karad

Estd. 1958



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

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

Ref No:-

Date

To,

Mr.Avadhut Deshmukh

A3DXYZ Devices & System ,Karad.

Subject :- About visiting company .

Respected Sir,

We have industrial visit as a part of Syllabus .

Hence we wish to visit A3DXYZ company on 28/07/2021 , Thursday.

Please allow us to visit the Company .

The No. of Student visiting will be 30, Three Teachers will escort them.

Thanking You,

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



# YASHWANTRAO CHAVAN COLLEGE OF SCIENC,KARAD

## DEPARTMENT OF ELECTRONICS

### CERTIFICATE

#### *INDUSTRIAL VISIT 2020-21*

This is to certify that ~~Mr./~~Miss **ARYA CHANDRASHEKHAR CHITNIS** of BSc III class participated in the Industrial Visit organized by Department of Electronics to visit A3DXYZ Devices and Systems,Karad

~~He/~~She has submitted ~~his/~~her Industrial Visit Report on 29<sup>th</sup> July 2021

  
TOUR IN-CHARGE

  
EXAMINER

  
HOD

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



# ONLINE INDUSTRIAL VISIT TO A3D XYZ SYSTEMS AND DEVICES, KARAD

REPORTED BY: Chitnis Arya Chandrashekhar

PLACE : Gajanan Housing Society

DATE : 29/07/2021

TIME : 12.00pm to 1.00pm

## INTRODUCTION:

Online Industrial visit was made to 3D Printers project created by **Mr.Avadhut Deshmukh**. He had started this startup only a few years ago and has received Best MSME 2021 Award for this project. Mr. Avadhut's industry is situated in Gajanan Housing Society, Karad.

This visit was made so that the students could understand the concept of 3D Printers and realize the great career opportunities it can offer.



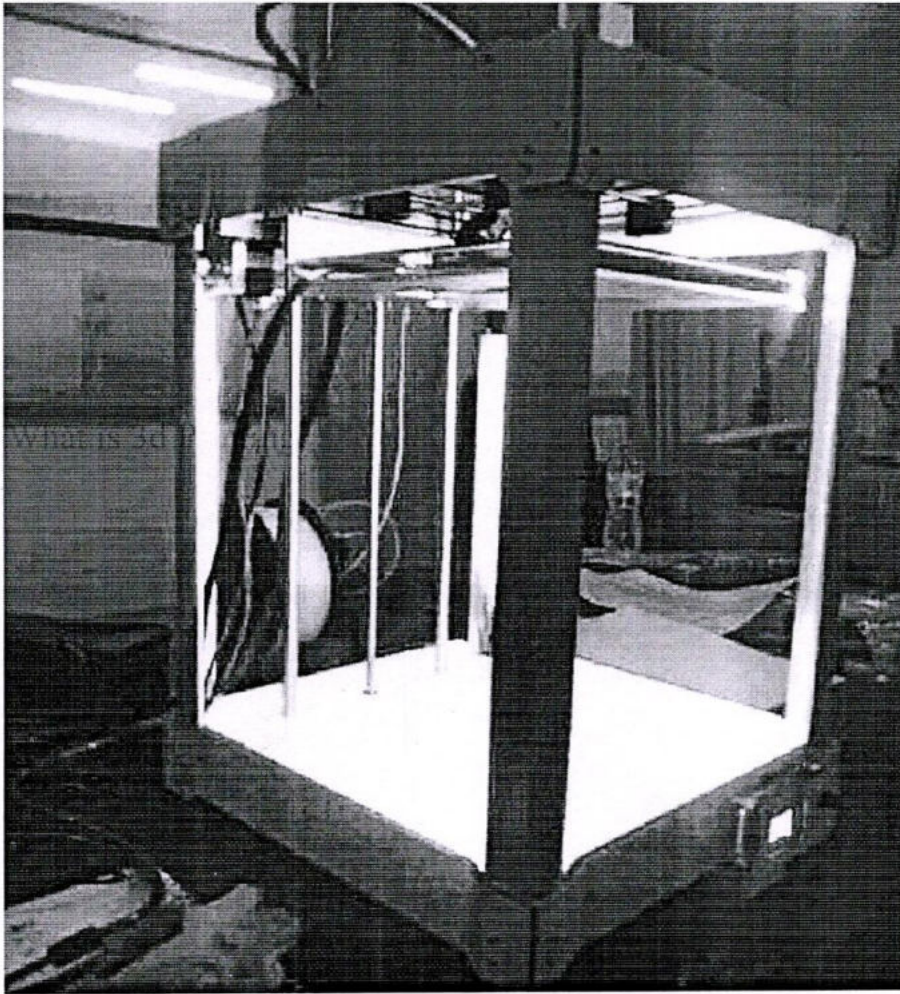


This visit was possible due to the initiative of **Asif Mulla Sir**. Students were introduced to the project by **Mr. Rajendra Deshmukh** and his son **Mr. Avadhut Deshmukh**. Later Mr. Rajendra Deshmukh gave the detailed information about the project. Many students had participated in this visit.



## CONTENT :

### What is 3d Printing



3D Printing is a process for making a physical object from a three dimensional digital model, typically by laying down many successive thin layers of a metal or materials. It brings a digital model, typically by laying down many successive thin layer of a digital object(its CAD





representation into its physical form by adding materials layer by layer).

3D Printing is also called Additive manufacturing .

## A3DXYZ - 3D PRINTERS and 3DPRINTING SYSTEMS

3D Printing or rapid prototyping is an additive manufacturing process to create a physical object from a digital 3D design.

## WHAT IS 3D PRINTING HARDWARE ?

3D Printing hardware or additive manufacturing is a process of making three dimensional solid objects from a digital file. The creation of 3D printed object is achieved using additive process. 3D Printing enables you to produce complex shapes using less material than traditional manufacturing methods.

## FILAMENTS FOR 3D PRINTING

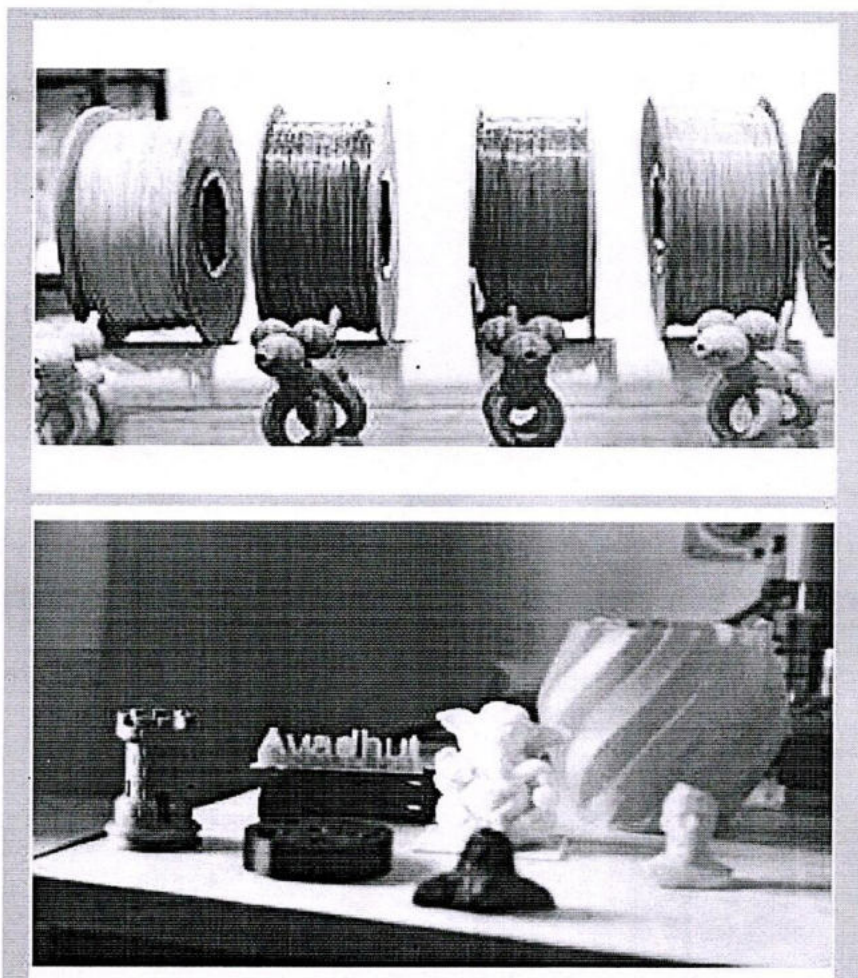
### POLYLACTIC ACID FILAMENT

In the realm of consumer 3D Printing, Polylactic Acid (PLA) is King. Although it is often compared to ABS, arguably the next in line to the throne – PLA is easily the most popular 3D Printer filament type and for good reasons.

3D Printing filament is the thermoplastic feedstock for deposition modelling 3D Printer. There are many types available with different properties, requiring is commonly available in two standard diameters of **1.15mm** and **2.85mm**. 2.85mm is sometimes referred to as **3mm** but should not be confused with the less common filament size that actually measures 3mm in diameters.

Filament size should not be confused with the nozzle size and several different combinations of nozzle and filament size may be used. One of the most common nozzle size **0.4mm**.







## TYPE OF 3D printing

### FUSED DEPOSITION MODELLING {FDM}

FDM works using a plastic filament which is unwound from a spool and is supplied to an extrusion nozzle which can turn the flow on and off. The nozzle is heated to melt the material and can be moved in both horizontal and vertical directions by numerically controlled mechanism. The object is produced by extruding melted material to form layer as the material hardens immediately after extrusion from the nozzle.

### Application

- Consumer Products (Eyewear, Footwear design, Furniture)
- Industrial Products ( Manufacturing tools, Prototypes, Functional end-use parts)
- Dental Products
- Architecture scale models and maquettes.



## CONCLUSION/ FEEDBACK :

At the end of the visit Mr. Rajendra Deshmukh encouraged the students to learn about this project and also offered interships to the students who wanted to learn about this project. This kind initiative of him not only inspired the students to learn more about this field but also made this visit a huge success.







Estd. 1958

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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

☎ 02164 - 271356, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No./25 /2021-22

Date: 09/05/2022

To

The In-charge,

National Centre for Microbial Resource,

PUNE

**Sub:** - Request for permission to visit your prestigious research Institute...

Respected Sir

As a part of educational tour, B.Sc.III Biotechnology students [15] from our college accompanied by three faculty members, wish to visit your reputed organization on 19<sup>th</sup> May 2022.

I request you to grant the permission for visit.

Thanking You.

Regards

Principal

Yashwantrao Chavan College  
of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**Department of Biotechnology**

**B.Sc.III (Study Tour)**

Date: 17.05.2022

The Students of B.Sc.III (Biotechnology) are here by inform that three day's study tour is arranged to NCCS Pune on 19<sup>th</sup> May 2022.

All should come with Identity card ,note book and pen .Study tour is compulsory as per university syllabus.

All Concerned should note and follow.



*Ashitaagar*  
Course Co-ordinator,

Department of Biotechnology

**Course Co-ordinator**  
Department of Biotechnology



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.

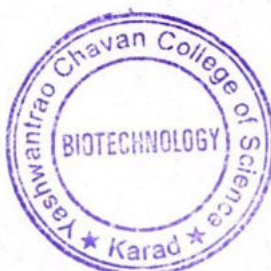
## Study tour 2021-2022

(19-05-2022 One day)

- 1) **Name of the Department** :- Biotechnology & Zoology
- 2) **Class & Subject for which Tour is arranged** :- B.Sc. Part III Biotechnology & Zoology
- 3) **No. of Students accompanying** :- 15
- 4) **Place of visits and approximate Distance of traveling** :- 180 Km.  
**Place** :- NCCS, Pune  
**Total Distance** :- 360 km. (approx)
- 5) **Date of departure and arrival**
  - a) Departure from Karad (19 May) :- 06.30 a.m.
  - b) Arrival at Pune (NCCS) (19 May) :- 11.00 a.m.
  - c) Visit to (NCCS Pune) :- 11.00 a.m. to 02.00 p.m.
  - d) Visit to (Rajeev Gandhi National Park) :- 03.00 p.m. to 05.00 p.m.
  - f) Departure from Pune (19 May) :- 5.30 p.m.
  - g) Arrival at Karad. (19 May) :- 10.00 p.m. (Approx)
- 6) **Mode of Journey** :- Hired vehicle
- 7) **Name of the Staff** :- Miss S. A. Shikalgar,  
(Biotechnology)  
Mrs. Amruta Padule,  
(zoology)
- 8) **Name of non-teaching staff accompanying tour** :-

*S. A. Shikalgar*  
(Tour in-charge)  
Biotech

*Amruta Padule*  
(Tour in-charge)  
Zoology



# Yashwantrao Chavan College of Science, Karad

## Department Of Biotechnology

### STUDY TOUR PROGRAMME

LAB/F-17

Year 2021-2022

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS:11

DATES OF STUDY TOUR: 19 /05/2022

PLACES OF VISIT: 1) National Centre for Cell Science (NCCS), Pune

2) Rajiv Gandhi Zoological Park, Pune

MODE OF JOURNEY: Private Traveller Bus.

NAMES OF THE TEACHERS ACCOMPANYING: Miss. Shikalgar S.H.

Mrs. Padule A. R.


DATES & TIME OF DEPARTURE FROM KARAD: 19 /05/2022 Time:- 07:00 am


DATES & PLACES OF VISIT:

1) 19/05/2022 National Centre for Cell Science (NCCS), Pune

2) 19/05/2022 Rajiv Gandhi Zoological Park, Pune

DATES & TIME OF ARRIVAL AT KARAD:-19/05/2022 Time:- 10:30pm

  
Teacher in- Charge

  
Head  
Dept of Biotechnology

  
Chairman  
Tour Committee







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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

### Department of Biotechnology B.Sc. III Study tour 2021-22

### UNDERTAKING

Date: - 19/05/2022

We the undersigned students of B.Sc. III (Biotechnology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	3711	Kadam Bhagyashri Bharat	8329152720	9922299540	<i>[Signature]</i>
2	3712	Pawar Vaishnavi Vishwanath	8624811349	9766495922	<i>[Signature]</i>
3	3713	Pisal Aishwarya Adhikrao	9325682158	9881984210	<i>[Signature]</i>
4	3714	Shelke Gayatri Dadasaheb	8010737100	9969469457	<i>[Signature]</i>
5	3715	Tirmare Vaishnavi Jeevankumar	9422493446	7887722177	<i>[Signature]</i>
6	3716	Torane Akanksha Ramaji	7249021216	8623936699	<i>[Signature]</i>
7	3717	Yadav Shradha Subhash	7798372495	9730326977	<i>[Signature]</i>
8	3718	Hatte Sayali Dashrath	8010035663	8888063361	<i>[Signature]</i>
9	3719	Gaikwad Lata Mangesh	9307752766	9657798447	<i>[Signature]</i>
10	3720	Hake Abhijit Manik	7420064609	7499973034	<i>[Signature]</i>
11	3721	Chothe Sushen Sanjay	9970173034	9960930945	<i>[Signature]</i>

*[Signature]*  
Teacher In-charge

*[Signature]*  
Principal

# Yashwantrao Chavan College of Science, Karad

## Department Of Biotechnology

### STUDY TOUR REPORT

Year:- 2021-2022

LAB/F-  
18

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS: 11

DATES OF STUDY TOUR:19/05/2022

PLACES OF VISIT:1) National Centre for Cell Science (NCCS), Pune

2) Rajiv Gandhi Zoological Park, Pune

MODE OF JOURNEY:Private Traveller Bus.

NAMES OF THE TEACHERS ACCOMPANYING:Miss. Shikalgar S.H.

Mrs. Padule A. R.

DATES & TIME OF DEPARTURE FROM KARAD:19/05/2022 Time:- 07:00 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
19/05/2022	National Centre for Cell Science (NCCS), Pune.	High quality research in cell biology and training
19/05/2022	Rajiv Gandhi Zoological Park, Pune.	The zoo has collections of reptiles, white tiger, male Bengal tiger, and birds.

DATE & TIME OF ARRIVAL AT KARAD:19/05/2022 Time:- 10:30pm

*Shikalgar*  
Teacher in-charge

*Shikalgar*  
Head  
Department of Biotechnology

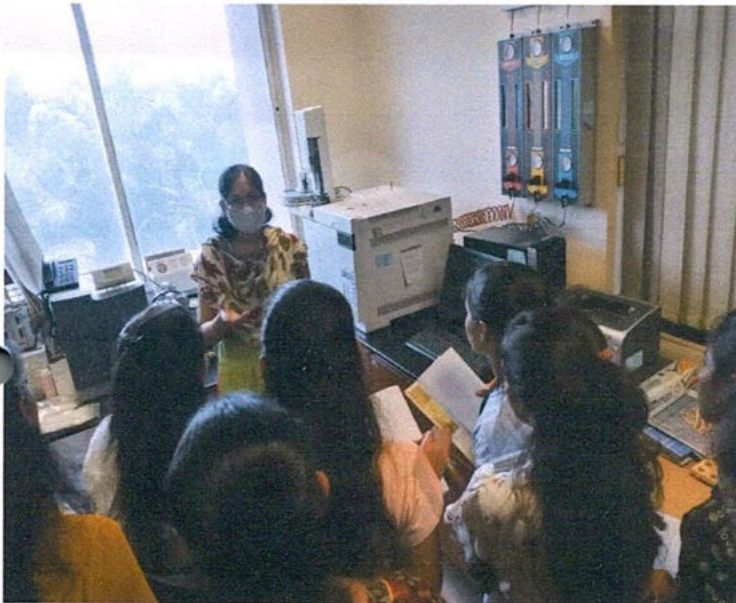




**Yashwantrao Chavan College of Science, Karad.**  
**Department of Biotechnology**  
**B.Sc. III Study tour 2021-22**  
**Students and Staff List**  
**Study tour to NCCS Pune**

Sr. No.	Roll No.	Name of the student
1	3711	KADAM BHAGYASHRI BHARAT
2	3712	PAWAR VAISHNAVI VISHWANATH
3	3713	PISAL AISHWARYA ADHIKRAO
4	3714	SHELKE GAYATRI DADASAHEB
5	3715	TIRMARE VAISHNAVI JEEVANKUMAR
6	3716	TORANE AKANKSHA RAMAJI
7	3717	YADAV SHRADHA SUBHASH
8	3718	HATTE SAYALI DASHRATH
9	3719	GAIKWAD LATA MANGESH
10	3720	HAKE ABHIJIT MANIK
11	3721	CHOTHE SUSHEN SANJAY
12		Miss S.A. Shikalgar [Staff]
13		[Staff]





study tour - B.Sc.III - National centre for cell science (NCCS) pune!







<b>NCMR</b> <b>National Centre for Microbial Resource</b>			
←	FAME Analysis	फेम विश्लेषण	201
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**National Centre for Cell Science**  
*Celebrating 25 Successful Years!!*

**Microbial Characterization Using MALDI-TOF MS**  
 Microbial Culture Collection, National Centre for Cell Science, Ganeshkhind, University of Pune Campus, Pune-411007

**Matrix-Assisted Laser Desorption/Ionization Time-Of-Flight Mass-Spectrometry**  
 An emerging tool for high-throughput and rapid microbial typing  
 Registering existing identification systems  
 Due to its relatively higher accuracy and low cost  
 Key technique in both special and routine microbial identification projects  
 Database and sophisticated data analysis algorithms added ease and flexibility to this technology

**Principle and Instrumentation of MALDI-TOF MS**  
 Mass Spectrometry  
 What are used to characterize and identify microorganisms?  
 Provide sound evidence of identification of microorganisms and used in accurate performance  
 The major limitation only small molecules analyzed (1000 Da)  
 Microorganisms such as proteins could not be subjected to mass spectral analysis  
 The application of "soft ionization" techniques enable the analysis of large biomolecules in early 1980s.

**Accuracy and Resolution of MALDI-TOF MS**  
 Highly accurate method for routine bacterial identification  
 Variations caused by culture growth conditions such as medium and pH almost negligible  
 Higher reproducible results in inter-laboratory comparisons  
 Correlated well to 16S rDNA gene sequencing  
 Accurate than various phenotypic and biochemical tests

**Colonies of unknown microorganism**  
**MALDI target plate**

**MALDI-TOF MS Spectra for Different Microbes**  
**Characterization of Diverse Bacteria**

**De-identification of Microbes**  
**Specific Fingerprint of Bacteria**

**MALDI - TOF - MS facility at MCC**  
 MCC acknowledges the Financial Support of Department of Biotechnology, Ministry of Science and Technology, Government of India

**TRIP 2021-22**



**Yashwantrao Chavan College of Science, Karad**  
**Department Of Mathematics**  
**List of Students**  
**Tour (2021-22)**

Roll No.	Name of the Student
3021	Gaikwad Neha Shivaji
3022	Gaikwad Sanket Dattatraya
3023	Kadam Kajal Hanmant
3024	Mohite Rutuja Shashikant
3025	Katre Gauri Chandrakant



*Sur* **HEAD**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad



**YASHWANTRAO CHAVAN COLLEGE  
OF SCIENCE, KARAD.**

**Department of Mathematics**

**B.Sc.-III**

**(2021-22)**

**" A TOUR REPORT"**

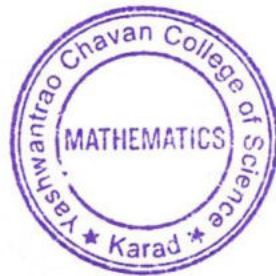
Submitted by

NAME- Gaikwad Neha Shivaji

ROLL NO.- 3021

EXAM SEAT NO.-

  
Examiner



  
for Head  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad  
**Department of Mathematics**

## -----REPORT-----

It's my great pleasure that I got a chance for study tour arranged by the department Mathematics to Gogate-Jogalekar College, Ratnagiri, Malvan on 3 and 4 January 2022.

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**YASHWANTRAO CHAVAN COLLEGE  
OF SCIENCE, KARAD.**

**Department of Mathematics**

**B.Sc.-III**

**(2021-22)**

**" A TOUR REPORT"**

Submitted by

NAME- Gaikwad Sanket Dattatraya

ROLL NO.- 3022

EXAM SEAT NO.-



  
Examiner

  
Head

Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad  
**Department of Mathematics**

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# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department of Mathematics**

**B.Sc.-III**

**(2021-22)**

## **" A TOUR REPORT"**

Submitted by

NAME- Kadam Kajal Hanmant

ROLL NO.- 3023.

EXAM SEAT NO.-



*Kajal*  
**Examiner**

*Hanmant*  
**Head**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad  
**Department of Mathematics**

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**YASHWANTRAO CHAVAN COLLEGE  
OF SCIENCE, KARAD.**

**Department of Mathematics**

**B.Sc.-III**

**(2021-22)**

**" A TOUR REPORT"**

Submitted by


**NAME-** Mohite Rutuja Shashikant

**ROLL NO.-** 3024

**EXAM SEAT NO.-**



  
**Examiner**

  
**for Head**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
**Department of Mathematics**

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**YASHWANTRAO CHAVAN COLLEGE  
OF SCIENCE, KARAD.**

**Department of Mathematics**

**B.Sc.-III**

**(2021-22)**

**" A TOUR REPORT"**

Submitted by


**NAME-** Katre Gauri Chandrakant

**ROLL NO.-** 3025

**EXAM SEAT NO.-**



  
**Examiner**

  
**Head**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
**Department of Mathematics**

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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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Date: 13 /05/2022

To,  
The Principal,  
Yashwantrao Chavan College of Science, Karad.  
Karad.

**Subject:** Permission for B.Sc. III students to go on a study tour to Chunakolvan, Rajapur, Kankavali, Ramgad and Varavade.

Respected Sir,

I am writing to request your permission to organize study tour to Chunakolvan, Rajapur, Kankavali, Ramgad and Varavade for B.Sc. III geology students of our college. As you are aware, study tours are part of syllabus and essential part of a students learning experience. We are organizing this study tour to provide a wonderful opportunity to obtain practical understanding about numerous aspects of rock science, structural geology and Indian geology. We plan to take about 10 students of B.Sc. III geology along with three faculty members on 20<sup>th</sup> May 2022. Please allow for the same.

This visit will be conducted under guidance of following faculty members-

1. Dr. R.V. Desai (Study tour Incharge)
2. Mr. A.A. Lole
3. Ms. A. A. Shah

Thanking You,

Principal  
Yashwantrao Chavan College of Science  
Karad



Yours Faithfully

Head  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.



Estd. 1958

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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

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

UDISE Code - 27310207715

Index No. J 21.02.002

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

Date- 18.05.2022

To,

Whomsoever it may Concern

Respected Sir,

09 students (03 Boys and 06 Girls) of B.Sc. –III Geology of our college are on their Geological study tour to Rajapur, Chunakolvan, Kanakavali, Ramgadand Varavade on 20<sup>th</sup> May 2022.

They are accompanied by three staff members.

Please kindly co-operate them wherever necessary.

(Student and Staff List is enclosed herewith).

Thanking you

Sr.No.	Name of the Students	Phone No
1.	Jadhav Aaditya Arjun	8468952392
2.	Kadam Shweta Dadaso	7757835904
3.	Khade Amruta Arjun	8956788975
4.	Pawar Priyanka Niwas	8379896454
5.	Raut Prashant Rajendra	9175032535
6.	Suryawanshi Rupali Chandrakant	8275644086
7.	VelapureKedar Chandrakant	7666856528
8.	Waghmare Siddeshwari Jagannath	8378879894
9.	Garud Prajakta Uttam	7875450315
<b>Staff Memebhrs</b>		
1.	Dr. Rajesh Vilasrao Desai	8275413445
2.	Prof. Ajitkumar Ananda Lole	8412972762
3.	Prof. Miss. Ariha Atul Shah	7040530009



Your Faithfully

Principal,

Yashwantrao Chavan College  
of Science, Karad



# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

DATE: 01.07.2015	REF. NO.: YCCSK/LAB/F – 15
PAGE	REV. NO.: 00

## **STUDY TOUR PROGRAMME**

**Year 2021 - 2022**

**Class: B.Sc. III**

**Total Number of Students: 10**

**Dates of Study Tour: 20/05/2022**

**Places of Visit: Rajapur, Chunakolvan, Kanakavali, Ramgad and Varavade**

**Mode of Journey: Travels**

**Names of The Teachers Accompanying: Dr. R. V. Desai**

Shri. A. A. Lole


Miss Ariha Atul Shaha

**Date & Time of Departure From Karad: 20/05/2022; 05:00 am**

**Dates & Places of Visit: Date – 20/05/2022**

1. Rajapur,
2. Chunakolvan,
3. Kanakavali,
4. Ramgad
5. Varavade

**Date & Time of Arrival at Karad: 20/05/2022; 10:00 pm**

  
**Teacher in-charge**

  
**Head of the Department**  
**Department of Geology**  
**Yashwantrao Chavan College of Science,**  
**Karad.**



# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

DATE: 01.07.2015	REF. NO.: YCCSK/LAB/F – 15
PAGE 1 OF 1	REV. NO.: 00

## **STUDY TOUR REPORT**

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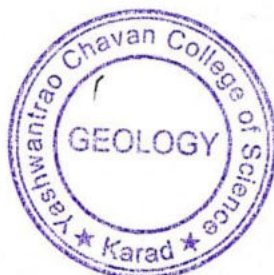
**Date & Time of Departure From Karad:** 20/05/2022; 06:30 am

**Dates & Places of Visit:**

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
20/05/2022	Rajapur, Chunakolvan, Kanakavali, Ramgad and Varavade	Lava flows, Laterites, Hot springs, Granite gneiss, HBL Schist, Pegmatite intrusion, autoclastic conglomerates were studied on the trip. Outcrop of Eparchean unconformity also visited.

**Date & Time of Arrival at Karad:** 20/05/2022; 10:00 pm

  
**Teacher in-charge**



  
**Head of the Department**  
**Department of Geology**  
**Yashwantrao Chavan College of Science,**  
**Karad**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF GEOLOGY**

STUDY TOUR REPORT

B.Sc. III

**MAY 23, 2022**

NAME OF STUDENT: *Velapuskar Kedar Chandrakant*

Name and Sign of Tour Incharge:

*[Signature]*  
25-05-2022



*[Signature]*  
Head of Department:  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad

## **Introduction**

This year we had been to Kankavali for our geological field study. During this we have visited number of places of Geological interest.

We carried out field work at and around Rajapur (district Ratnagiri) and Kankavali of Sindhudurg district of Maharashtra. The region consist of number of hills & valleys The Gad river flows near Kankavali & join Arabian Sea towards Sea towards west. The general stratigraphy of Kankavali is given below.

**Recent Soil**

---

**Lateritic Soil**

---

**Deccan Trap**

---

**Kaladagi Supergroup**

---

**Dharwar Supergroup**

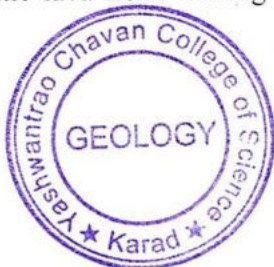
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**Peninsular Gneissic Complex**

## **Field Work At Amba Ghat:**

The younger laterite is occurring on the top of most of hills. It is typical residual rock of sedimentary origin. It is derived from basaltic lava flows on account of differential chemical weathering of basalt under tropical climates i.e. high rainfall, high temperature and high humidity in this region. It is nothing but the residue left after chemical weathering it is reddish iron rich pores rock. It is used in Konkan area for preparation of bricks for building purpose. It is pores & permeable rock.

In the Amba ghat section different lava flows of basalt of Cretaceous to Paleocene age are exposed. Two lava flows are separated by red clayey layer which is called as 'Red Bole'. It is said to be formed by baking of sediments formed due to weathering of older basaltic lava flow. Baking effect because of upcoming younger





lava imparts red colour to sediments (**Plate 1**). Basalt is gray in colour, hard and compact with fractures. Joints are interconnected with each other which are helpful for groundwater movement and also increase secondary porosity of the rock. Spheroidal weathering is also observed at many places in ghat section.

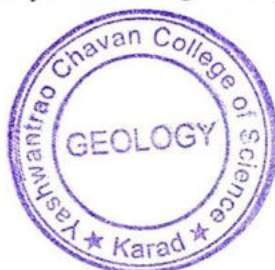
#### **Field Work At Chunakolvan:**

Metamorphic rock slate (**Plate 2**) is best exposed in the stream cutting near Chunakolvan of Ratnagiri district. Slate of Chunakolvan are of Proterozoic in age and equivalent to or its an extension of Kaladgis of Karnataka. Slates are formed by cataclastic metamorphism of argillaceous rock like shale. Strike direction of slate bed is E-W with 30 deg. dip towards south.

#### **Unhale Hot Spring:**

One interesting feature of Konkan coastal belt is the presence of hot water springs arranged in a fairly narrow linear belt from north of Mumbai to Ratnagiri area in the south. They occur somewhat midway between the Western Ghat Escarpment and the coast. Few names from north to south- Vajreshwari, Akoli kund, Ganeshpuri, Pali, Dasgaon, Unhere, Tural, Aaravali, Rajapur. During our field visit we came across one of these hot spring known as Unhale (Rajapur) hot spring. Unhale hot water spring is located in the Unhale village near Rajapur city. This hot water spring is on the floodplain of Kondavi river.

Water temperatures are between 50 deg C to 75 deg C. Interestingly, analysis shows significant levels of radon gas at measured sites near Tural. Presence of radon gas hints at the reason why there are hot springs here. It points to deep circulation of water. The crust in this region is made up of a foundation of older Precambrian age granitic rocks overlain by several hundred meters of younger basalt of Late Cretaceous to Paleocene age (67-65 million years old). Radon forms by radioactive decay of uranium. The Deccan Basalts contain only tiny amounts of uranium. Granites on the other hand are enriched in uranium. Radon emission here imply that these fractures cut through the basalt pile and penetrate the 2 billion years and older granitic rocks underlying these basalts. Such fracture systems have provided a passageway for groundwater to percolate to great depths. Cool water comes in contact



with hot rocks deep below and gets heated. This warmer buoyant water then rises to the surface, forming a hydrothermal circulation system.

#### **Field Work Around Janavali:**

Janavali is the tributary of Gad river flow in east- west direction. The Banded Hematite Quartzite (BHQ) (**Plate 3**) are very well exposed at small hillock along bank of Janavali river. The separate bands of hematite and Quartzite's are clearly observed in this rock. This rock is the product of regional metamorphism of ferruginous sandstone.

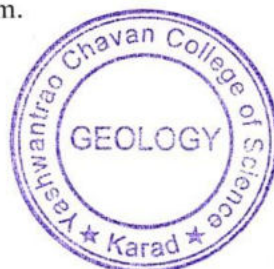
#### **Field Work Around Kanakavali:**

**1] Granite Gneiss:** Near kankavali town gray coloured granite gneiss is exposed in Gad river (**Plate 4**). It is well crystalline & show gneissose structure. It often contains, well marked bands of micaceous mineral. It is well jointed. Pot holes are common in the river bed in this rock. Intrusion of dolerite dyke into granite gneiss & it is seen well exposed in Gad river. It is about 40 feet thick & is well jointed, The margin of dykes show chilling effect with a finer grain size. The grain size of dolerite increases towards center.

**2] Hornblende Schist:** The rock is well exposed in Gad river near village Pise Kamthe. These rocks are also called as amphibolite (**Plate 5**). The rocks strike N-S & show high angle dip. Strong folding is also observed in this rocks. Hbl schist are black coloured rocks with marked schistose structure.

**3] Pegmatite intrusion:** Amphibolite rock is intruded by number of pegmatites material along schistose planes & converted amphibolites at place into granitic nature. Pegmatite veins are mostly leucocratic pink in colour with coarse grained crystals of quartz and orthoclase. Ptygmatic folding is very common in all the veins (**Plate 6**).

**4] Autoclastic conglomerates:** The rocks are well exposed in Gad river bed near village Gothane (**Plate 7**). Here the lenticular or ablong little flatten rod's of Quartzites are mixed in a hbl schist or amphibolitic giving rise to conglomeratic nature. The Quartzite rods show common orientation parallel to schistose. The autoclastic conglomerates is believed to be formed due to flattening & elongation of Quartzitic blocks during metamorphism.





### **Eparchean Unconformity near Shravan:**

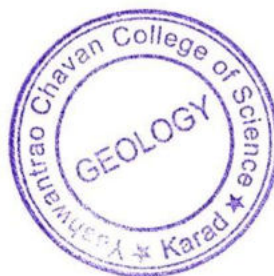
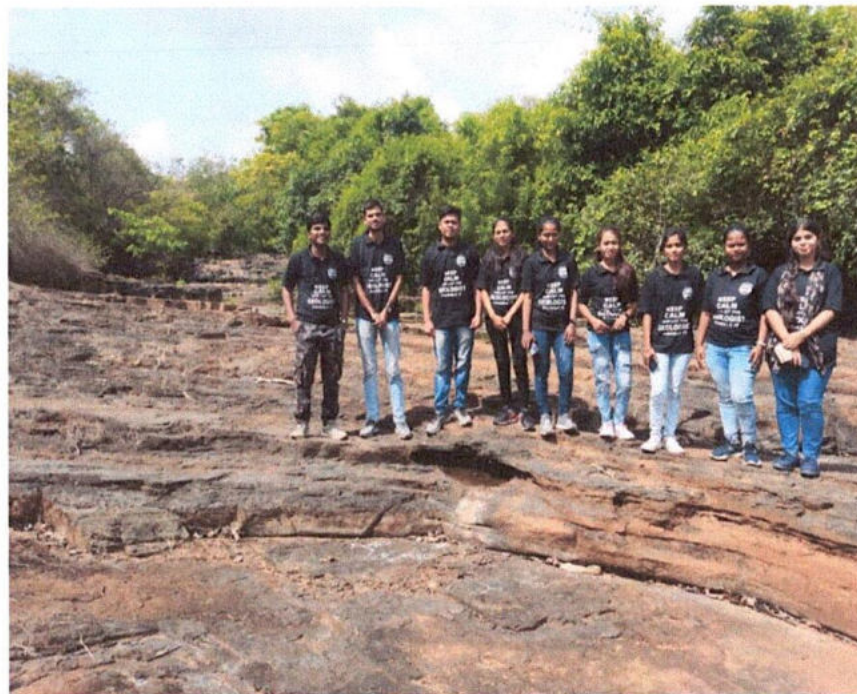
Well known Eparchean Unconformity is observed near Shravan in Gad river (Plate 8). Unconformity separates older Archean rocks and younger Proterozoic rocks. Archean rocks like hornblende schist are of Dharwar Supergroup while Proterozoic sandstone is from Kaladagi Supergroup. Basal conglomerate is marked between two rock formations. Ripple marks are also found on the top of younger strata of sandstone (Plate 9).



**Plate 1: Basalt and Red bole contact exposed at Amba Ghat, Dist. Kolhapur.**



**(Plate 2): Slates of Chunakolvan, Dist. Ratnagiri.**

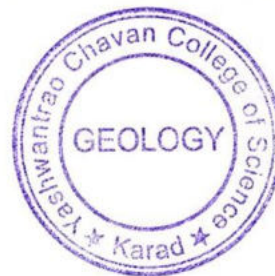




**(Plate 3): Banded Hematite Quartzite (BHQ) at Janavali, Dist. Sindhudurg.**

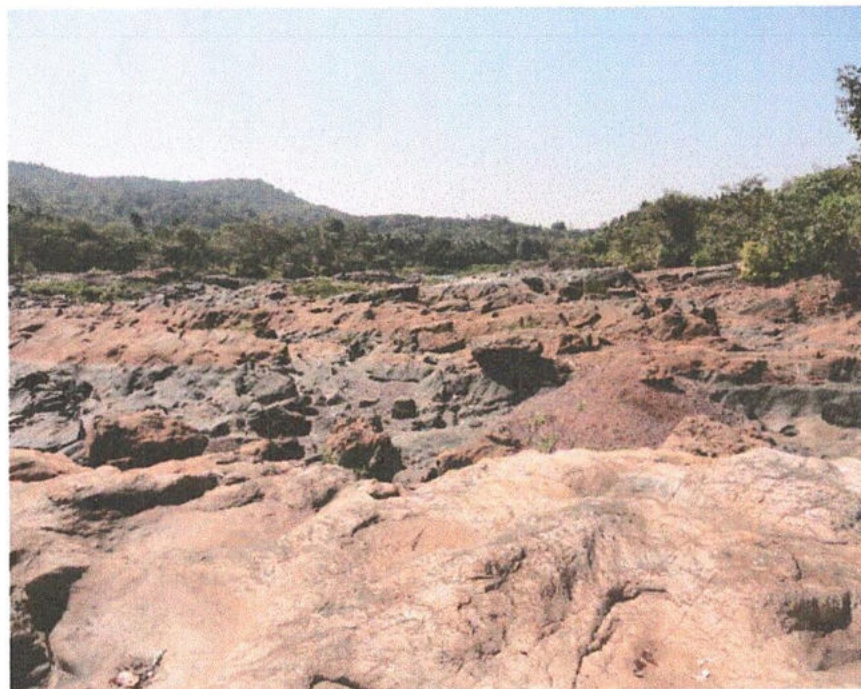


**(Plate 4): Contact of Granite Gneiss and Pegmatite dyke near Kankavali, Dist. Sindhudurg.**

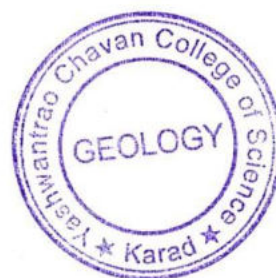




(Plate 5): Hornblende Schist at Pise Kamathe, Dist. Sindhudurg.



(Plate 6): Intrusion of Pegmatite veins in Hornblende Schist at Pise Kamathe, Dist. Sindhudurg.

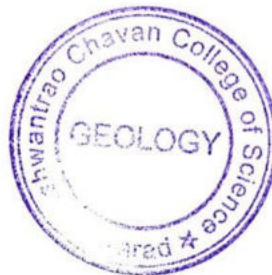
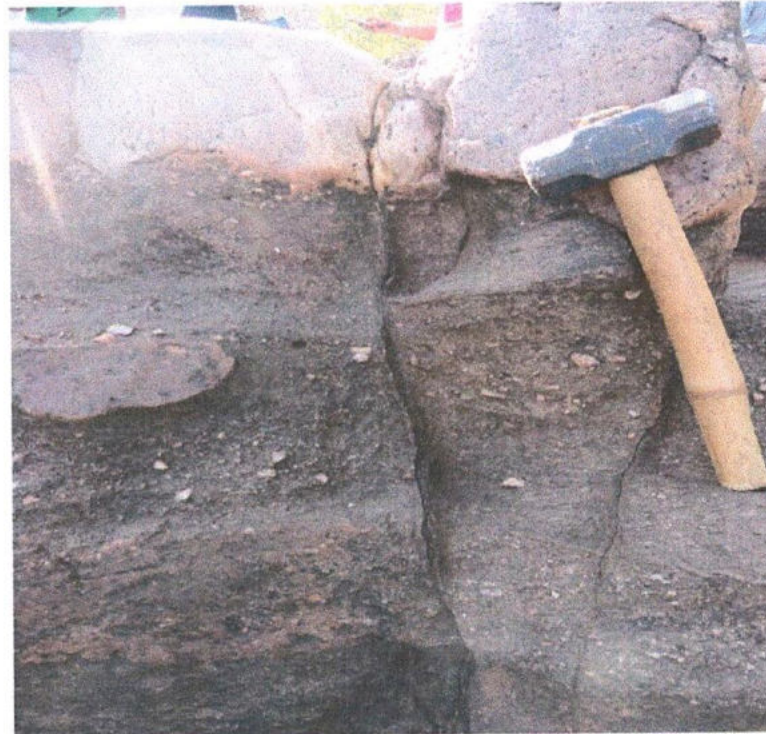




(Plate 7): Autoclastic conglomerate at Gothane, Dist. Sindhudurg.



(Plate 8): Eparchean Unconformity near Shravan, Dist. Sindhudurg.



(Plate 9) Ripple marks in Sandstone near Shravan, Dist. Sindhudurg.





Estd. 1958



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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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No./ 80 /2021-22

Date: 18/06/2022

To

General Manager,

Vasantdada Sugar Institute,

Manjari, PUNE

Sub: - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M.Sc. I Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 27<sup>th</sup> June 2022.

I request you to grant the permission for visit.

Thanking You.

Regards

Principal

Principal  
Yashwantrao Chavan College  
of Science, Karad

Dr. R. V. Bhatnagar  
Scientist  
Dept of Alcohol Tech (Biofeds)  
VSI



Estd. 1958



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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, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No./78 /2021-22

Date: 18/06/2022

To  
Director,  
National Research Centre for Grapes,  
Manjari, PUNE

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M.Sc. I Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 27<sup>th</sup> June, 2022.

I request you to grant the permission for visit.

Thanking You.

Regards

Principal

Principal.  
Yashwantrao Chavan College  
of Science, Karad

Manisha Dhauskh  
DY Quality manager  
& senior research fellows  
(National Reference  
Laboratory)  
27/06/2022



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF MICROBIOLOGY**

**M. Sc. I – Study tour**

Date: - 20/06/2022

The students of M. Sc. I (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Vasantdada Sugar Institute, Manjari, Pune and National Research Centre for Grapes, Pune on **27<sup>th</sup> June, 2022**. All should remain present in college near Microbiology department at **05.00 a.m.**

All should come with Identity Card, Notebook, and pen. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Study tour 2021-2022**

- |    |   |    |                                      |
|----|---|----|--------------------------------------|
| 1) | <b>Name of the Department</b>                       | :- | Microbiology                         |
| 2) | <b>Class &amp; Subject for which</b>                | :- | M.Sc. Part I Microbiology            |
|    | <b>Tour is arranged</b>                             |    |                                      |
| 3) | <b>No. of Students accompanying</b>                 | :- | 52                                   |
| 4) | <b>Place of visits and approximate</b>              | :- |                                      |
|    | <b>Distance of traveling</b>                        | :- | 175 Km. + 175 Km.                    |
|    | <b>Place</b>  | :- | PUNE(Manjari - Hadapsar )            |
|    | <b>Total Distance</b>                               | :- | 350 km. (approx)                     |
| 5) | <b>Date of departure and arrival</b>                | :- | 27 <sup>th</sup> June, 2022          |
|    | a) <b>Departure from Karad</b>                      | :- | 6.00 a.m.                            |
|    | b) <b>Arrival at Manjari Pune</b>                   | :- | 10.00 a.m.                           |
|    | c) <b>Visit to Vasantdada Sugar Ist.:-</b>          |    | 10.00 a.m. to 12.30 p.m.             |
|    | d) <b>Lunch Break</b>                               | :- | 12.30 p.m. to 1.30 p.m.              |
|    | e) <b>Visit to National Research</b>                | :- | 2.30 p.m. to 5.30 p.m.               |
|    | <b>Center for Grapes</b>                            |    |                                      |
|    | f) <b>Departure from Pune</b>                       | :- | 6.00 p.m.                            |
|    | g) <b>Arrival at Karad</b>                          | :- | 10.00 p.m.                           |
| 6) | <b>Mode of Journey</b>                              | :- | Hired Vehicle                        |
| 7) | <b>Name of the Staff</b>                            | :- | Dr. J. U. Patil<br>Shri. K. A. Sutar |
| 8) | <b>Name of non-teaching staff accompanying tour</b> | :- | None                                 |

  
(Tour in-charge)



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



27.06.22  
4.00 pm  
10.31 pm

Sr. No.	Roll No.	Name of the student
✓1	4001	Ayare Shrutika Umesh
✓2	4002	Bhise Savita Baban P
✓3	4003	<b>Budhawale Prashant Navnath</b>
✓4	4004	Chavan Gayatri Shivanand
✓5	4005	Etam Pranjal Prakash
✓6	4006	<b>Hasole Prasad Bajarang</b>
✓7	4007	Haware Pooja Shashikant P
✓8	4008	<b>Ingale Darshan Dadasaheb</b>
✓9	4009	Jadhav Bharati Vasant
✓10	4010	<b>Kadam Prathmesh Prakash</b>
✓11	4011	Kambale Mayuri Ananda
✓12	4012	Kamble Arundhati Avinash
✓13	4013	Kavade Radhika Rahul
✓14	4014	<b>Kharat Samadhan Anil</b>
✓15	4015	Magadum Pratiksha Mahipati
✓16	4016	Mali Pragati Bhimrao P
✓17	4017	Mali Swapnali Madhukar
✓18	4018	Mulani Ayesha Musa
✓19	4019	Nagane Shivani Dilip
✓20	4020	<b>Patil Abhay Bajirao</b>
✓21	4021	Patil Pragati Sanjay
✓22	4022	Patil Priyanka Shrikant
✓23	4023	Satarmaker Tanjum Ibrahim
✓24	4024	Shinde Tejaswini Subhash
✓25	4025	Shinde Yukta Yuvaraj
✓26	4026	Wategaonkar Swapnali Nivrutti
✓27	4027	<b>Adsul Rushikesh Sanjay</b>
✓28	4028	Ambale Vaibhavi Sagar
✓29	4029	<b>Belekar Prasad Vishwanath</b>
✓30	4030	<b>Chougale Omkar Shashikant</b>
✓31	4031	Deshkumkh Manasi Naresh
✓32	4032	Gholap Monali Anil
✓33	4033	Hake Shweta Narendra
✓34	4034	<b>Kamble Mrunal Babaso</b>
✓35	4035	Kamble Mrunali Baburav
✓36	4036	<b>Koli Ganesh Rajendra</b>
✓37	4037	<b>Kumbhar Viresh Vijay</b>
✓38	4038	Mujawar Aiman Tanveer P
✓39	4039	<b>Munde Rameshwar Balaji</b>
✓40	4040	Naddaf Jeenat Makasood P



✓ 41	4041	Naikwadi Fiza Aftab
✓ 42	4042	<b>Nangare Rushikesh Anil</b> P
✓ 43	4043	Patil Rajnandini Rangarao
✓ 44	4044	Patil Saloni Mahesh
✓ 45	4045	<b>Patil Shardul Abhijit</b>
✓ 46	4046	Pawar Pratiksha Balasaheb P
✓ 47	4047	Rajegaonkar Sneha Sanjay
✓ 48	4048	<b>Sangalge Tushar Umesh</b>
✓ 49	4049	Sangame Rutuja Mahavir
✓ 50	4050	Shanbhag Vaishnavi Muralidhar
✓ 51	4051	Tupe Rutuja Sawanta P
✓ 52	4052	Varute Nilam Ananda
		Dr. J. U. Patil (Teaching Staff)
		Shri.K.A. Sutar (Teaching Staff)

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**HEAD**  
DEPARTMENT OF MICROBIOLOGY



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2021-2022

CLASS: M. Sc. I Microbiology

TOTAL NUMBER OF STUDENTS: 52

DATES OF STUDY TOUR: 27<sup>th</sup> June, 2022

PLACES OF VISIT: 1) Vasantdada Sugar Institute, Manjari, Pune  
2) National Research Centre for Grapes, Manjari, Pune

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)


NAMES OF THE TEACHERS ACCOMPANYING: 1) Dr. J. U. Patil  
2) Mr. K. A. Sutar

DATE & TIME OF DEPARTURE FROM KARAD: 27<sup>th</sup> June, 2022; 06.00 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
27 <sup>th</sup> June, 2022 (10.0 a.m. to 12.30 p.m.)	Vasantdada Sugar Institute, Manjari, Pune	Students gained knowledge about the technologies used in the research of sugar.
27 <sup>th</sup> June, 2022 (2.30 p.m. to 05.30 p.m.)	National Research Centre for Grapes, Manjari, Pune	Students gained knowledge about the technologies used in the research of grapes.

DATE & TIME OF ARRIVAL AT KARAD: 27<sup>th</sup> June, 2022; 10.00 p.m.

  
Teacher in-charge



  
Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

Estd. 1958



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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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No./ 81 /2021-22

Date: 18/06/2022

To

General Manager,

Vasantdada Sugar Institute,

Manjari, PUNE

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M.Sc. II Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 27<sup>th</sup> June 2022.

I request you to grant the permission for visit.

Thanking You.

Regards

Principal

Principal  
Yashwantrao Chavan College  
of Science, Karad





Estd. 1958

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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

☎ 02164 - 271356, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.No./ 79 /2021-22

Date: 18/06/2022

To

Director,

National Research Centre for Grapes,

Manjari, PUNE

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M.Sc. II Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 27<sup>th</sup> June, 2022.

I request you to grant the permission for visit.

Thanking You.

Regards

Principal

Principal

Yashwantrao Chavan College  
of Science, Karad



*Handwritten signature and date:*  
27/06/2022  
De. Supriya P. Khesale  
Project Assistant.  
NRL  
NRCG. Pune.

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF MICROBIOLOGY**

**M. Sc. II – Study tour**

Date: - 20/06/2022

The students of M. Sc. II (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Vasantdada Sugar Institute, Manjari, Pune and National Research Centre for Grapes, Pune on **27<sup>th</sup> June, 2022**. All should remain present in college near Microbiology department at **05.00 a.m.**

All should come with Identity Card, Notebook, and pen. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Study tour 2021-2022**

- |    |  |    |                                     |
|----|--|----|-------------------------------------|
| 1) | Name of the Department                       | :- | Microbiology                        |
| 2) | Class & Subject for which                    | :- | M.Sc. Part II Microbiology          |
|    | Tour is arranged                             |    |                                     |
| 3) | No. of Students accompanying                 | :- | 52                                  |
| 4) | Place of visits and approximate              | :- |                                     |
|    | Distance of traveling                        | :- | 175 Km. + 175 Km.                   |
|    | Place  | :- | PUNE(Manjari - Hadapsar )           |
|    | Total Distance                               | :- | 350 km. (approx)                    |
| 5) | Date of departure and arrival                | :- | 27 <sup>th</sup> June 2022          |
|    | a) Departure from Karad                      | :- | 6.00 a.m.                           |
|    | b) Arrival at Manjari Pune                   | :- | 10.00 a.m.                          |
|    | c) Visit to Vasantdada Sugar Ist.:-          |    | 10.00 a.m. to 12.30 p.m.            |
|    | d) Lunch Break                               | :- | 12.30 p.m. to 1.30 p.m.             |
|    | e) Visit to National Research                | :- | 2.30 p.m. to 5.30 p.m.              |
|    | Center for Grapes                            |    |                                     |
|    | f) Departure from Pune                       | :- | 6.00 p.m.                           |
|    | g) Arrival at Karad                          | :- | 10.00 p.m.                          |
| 6) | Mode of Journey                              | :- | Hired Vehicle                       |
| 7) | Name of the Staff                            | :- | Dr. A. A. Raut<br>Miss. K. A. Yadav |
| 8) | Name of non-teaching staff accompanying tour | :- | None                                |

  
(Tour in-charge)



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



Department of Microbiology  
M.Sc. II Study tour 2021-22  
**UNDERTAKING**

Date: - 27/6/2022

We the undersigned students of M.Sc. II (Microbiology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the incharge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	✓ 5001	Ambardekar Nutan Bajarang	7420996947	8380908782	(NB Ambardekar)
2	✓ 5002	Bajabale Sourabh Mohan	9168451608	7385587609	SMB
3	✓ 5003	Bandgar Rohini Suresh	7972107993	9595984422	Bandgar R.S.
4	✓ 5004	Bhagwat Prathamesh Bhagwantsinh	9545788436	9545788435	Prathamesh
5	✓ 5005	Chavan Shubhangi Vilas	9545330513	9673938265	CS
6	✓ 5006	Deshmukh Anjali Adhikrao	9561974512	9503223810	Deshmukh
7	✓ 5007	Dhemare Rutuja Sudhir	9096662656	7350187564	Dhemare
8	✓ 5008	Gholap Mayur Bhagwan	8454015519	9970512319	Gholap
9	✓ 5009	Jadhav Aishwarya Ajitkumar	8329886590	9823598130	Aishwarya
10	✓ 5010	Kamble Pratiksha Ganesh	7350258213	8830843271	Kamble
11	✓ 5011	Kamble Tejaswini Hemant	7620727481	9130096614	Kamble
12	✓ 5012	Koli Diapli Dipak	8459790791		
13	✓ 5013	Koli Dipali Shashikant	8975418902	9730792865	(D.Koli)
14	✓ 5014	Koli Saurabh Vijay	7028560079	7498665833	SV
15	✓ 5015	Kothalikar Pooja Ananda	8530089365	8856054945	PAKothalikar
16	✓ 5016	Landge Ankita Dinkar	8484021142	9372305537	Landge
17	✓ 5017	Mali Sushmita Vijay	8766719195	8208704162	S.Mali
18	✓ 5018	Mujawar Ayanali Dastagir	9527054609	9884197623	Mujawar
19	✓ 5019	Mulla Muskan Naushad	7972237522	9370409005	Mulla
20	✓ 5020	Patil Aarti Pandurang	9503328418	9421107365	Aarti
21	✓ 5021	Patil Kashmira Komal	9665090467	9503086441	K.Patil
22	✓ 5022	Patil Nitesh Bhairu	9130521258	9823787605	N.Patil
23	✓ 5023	Patil Snehal Sudhakar	7741896276	9130965100	S.Patil
24	✓ 5024	Shikalgar Nilofar Ajij	9604257186	8975186754	Shikalgar
25	✓ 5025	Amanagi Aishwarya Sunil	9168905986	9226794192	Amanagi
26	✓ 5026	Bhosale Somnath Pandurang	9822862080	8828097105	Bhosale
27	✓ 5027	Ghorpade Rohini Vilas	8806846064	9309158715	Ghorpade
28	✓ 5028	Jadhav Aishwarya Anandrao			
29	✓ 5029	Jangam Amruta Ashok	7774808484	9823360101	A.Jangam
30	✓ 5030	Kamble Ankita Subhash	9307395492	9921340565	Kamble
31	✓ 5031	Kendre Shrinivas Vasantrao	9766744123	9158509119	K.Shrinivas
32	✓ 5032	Koligudde Vishal Rajendra	9325582125	9011677353	Koligudde
33	✓ 5033	Kumbhar Bhagyashri Balkrishna	7499868962	9922738228	K.Bhagyashri
34	✓ 5034	Kumbhar Swarup Pandurang	7057916364	9049508005	K.Swarup
35	✓ 5035	Mane Prajкта Anil	9798284568	9881425232	Mane



36	✓ 5036	Mulani Khushabu Shakil	856618600	9136601313	<u>Mulani</u>
37	✓ 5037	Pasare Akash Anil	9146503974	8452033920	<u>Pasare</u>
38	✓ 5038	Patil Apurva Tanaji	8766516976	9422031464	<u>Patil</u>
39	✓ 5039	Patil Nishigandha Babaji	7057419833	9702923781	<u>Patil</u>
40	✓ 5040	Patil Satish Pandurang	9764432770	9503403789	<u>Patil</u>
41	✓ 5041	Patil Vinayak Chandrakant	8830155959	8087732847	<u>Patil</u>
42	✓ 5042	Pawar Santosh Vitthal	8217840904	7406098582	<u>Pawar</u>
43	✓ 5043	Shinde Dipti Sandeep	9284733798	9850125797	<u>Shinde</u>
44	✓ 5044	Shinde Sampada Sudam	8956888064	7028456601	<u>Shinde</u>
45	✓ 5045	Shinge Ashutosh Jaywant	9595753292	7030659638	<u>Shinge</u>
46	✓ 5046	Shipai Aliya Riyaz	9498917214	9022317720	<u>Shipai</u>
47	✓ 5047	Suryawanshi Sandeep Appaso	8208179001	8208179001	<u>Suryawanshi</u>
48	✓ 5048	Tawar Madhavi Dilip	9112765525	9922797771	<u>Tawar</u>
49	✓ 5049	Veer Abhishek Anandrao	8530068874	8888783248	<u>Veer</u>
50	✓ 5050	Waydande Payal Jagannath	9370620312	9403157825	<u>Waydande</u>
51	✓ 5051	Yadav Shivani Dhanaji	9022121225	9561172066	<u>Yadav</u>
52	✓ 5052	Kamble Sayali Mohan	9623181149	9922100852	<u>Kamble</u>



  
**HEAD**  
 DEPARTMENT OF MICROBIOLOGY

# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## **STUDY TOUR REPORT**

**Year 2021-2022**

**CLASS: M. Sc. II Microbiology**

**TOTAL NUMBER OF STUDENTS: 52**

**DATES OF STUDY TOUR: 27<sup>th</sup> June, 2022**

**PLACES OF VISIT: 1) Vasantdada Sugar Institute, Manjari, Pune  
2) National Research Centre for Grapes, Manjari, Pune**

**MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)**

**NAMES OF THE TEACHERS ACCOMPANYING: 1) Dr. A. A. Raut  
2) Miss. K. A. Yadav**

**DATE & TIME OF DEPARTURE FROM KARAD: 27<sup>th</sup> June, 2022; 06.00 a.m.**

**DATES & PLACES OF VISIT:**

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
27 <sup>th</sup> June, 2022 (10.0 a.m. to 12.30 p.m.)	Vasantdada Sugar Institute, Manjari, Pune	Students gained knowledge about the technologies used in the research of sugar.
27 <sup>th</sup> June, 2022 (2.30 p.m. to 05.30 p.m.)	National Research Centre for Grapes, Manjari, Pune	Students gained knowledge about the technologies used in the research of grapes.

**DATE & TIME OF ARRIVAL AT KARAD: 27<sup>th</sup> June, 2022; 10.00 p.m.**



Teacher in-charge



Head of the Department

**HEAD  
DEPARTMENT OF MICROBIOLOGY**



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## DEPARTMENT OF MICROBIOLOGY

### Industrial Visit



Visit of M.Sc. I and M.Sc. II Year Students to

Vasantdada Sugar Institute, Manjari, Pune

National Research Centre for Grapes, Manjari, Pune





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF MICROBIOLOGY**

**Field Visit/Study Tour Report**

**Academic Year (2021-22)**

**REPORT**

Name of the activity:	Vasantdada Sugar Institute, Manjari, Pune National Research Centre for Grapes, Manjari, Pune
Date	27 <sup>nd</sup> June 2022
Purpose of Program	To cultivate understanding of safe grape production research and productivity enhancement methods, encompassing grape microbial diseases, while fostering student engagement and awareness of sugarcane varieties, diseases, and pests.
Study Tour Incharge	Dr. J. U. Patil and Dr. A. A. Raut
Total Beneficiaries	52 M.Sc. I and 52 M.Sc. II Year Students
No. of Teachers Participated	04
Program outcomes	Students gained insights into strategic and applied research on safe grape production and productivity enhancement, while also acquiring knowledge of sugarcane research techniques, diverse sugarcane varieties, and prevalent microbial diseases, with an awareness of ongoing research aimed at addressing pertinent issues in sugarcane crop development



  
Tour Incharge





Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref No. : Micro/66/2021-22

Date: - 06/06/2022

To,

The Managing Director,  
Sahyadri Sahakari Sakhar Karkhana Ltd.,  
Yashwantnagar, Karad.

**Subject: - Educational visit of B.Sc. Part - II Microbiology students.**

Sir,


As a part of educational tour a group of B.Sc. Part II Microbiology students one hundred twenty three (134) from this college accompanied by their teachers (4) wish to visit your industry on **Friday, 10<sup>th</sup> June, 2022.**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

  
सहाद्री सहकारी साखर कारखाना लि;  
यशवंतनगर, ता. कराड, जि. सातारा

Yours faithfully,

  
**Distillery In - Charge**  
Sahyadri S. S. K. Ltd; Yeshwantnagar,  
Tal. Karad, Dist. Satara

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



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF MICROBIOLOGY**

**B. Sc. II – Study tour**

Date: - 07/06/2022

The students of B. Sc. II (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Karad on **10<sup>th</sup> June, 2022**. All should remain present in college near Microbiology department at **10.00 a.m.**

All should come with Identity Card, Notebook, pen and Tiffin. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



  
Head  
DEPARTMENT OF MICROBIOLOGY  
Department of Microbiology



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.

## Study tour 2021-2022

- 1) **Name of the Department** :- Microbiology
- 2) **Class & Subject for which** :- B.Sc. Part II  
**Tour is arranged**
- 3) **No. of Students accompanying** :- 134
- 4) **Place of visits and approximate Distance**  
**Place** :- Sahyadri Sahakari Sakhar  
Karkhana Ltd,, Yashwantnagar.  
**Distance** :- 8 k.m. + 8 k.m. (Approx.)  
**Total Distance** :- 16 k.m. (approx)
- 5) **Date of departure and arrival** :- 10<sup>th</sup> June, 2022
  - a) **Departure from Karad** :- 10.00 a.m.
  - b) **Visit to Sahyadri Sahakari Sakhar Karkhana Ltd,, Distillery Section** :- 10.30 a.m.
  - c) **Lunch Break** :- 01.00 p.m.
  - d) **Visit to Waste Treatment Plant** :- 02.00 p.m.
  - e) **Departure from S.S.Sakhar Karkhana Ltd,, Yashwantnagar:-** 03.30 p.m.
  - f) **Arrival at Karad** :- 04.00 p.m.
- 6) **Mode of Journey** :- S.T. Bus
- 7) **Name of the Staff accompanying tour** :- Miss. Y. B. Yadav  
Miss. P. V. Mane  
Miss. S. A. Lohar  
Mr. K. A. Sutar

  
(Tour in-charge)



  
**HEAD**  
DEPARTMENT OF MICROBIOLOGY

# Yashwantrao Chavan College of Science, Karad

## DEPARTMENT OF MICROBIOLOGY

B.Sc. II (2021-2022)

### UNDERTAKING

We the undersigned students of B.Sc. II (Microbiology) are attending an educational tour with our teachers to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar from 10/06/2022 (10.00 a.m.) till arrival at Karad to visit places of educational interest. We are traveling on our own risk and we further declare that we all will follow the time schedule & obey the orders of the incharge throughout the tour.

Roll No.	Name of the Student	Phone Number	Signature	
* 2161	ATTAR SAHIL GAFUR	9511797870	SATTAR	P
X 2162	BAGAL GANESH RAMCHANDRA			
✓ 2163	BAHULEKAR PRAMIL SHANKAR	7385668417	Pull	P
* 2164	BANSODE NIHAR RAVINDRA	7058121458	Nihar	P
	BHISE SAKSHI ANANDRAO	9588674075	Abise	P
	BHOSALE RAJAT SANJAY	956130505	R. Bhosale	P
	BHOSALE ROHIT RAVINDRA	7558322115	Rohit	P
✓ 2168	CHAVAN VISHAKHA SATISH	8007352480	Chavan	P
✓ 2169	CHAVNYA AMISHA MAHADEV	9890983553	Chavnya	P
	CHORGE MAYA SAMBHAJI	9325955502	Chorge	P
✓ 2171	DHUKATE SOMNATH SANJAY	8788830101	Somnath	P
	GAIKWAD TEJAS ANANDRAO	9420581205	Tejas	P
	INGAWALE SANDESH SHARAD	9798736743	S. Ingawale	P
✓ 2174	JADHAV PRITI SHIVAJI	9830959097	Prithvi	P
X 2175	JADHAV AKSHATA PRAKASH			
	JADHAV AROHI ANIL	9028166354	Jadhav	P
	JADHAV SACHIN JAYWANT	7875565004	Jadhav	P
* 2178	JADHAV VIRAJ KRISHNAT	9765798495	Jadhav	P
✓ 2179	JAGDALE OMKAR MARUTI	7410106376	Jagdale	P
	KADAM VIKRAM RAJARAM	9036423371	V.R. Kadam	P
	KAMBALE ATUL SANJAY	7620026038	Kambale	P
* 2182	KAMBALE DIPAK PUNDALIK	8975208635	Kambale	P
	KANASE SEJAL JALINDAR	8446257475	Kanase	P
✓ 2184	KULKARNI SATLAJ GANESH	7720079128	Kulkarni	P
X 2185	KUMBHAR ASHISH ANIL			
	KURADE ABHISHEK ASHOK	7385115894	Kurade	P
	MOHITE AKASH SNIL	9529743172	Mohite	P
	MOHITE MANDAR YUVRAJ	8459402480	Mohite	P
	MULLA AFRIN CHAND	8888982486	A.C. Mulla	P
	MULLA HASINA RAMJAN	9689084980	H. Mulla	P
	NALAWADE SNEHAL ASHOK	8623967784	Nalawade	P





✓ 2192	PALASE POOJA SHANKAR	8237929141	<u>Palase</u>	P
✓ 2193	PATIL AMRUTA BHAGWAN	9579810213	<u>Patil</u>	P
2194	PATIL JAYKUMAR BHARAT	7058983472	<u>Patil</u>	P
2195	PATIL PRATIK DHYANDEV	7822848842	<u>Patil</u>	P
2196	PATIL PTATHAMESH DADASO <sup>late</sup>	7263093329	<u>Patil</u>	P
*2197	PAWAR MANOJ MADHUKAR	9511797870	<u>Pawar</u>	P
2198	PAWAR RASIKA NANA	9325019961	<u>Pawar</u>	P
*2199	PAWAR SHUBHAM RAJESH	9561966166	<u>Pawar</u>	P
2200	PAWAR SNEHAL CHANDRAKANT	7387558898	<u>Pawar</u>	P
✓ 2201	PAWAR SRUSHTI VITTHAL	9834561307	<u>Pawar</u>	P
2202	PAWAR SWARALI ANIL	7277990665	<u>Pawar</u>	P
✓ 2203	RAUT VAIBHAVI HINDURAO	9970122414	<u>Raut</u>	P
*2204	SAWANT RAMCHANDRA EKNATH	9699167366	<u>Sawant</u>	P
✓ 2205	SHEWALE SWATI ASHOK	8390428030	<u>Shewale</u>	P
✓ 2206	SHINDE RUTUJA ANANDA	8010309650	<u>Shinde</u>	P
✓ 2207	SHINDE SHUBHAM NANA	9767533705	<u>Shinde</u>	P
✓ 2208	SURYAWANSHI RAVIRAJ KASHINATH	8263911614	<u>Shinde</u>	P
✓ 2209	TALWAR SHILPA CHANDRAKANT	9370807314	<u>Talwar</u>	P
2210	WAYDANDE SHUBHAM PANDHARINATH	721945181	<u>Waydande</u>	P
2211	BARGE NIKITA SHIVAJI	7798029309	<u>Barge</u>	P
2212	BHISE NIKITA ANIL	9322060912	<u>Bhise</u>	P
✓ 2213	CHAVAN ABHIJIT RAJESH	7098125125	<u>Chavan</u>	P
2214	CHAVAN SANIKA MAHESH	7385057343	<u>Chavan</u>	P
✓ 2215	CHAVAN TEJAS ADHIKRAO	7448717395	<u>Chavan</u>	P
✓ 2216	DESHMUKH KOMAL VISHWANATH	9146391726	<u>Deshmukh</u>	P
2217	DESHMUKH MADHURI MAHADEV	9049131899	<u>M. M. Deshmukh</u>	P
2218	DHEKALE KAJAL ANIL	8999762459	<u>Dhekale</u>	P
X 2219	FERE AKSHATA AJAY			
2220	JADHAV ARTI SANJAY	8888395497	<u>Jadhav</u>	P
2221	JADHAV SANIKA HEMANT	8080297922	<u>Jadhav</u>	P
2222	JADHAV VEDANTIKA BABANRAO	9767956377	<u>Jadhav</u>	P
✓ 2223	KADAM SAYALI JAGANNATH	9370646096	<u>Kadam</u>	P
2224	KADAM SUYASH BABASAHEB	9359618172	<u>Kadam</u>	P
2225	KATEKAR SWAPNALI PANDURANG	8237976005	<u>Katekar</u>	P
2226	KHOT PRACHI RAJENDRA	8446228470	<u>Khot</u>	P
2227	MAHAJAN SHIVAM SHIVAJI	87620773929	<u>Maha</u>	P
2228	MALI ANURADHA DATTATREYA	8483885045	<u>Mali</u>	P
2229	MALI KISHORI SHANKAR	8483846315	<u>Mali</u>	P
2230	MORE JOTI KISHOR	9766657051	<u>More</u>	P
X 2231	MUJAWAR SDDHIKA MANUDDIN			
X 2232	MULLA MUBSARIRIN BASHIR			
2233	MULLA SANA NURMOHAMMAD	8625030379	<u>Mulla</u>	P
2234	NIGADE SANDHYA RAJU	9373714005	<u>Nigade</u>	P





2235	NIKAM SNEHAL SAMPAT	8625960876	Nikam	P
2236	PATIL DHANASHRI SUBHASH	8421648139	Patil	P
2237	PATIL HARSHADA VISHWAS	9561403384	Patil	P
2238	PATIL RAJNANDINI ARUN	7755954012	Patil	P
2239	PATIL SHRUTI RAJARAM	8459435822	Patil	P
✓ 2240	PAWAR AKSHAY RAJENDRA	9158169229	Pawar	P
2241	PAWAR OMKAR SAMBHAJI	7273036161	Pawar	P
2242	PAWAR TEJASWI RAGHUNATH	8262018680	Pawar	P
2243	RAMUGADE ANJALI PANDURANG	8806650270	PRamugade	P
✓ 2244	SHEWALE ROSHAN LALASO	9130659847	She+	P
✓ 2245	SHINDE GAYATRI UDAY	8149253949	Gushinde	P
2246	SHINDE SHIVANJALI BHASKAR	8080134519	Shinde	P
✓ 2247	SHINDE SHIVRAJ BHASKAR	87350304140	Shinde	P
2248	SONAWALE SIDDHI VINOD	7822806052	Sonawale	P
✓ 2249	SUTAR GAYATRI PRADIP	7447272783	Sutar	P
✓ 2250	TONNE VIJAY RAMESH	9356542413	Tonne	P
✓ 2251	WAGH PRATIKSHA VASANT	7558584433	Waghade	P
✓ 2386	DESAI SANGRAM UDAY	9359753020	Desai	P
✓ 2387	DUBAL SANIKA NITIN	9607892016	SDubal	P
✓ 2388	MALI SHUBHAM ADHIKRAO	7087574807	Malik	P
✓ 2389	MANE RAKESH VIJAY	9359737410	Mane	P
✓ 2390	NIGAVE SAURABH SHASHIKANT	9579946707	Nigave	P
✓ 2391	SANKPAL SANIKA MANSING	9284677316	Sankpal	P
✓ 2392	SANKPAL VAISHNAVI SANTOSH	9579598658	Sankpal	P
X 2393	SHINDE RUTUJA DIPAK			
X 2406	BADEKAR SHUBHAM PRASHANT			
2407	CHAUGHULE ARIYAN RAJKUMAR	9356467677	Chaugule	P
2408	DHEB RUPALI NATHURAM	7385671603	Dheb	P
2409	GURAV VISHWAMBAR SUNIL	7796547068	Gurav	P
A 2410	HANKARE PARSHURAM ANIL	7058254011	Hankare	A
2411	JADHAV SHREYASH RAJESH	9356950576	Jadhav	P
2412	JADHAV SURAJ DILIP	9322079713	Jadhav	P
2413	JADHAV SWETA SHSHIKANT	7035626768	Jadhav	P
✓ 2414	JADHAV TEJASVINI SUDHKAR	9766102542	Jadhav	P
2415	JAGTAP VAISHNAVI SANJAY	8261898457	Jagtap	P
✓ 2416	JAMBHALE SANSKRUTI SUBHASH	9561812247	Jambhale	P
✓ 2417	KARAPE DHANASHRI MAHADEV	7620036851	Karape	P
2418	LOHAR VISHAL BHAGWAT	9325612597	Lohar	P
2419	MALAVE PRANALI VAMAN	9011928574	Malave	P
✓ 2420	MANE KALYANI DHANAJI	9322695151	Mane	P
2421	NALAWADE PRATIKSHA RAJENDRA	7058176617	Nalawade	P
X 2422	PATIL MAYURESHWAR HANMANT			
2423	POL RUTUJA SUBHASH	8459740902	Pol	P
2424	SALUNKHE PRANITA SANJAY	7628459474	Salunke	P





2425	SALUNKHE PRATHMESH VAMAN	7756820985	<u>Salunkhe</u>	P
2426	SAPKAL SANIKA DHANAJI	7385129672	<u>Sapkale</u>	P
2427	SAPKAL SUPRIYA SANJAY	7058498350	<u>Sapkale</u>	P
✓ 2428	SHEWALE PRIYANKA KASHINATH	9307192849	<u>Shewale</u>	P
2431	JADHAV ANUSHKA SANTOSH	7620385990	<u>Jadhav</u>	P
X 2432	JADHAV OMKAR SHARAD			
2433	JADHAV PRAJAKTA DHANAJI	9356423542	<u>Prajakta</u>	P
2434	LADE PIYUSHA PRAVIN	8862032038	<u>Lade</u>	P
2435	MUJAWAR ARSH AMIR	9373168592	<u>Mujawar</u>	P
2436	NIKAM AKANKSHA ASHOK	7350417413	<u>Nikam</u>	P
2437	PATIL SARTHAK ANANDRAO	7666328021	<u>Patil</u>	P
2438	PAWAR GAURI SAMBHAJI	9730708330	<u>Pawar</u>	P
2439	SAWAKHANDE SHREYA SIDHARTH	9923404002	<u>Sawakhande</u>	P
2466	KALE KIRAN SURESH	7559482705	<u>Kale</u>	P
✓ 2472	PATIL SHIVANI BAJIRAO	9385902805	<u>Patil</u>	P

Name of the staff :-

- 1) Shri. K. A. Sutar Sutar
- 2) Miss. S. A. Lohar Lohar
- 3) Miss. P. V. Mane - Mane



  
**HEAD**  
 DEPARTMENT OF MICROBIOLOGY

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2021-2022

CLASS: B. Sc. II Microbiology

TOTAL NUMBER OF STUDENTS: 134

DATES OF STUDY TOUR: 10<sup>th</sup> June, 2022

PLACES OF VISIT: Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar

MODE OF JOURNEY: S. T. Bus

NAMES OF THE TEACHERS ACCOMPANYING:

- 1) Miss. Y. B. Yadav
- 2) Miss. Lohar S. A
- 3) Miss. Mane P. V.
- 4) Mr. Sutar K. A.

DATE & TIME OF DEPARTURE FROM KARAD: 10<sup>th</sup> June, 2022; 10.30 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
10 <sup>th</sup> June, 2022 (10.30 a.m. to 12.30 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Distillery Section, Yashwantnagar	Students gained knowledge about the distillation process and the role of microorganisms in the fermentation of alcohol.
10 <sup>th</sup> June, 2022 (2.0 p.m. to 3.0 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Waste Treatment Section, Yashwantnagar	Students gained knowledge about waste management in the sugar industry.

DATE & TIME OF ARRIVAL AT KARAD: 10<sup>th</sup> June, 2022; 04.00 p.m.



Teacher in-charge



Head of the Department

**HEAD**  
DEPARTMENT OF MICROBIOLOGY





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, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref No. : Micro/29/2021-22

Date: - 18/05/2022

To,

The Managing Director,  
Sahyadri Sahakari Sakhar Karkhana Ltd.,  
Yashwantnagar, Karad.

**Subject: - Educational visit of B.Sc. Part - III Microbiology students.**

Sir,

As a part of educational tour a group of B.Sc. Part III Microbiology students one hundred twenty three (123) from this college accompanied by their teachers (3) wish to visit your industry on **Saturday, 21<sup>st</sup> May, 2022.**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

*[Signature]*  
for Distillery In - Charge  
Sahyadri S. S. K. Ltd; Yeshwantnagar  
Tal. Karad, Dist. Satara

Yours faithfully,

*[Signature]*  
Principal  
Yashwantrao Chavan College  
of Science, Karad.



*[Signature]* 18/5/22  
Sahyadri Sahakari Sakhar Karkhana Ltd.  
Yeshwantnagar - 415 124.  
Tal. Karad, Dist. Satara (Maharashtra State)

O.C

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF MICROBIOLOGY**

**B. Sc. III – Study tour**

Date: - 19/05/2022

The students of B. Sc. III (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Karad on **21<sup>h</sup> May, 2022**. All should remain present in college near Microbiology department at **10.00 a.m.**

All should come with Identity Card, Notebook, pen and Tiffin. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**Study tour 2021-2022**

- |    |  |    |   |
|----|--|----|---|
| 1) | Name of the Department   | :- | Microbiology  |
| 2) | Class & Subject for which<br>Tour is arranged                                | :- | B.Sc. Part III  |
| 3) | No. of Students accompanying   | :- | 123   |
| 4) | Place of visits and approximate Distance                                     |    |   |
|    | Place  | :- | Sahyadri Sahakari Sakhar<br>Karkhana Ltd., Yashwantnagar. |
|    | Distance   | :- | 8 k.m. + 8 k.m. (Approx.)                                 |
|    | Total Distance   | :- | 16 k.m. (approx)  |
| 5) | Date of departure and arrival  | :- | 21st May, 2022  |
|    | a) Departure from Karad  | :- | 10.00 a.m.  |
|    | b) Visit to Sahyadri Sahakari<br>Sakhar Karkhana Ltd.,<br>Distillery Section | :- | 10.30 a.m.  |
|    | c) Lunch Break   | :- | 01.00 p.m.  |
|    | d) Visit to Waste Treatment<br>Plant   | :- | 02.00 p.m.  |
|    | e) Departure from S.S.Sakhar<br>Karkhana Ltd., Yashwantnagar:-               |    | 03.30 p.m.  |
|    | f) Arrival at Karad  | :- | 04.00 p.m.  |
| 6) | Mode of Journey  | :- | S.T. Bus  |
| 7) | Name of the Staff<br>accompanying tour                                       | :- | Miss. K. A. Yadav<br>Miss. P. V. Mane<br>Mr. K. A. Sutar  |

  
(Tour in-charge)



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

# Yashwantrao Chavan College of Science, Karad

## DEPARTMENT OF MICROBIOLOGY

B.Sc. III (2021-2022)

### UNDERTAKING

We the undersigned students of B.Sc. III (Microbiology) are attending an educational tour with our teachers to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar from 21/05/2022 (10.00 a.m.) till arrival at Karad to visit places of educational interest. We are traveling on our own risk and we further declare that we all will follow the time schedule & obey the orders of the incharge throughout the tour.

Roll No.	Name of the student	Phone No.	Signature
3501	BHIMANI LIZABIN ASHWINIBHAI	7378967820	
3502	BENDRE ABHAY SHAMRAO	7218273209	
3503	BHINTADE GAYATRI SANTOSH	9552988549	
3504	BHOSALE SAKSHI RAJENDRA	7249673715	
3505	BORGAONKAR NIKITA BHANUDAS	9404844680	
3506	BORGE SHUBHANJI VASANT	8390967593	
3507	BUDHE JAYASHRI JAYVANT	9763452339	
3508	BURANE YOGITA SHAHAJI	9307131161	
3509	CHAVAN RUTUJA SAMBHAJI	7768989562	
3510	CHAVAN SHRITIKA BALKRISHNA	9022735848	
3511	CHAVAN SONALI KRISHNAT	9322514014	
3512	CHAVAN VAIBHAV SAMPAT	7666825925	
3513	CHAVAN VRUSHALI ABASO	9970831938	
3514	CHORAGE VIDYA HANMANT	9307276676	
3515	DESAI AKANKSHA ADHIKRAO	9168817038	
3516	DESAI SNEHAL SAMBHAJI	9579346313	
3517	DESHMUKH PRIYANKA ASHOK	7350693766	
3518	DESHMUKH RUTUJA UMESH	9096541901	
3519	DHAGALE POOJA DADASO	8698498731	
3520	DHUMAL RUSHIKESH RAJENDRA	7878677043	
3521	DIXIT ROHIT SUNIL	7066964602	
3522	DOUNDE CHINMAY NITIN	9325303593	
3523	DURYAWANSHI AISHWARYA	8625617232	





3557	KHADE CHAITANYA BALASO	9112980233	<u>OK</u>
3558	KHAIRMODE MAYURI SANJAY	7558562469	<u>MAYURISK</u>
3559	KHARAT SONALI VIJAY		
3560	KOLEKAR SACHIN NAVANATH		
3561	KUMBHAR AKSHAY GANESH	9970225087	<u>Bhar..</u>
3562	KUMBHAR PRATHMESH HANMANT	9168310993	<u>Prathm</u>
3563	LAD ASHVINI HARIBA	8767010664	<u>Adk</u>
3564	LAVATE SHUBHAM ANNASO	7558387470	<u>Sh</u>
3565	MALI ANKITA SHIVAJI	9146834612	<u>Asmani</u>
3566	MALI KAJAL HANMANT	7038417390	<u>Atmali</u>
3567	MALI SHUBHAM SHIVAJI	7517280301	<u>Arnd</u>
3568	MANE SUCHITA SADASHIV	7378928710	<u>Mane</u>
3569	MANE TEJAS RAMSHARAM	8329705770	<u>Tej</u>
3570	MOLAWADE SHUBHAM SUHAS	8600311694	<u>Suhas</u>
3571	MORE PRAGITI RAMCHANDRA	9921069253	<u>Amore</u>
3572	MULLA MASHIRA MUSTAQ	7385027687	<u>Mashira..</u>
3573	NADAF SIDDEEKA ALMASHAHA	9322954797	<u>SN</u>
3574	NADAF SIMRAN SHAUKAT		
3575	NALAWADE ADITI RAMESH	7517617243	<u>Aditi</u>
<b>3576</b>	<b>NALAWADE VINOD SHAMRAO</b>		
3577	NIKAM VIVEK JAYAWANT	7499687758	<u>NK</u>
3578	PANASKAR ANKITA MADHUKAR	7249681036	<u>Anandkar</u>
3579	PATEKAR KAJAL ROHIDAS	9922387975	<u>KRpatekar</u>
3580	PATEL ARSHIYA MOHAMMAD	9518537222	<u>Arf</u>
3581	PATEL SUMMAIYA RAFIK		
3582	PATHAN AAYESHA SHANKAR	8767872189	<u>Pathan</u>
<b>3583</b>	<b>PATIL AJINKYA SAMPAT</b>	7168073309	<u>Ajink</u>
3584	PATIL HARSHADA BAJARANG	9370860685	<u>Harsh</u>
3585	PATIL NIKITA GANPAT	9922813865	<u>NPatil</u>
3586	PATIL PRAJAKTA PRAKESH	9307581301	<u>Prajakta</u>
3587	PATIL PRIYANKA SUDHIR	8308795290	<u>Pati</u>
3588	PATIL SAKSHI SANJAY	9175743657	<u>Sakt</u>
<b>3589</b>	<b>PATIL SHRADDHA BALASO</b>	8010736114	<u>Shraddha</u>
<b>3590</b>	<b>PATVEKAR ARSHIYA ARIP</b>	9860085413	<u>Patvekar</u>





	CHANDRAKANT		
3524	GAIKWAD PRANALI SUHAS	7420853651	<u>Pranali</u>
3525	GALVE KISHOR RAGHUNATH	8552802091	<u>Balve</u>
3526	GURAV PRAKASH SUNIL	8007243371	<u>Prakash</u>
3527	GHADAGE SAYALI NARAYAN	8767348679	<u>Ghadage</u>
3528	GHADAGE SHRADDHA DIPAK	9067131395	<u>Ghadage</u>
3529	GHAGADE ANISHA GORAKHI	7709726167	<u>Aghadage</u>
3530	GHARGE MAYURI NIVAS	7709451833	<u>Gyare</u>
3531	GIRI SATYAM RAJARAM	7720905404	<u>Giri</u>
3532	GURAV RUCHITA KRISHNAT	7499746957	<u>Gurav</u>
3533	HAJARI KISHORI DATTATRAY	8177965384	<u>Hajare</u>
3534	HKAMKAR SNEHAL HANMANT	9307853845	<u>Hkamkar</u>
3535	INGALE AKANSHA HANMANT	9623998203	<u>A.H. Ingale</u>
3536	JADHAV GANESH BABAN	9322315587	<u>Ganesh</u>
3537	JADHAV GAURI ANKUSH	9356012095	<u>Jadhav</u>
3538	JADHAV RUSHIKESH RAMESH	8483008069	<u>Rushikesh</u>
3539	JADHAV SAKSHI INDRAJEET	7057172224	<u>Jadhav</u>
3540	JADHAV VISHAKHA BAPUSO	7822861224	<u>Vyadhav</u>
3541	JAGDALE NIKITA VIJAY	8237233635	<u>Jagdale</u>
3542	JAMADAR SAJIDA SALIM	8698826469	<u>Jamadar</u>
3543	JARAG ROHINI MAHADEV	7499752578	<u>Rohini</u>
3544	JAWALE RENUKA DIPAK	8329600315	<u>Jawale</u>
3545	KADAM AKASH ARUN	8624092750	<u>Kadam</u>
3546	KADAM DHREERAJ ANANDA	8956790315	<u>Kadam</u>
3547	KALAMBE ANKITA ADHIKRAO	8000312579	<u>Kalamb</u>
3548	KALE ASMITA SATISH	7218428977	<u>Kale</u>
3549	KALE AVISHKAR MOHAN	705886507	<u>Kale</u>
3550	KALE TRUPTI SUNIL	8378922900	<u>Kale</u>
3551	KALEBAG SHRUTI KALEBAG	8805207133	<u>Kalebog</u>
3552	KALENTRE TEJASHWINI ASHOK	9834297209	<u>Kalentre</u>
3553	KANSE ANKITA AKARAM	7498992612	<u>Kanase</u>
3554	KARANDE PALLAVI PRAKASH	9604450644	<u>Karande</u>
3555	KAVADE SHUBHAM CHANDRAKANT	8554033694	<u>Kavade</u>
3556	KHADE ABOLI DATTATRAYA		





3591	PAWAR NAGESHWARI VIKAS	8956292738	N.V. Pawar
3592	PAWAR POOJA RAJU	8975221839	Pawar.
3593	PAWAR PRITI DADASAHEB	7841995591	Pawar.
3594	PAWAR SWAPNALI SUNIL	949407379	Swara
3595	PAWAR VAISHNAVI SATISH		
3596	SAGAR TRUPTI SUNIL	7219255923	Sagar.
3597	SALUNKHE PRANALI PRAKASH	7720936557	Praske
3598	SALUNKHE SHRADHA RAMESH	7522958835	S. Salunkhe
3599	SALUNKHE VISHWAJEET ARJUN	7499071233	Salunkhe.
3600	SAWANT ANIKET BABURAV	7219256128	Sawant.
3601	SAWANT HIMANSHU SANJAY	9322596338	Himant
3602	SAWANT SWAPAJA SHIVAJI	7666411045	Sawant
3603	SAYYAD SIMRAN IQBAL		
3604	SHEWALE SHUBHANGI TUKARAM	8767839095	Shewale
3605	SHINDE RASHIKA RAMCHANDRA	8379887329	Prashinde
3606	SHINDE SHEREYA SHRIKANT	7499405799	Shinde.
3607	SONALWALE ADINATH ANANDA	9421690494	Adinath
3608	SURVE RUTUJA BABASO	7057324272	R. Surve
3609	SUTAR SUPRIYA ARVIND	8623837731	Sutar
3610	SUTAR VAISHWANI DAYANAND	7447540895	Sutar.
3611	THORAT DIPIKA DILIP		
3612	UKIRDE SANKET RAJENDRA	965487312	Ukirde
3613	YADAV PRASAD RAJENDRA	9309938660	Yadav
3614	YADAV PRATIKSHA SATISH	9067625134	Yadav
3615	ZENDE RUTUJA SANTOSH	8067478230	R.S. Zende
3616	PAWAR ARCHANA BHIMRAO		
3617	KHARAT RUTUJA NANA	8767963407	R. Kharat
3618	UGALE POOJA SHRIMANT	8459900420	Pooja
3619	Sagare pallavi Arvind	7035687070	Sagare
3620			
3621			
3622	KHAIRATKHAN AALIYA ASIF	7721001847	Khairat Khan.
3623	Phutane Rutuja Dattatray	9527785761	Phutane



HEAD  
DEPARTMENT OF MICROBIOLOGY

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2021-2022

CLASS: B. Sc. III Microbiology

TOTAL NUMBER OF STUDENTS: 123

DATES OF STUDY TOUR: 21<sup>th</sup> May, 2022

PLACES OF VISIT: Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar

MODE OF JOURNEY: S. T. Bus

NAMES OF THE TEACHERS ACCOMPANYING:

- 1) Miss. K. A. Yadav
- 2) Miss. Mane P. V.
- 3) Mr. Sutar K. A.

DATE & TIME OF DEPARTURE FROM KARAD: 21<sup>th</sup> May, 2022; 10.00 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
21 <sup>th</sup> May, 2022 (10.30 a.m. 12.30 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Distillery Section, Yashwantnagar	Students gained knowledge about the distillation process and the role of microorganisms in the fermentation of alcohol.
21 <sup>th</sup> May, 2022 (2.0 p.m. 3.0 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Waste Treatment Section, Yashwantnagar	Students gained knowledge about waste management in the sugar industry.

DATE & TIME OF ARRIVAL AT KARAD: 21<sup>th</sup> May, 2022; 04.00 p.m.

Teacher in-charge



Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF MICROBIOLOGY**

**Field Visit/Study Tour Report**

**Academic Year (2021-22)**

**REPORT**

Name of the activity:	Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar
Date	21 <sup>st</sup> May 2022
Purpose of Program	To cultivate understanding of distillation and waste management of sugar factory.
Study Tour Inchange	Mr. K. A. Sutar
Total Beneficiaries	123 B.Sc. III Year Students
No. of Teachers Participated	03
Program outcomes	Students gained knowledge about the distillation process and the role of microorganisms in the fermentation of alcohol. Students gained knowledge about waste management in the sugar industry.



Visit of B.Sc. III year student to Sahyadri Co-operative Sugar Industry, Yashwantnagr, Tal- Karad, Dist- Satara

*[Signature]*

Tour In-charge



*[Signature]*

Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref : 2021-22/343

Date : - 20/4/2022

To,

The Principal,

Rajaram College, Kolhapur.

Respected Sir,

Our B.Sc. III (Electronics) students visited Electronics laboratory of your college. They observed and performed practical experiments satisfactorily in the Electronics department.

We are thankful to you for this co operation.

Thanking you ,

yours faithfully,

Principal,  
Yashwantrao Chavan College of Science  
Karad

*Dr. P. B. Laxmi*  
विद्यालय प्रमुख,  
इलेक्ट्रॉनिक्स विभाग  
राजाराव महाविद्यालय, कोल्हापूर.





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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B\*\* Level by NAAC, Bangalore

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

Ref no. 2021-22 / 342

Date : 18/04/2022 .

To,

The Principal,

Rajaram College, Kolhapur.

Subject :- About granting permission for visit to Electronics Laboratory.

Respected Sir,

We have industrial visit as a part of syllabus for B.Sc. III students. Hence we wish to visit Department of Electronics laboratory for observing & performing electronics experiments. Please grant us permission for visit.

The no. of students visiting will be 15 , two teachers will escort them.

Thanking you,

*Handwritten signature*  
विभाग प्रमुख,  
इलेक्ट्रॉनिक्स विभाग  
राजाराम महाविद्यालय, कोल्हापूर.

Yours faithfully,

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

## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD

Department of Electronics

Date: 18/4/2022

We following students of B.Sc. III are travelling on our own responsibility for industrial visit to Rajaram College Kolhapur on 20/4/2022.

Sr.No.	Student Name	sign	Mobile No.(student)	Mobile No.(Parent)
1)	Surve Shivani Sunil	<u>Surve</u>	8390969434	9422070631
2)	Pawar Ashwini Sanjay	<u>Pawar</u>	8329077787	9527931815
3)	Pawar Vaishnavi Arjun	<u>Pawar</u>	8862066091	9503413514
4)	Khabale Yogita Duesyodhan	<u>Khabale</u>	7387770964	9730847113
5)	Pawar Pratiksha Suresh	<u>Pratiksha</u>	7426933912	9850745359
6)	Panaskar Shrutika Vijay	<u>SP</u>	7249635054	7758905074
7)	Bhandare Varsha P.	<u>V.P. Bhandare</u>	9276080244	8805425371
8)	Deshmukh Chaitali Sambhaji	<u>Deshmukh</u>	7038940453	9730088154
9)	Kachare Aishwarya Ankush	<u>Kachare</u>	8830495482	9325783322
10)	Suryawanshi Siddhant	<u>SB</u>	9552662108	9137100067
11)				
12)				
13)				
14)				
15)				





# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD

**Department of Electronics**

**Date: 18/4/2022**

We following students of B.Sc. III are travelling on our own responsibility for industrial visit to Rajaram College Kolhapur on 20/4/2022.

Sr.No.	Student Name	sign	Mobile No.(student)	Mobile No.(Parent)
1)	Suryawanshi Siddhant	<u>SBS</u>	9552662108	9552664029
2)	Surve Shivani Sunil	<u>Surve</u>	8390969434	9422070631
3)	Pawar Ashwini Sanjay	<u>Pawar</u>	8329077787	9527931815
4)	Pawar Vaishnavi Arjun	<u>Pawar</u>	8862066091	9503413514
5)	Khabale Yogita Dnyodhan	<u>Yogita</u>	7387770964	9730847113
6)	Panaskar Shreetha Vijay	<u>S</u>	7249635054	7738905054
7)	Pawar Pratiksha Suraj	<u>Pratiksha</u>	7420933912	9850745359
8)	Deshmukh Chaitani Sambhar	<u>deshmukh</u>	7038940453	9730088154
9)	Kachare Aishwarya Ankush	<u>Akash</u>	8830495482	9325783322
10)				
11)				
12)				
13)				
14)				
15)				



YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD

DEPARTMENT OF ELECTRONICS

Industrial tour report to Shivaji University  
and Rajaram college Kolhapur

(20 April 2022)

Report by : Khabale Yogita Duseyodhan

Roll no: 3066

Head of department

**HEAD**

Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad

Examiner

Tour incharge

teacher





The department of electronics organized one day industrial visit to, SHIVAJI UNIVERSITY KOLHAPUR and RAJARAM COLLEGE KOLHAPUR on 20-4-2022 for B.SC third year students.

The visit was organized with the prior permission and guidance of Hon. Principal Dr. S.B. kengar and HOD of electronics department Sarwade M.P. and student of BSC third year accompanied with this industrial visit, total 13 students of class third year along with our teacher joined this industrial visit.

The details of journey are as follows:-

- 1) We started travelling from karad to Kolhapur at 9:00 AM on 20-04-2022.
- 2) We reached to Kolhapur at 11:00 AM.
- 3) At 11:30 AM we reached at shivaji university Kolhapur.

Department of electronics, one of the oldest and premier university in India.

As soon as we reached in university we were guided by assistance professor Mr.A.J. Pawar sir. Then they showed us the class rooms of MSC and laboratories. Dr.R.K. Kamath sir give us very useful information about future in electronics as well as carrier. We saw different laboratories like Embedded system. Communication power electronics and VLSI. In the laboratories there are very systematically arrangements.

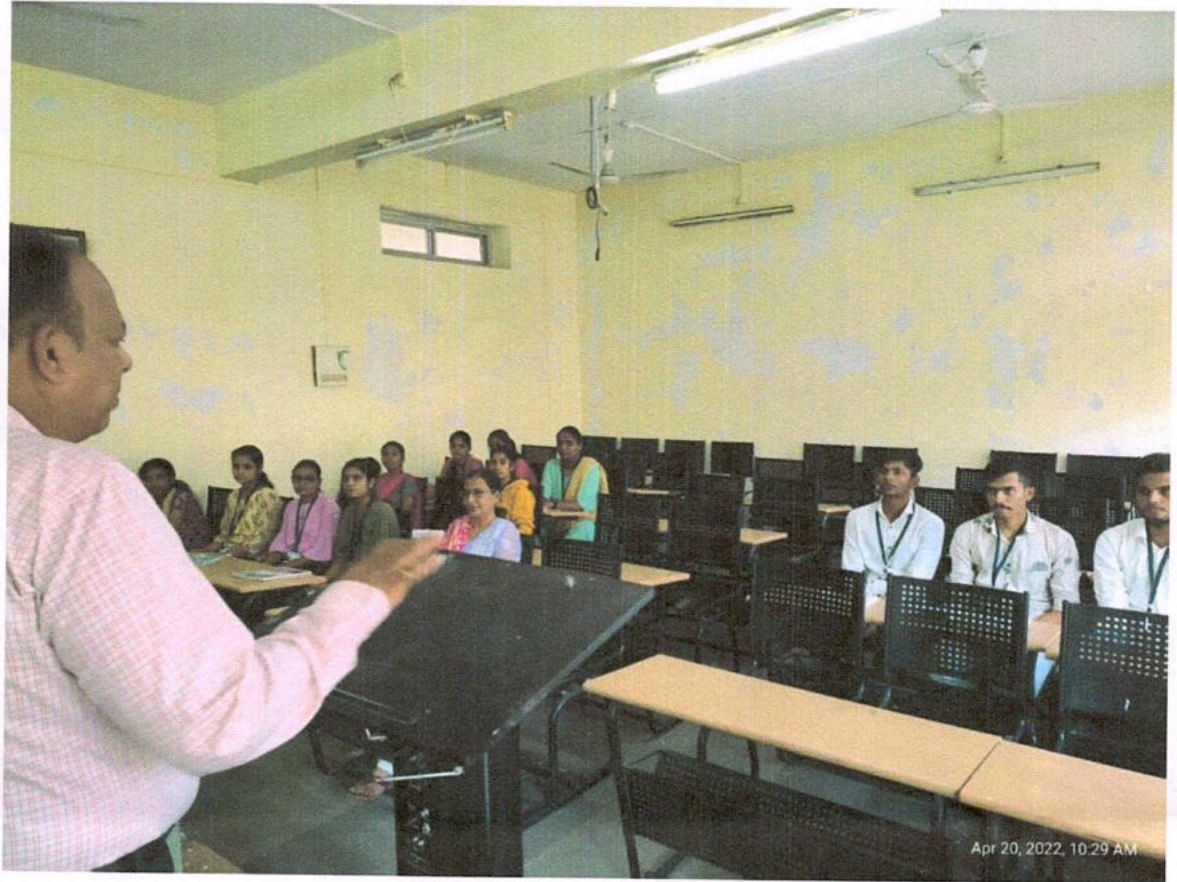




**Department of Electronics**







### M.Sc. Classroom

We saw the kit of antenna and pawar sir gives us information about kit. The department of electronics has well equipped computer laboratory.







**Communication Lab**







**Photo in VLSI Lab**

On the same day, after visiting university we visited Rajaram college Kolhapur. Lande sir, head of the electronics department showed us experiments named Yagi-uda 3 element simple dipole antenna and optical fiber numerical aperture. We had a great time experimenting there and got to see new things.

We arrived at 6 .00 clock on the same day.



दिनांक : 19/4/2022

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. खांबाले योगिता दुर्गोधान आपल्या महाविद्यालयात बी.एससी. भाग I/II / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळावे,

पालकाची सही



पालकाचे नाव

दुर्गोधान पांडुरंग खांबाले



दिनांक : 19-4-2022

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. देशमुख-धोताली संभाजी..... आपल्या महाविद्यालयात बी.एस्सी. भाग I/II / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळवे,

पालकाची सही S.S. Deshmukh.

पालकाचे नाव देशमुख सुनिता संभाजी

दिनांक :

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. पेशव्या अंकुश कचरे आपल्या महाविद्यालयात बी.एस्सी. भाग I/II / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळावे,

पालकाची सही

पालकाचे नाव

केतन बाजीराव डळवान  
रेखा बाजीराव डळवान



दिनांक :

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. पानसकर, प्रतीका विजय आपल्या महाविद्यालयात बी.एस्सी.  
भाग I/II / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची  
मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स  
डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती  
आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळवे,

पालकाची सही

Pratika

पालकाचे नाव

शरद नयुराम चव्हाण.

दिनांक : 19-4-2022

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. वर्षी पंजाबराव भंडारे आपल्या महाविद्यालयात बी.एस्सी. भाग X/II / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळावे,

पालकाची सही

P. B. Bhandare

पालकाचे नाव

पंजाबराव भंडारे



दिनांक 19/04/2022.

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. पवार आश्विनी संजय..... आपल्या महाविद्यालयात बी.एस्सी. भाग ~~I/II~~ / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळावे,

पालकाची सही .....

पालकाचे नाव पवार संजय शंकर.

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. वेण्णावी अर्जुन पवार..... आपल्या महाविद्यालयात बी.एससी.  
भाग ~~I/II~~ / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची  
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डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती  
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कळावे,

पालकाची सही AD Pavar.....

पालकाचे नाव पवार अर्जुन दादू



दिनांक : 19-4-2022

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. प्रतिक्षा सुरेश पवार..... आपल्या महाविद्यालयात बी.एस्सी. भाग I/II / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळावे,

पालकाची सही S.S. Pawar.....

पालकाचे नाव सुरेश पवार.....

दिनांक :

प्राचार्य,

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड.

महोदय,

माझा पाल्य श्री. / कु. सुर्वे शिवानी सुनिल आपल्या महाविद्यालयात बी.एस्सी. भाग ~~I/II~~ / III वर्गात शिकत आहे. त्याच्या अभ्यासक्रमात (Industrial Visit) हा भाग आहे. याची मला कल्पना आहे. शैक्षणिक सहलीतील अभ्यासक्रमासाठी राजाराम कॉलेज, कोल्हापूर इलेक्ट्रॉनिक्स डिपार्टमेंट येथे जाणार आहे. शैक्षणिक सहलीकरीता खाजगी वाहनाने प्रवास करण्यास माझी सहमती आहे. सहलीदरम्यान शिक्षकांच्या आज्ञेत राहण्याची सुचना आम्ही पाल्यास केली आहे.

कळावे,

पालकाची सही ..... सुर्वे शिवानी सुनिल .....

पालकाचे नाव सुर्वे सुनिल रविनकर





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:-

Date

To,

Mr. Avadhut Deshmukh

A3DXYZ Devices & System, Karad.

Respected Sir,

Our B.Sc.II or B.Sc.III (Electronics) Students visited to A3DXYZ Devices and System.

They Observed and learnt know hows of printer. Also they learnt functioning of printer.

We are thankful to you for this co operation.

Thanking You,

Yours faithfully,

**Principal**

Yashwantrao Chavan College of Science, Karad



Estd. 1958

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Yashwantrao Chavan College of Science, Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF ELECTRONICS

CERTIFICATE

*Industrial Visit 2021-22*

This is to certify that Mr./Miss. Desai Shriyash Sambhaji

of B.Sc. II class participated in the Industrial Visit organized by Department of Electronics in online mode to 3D Printer Workshop, GH Society, Karad

He/She has submitted his/her industrial visit report on 10 June 2022.

  
Tour In-charge

  
Examiner

  
HOD

**HEAD**

Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad



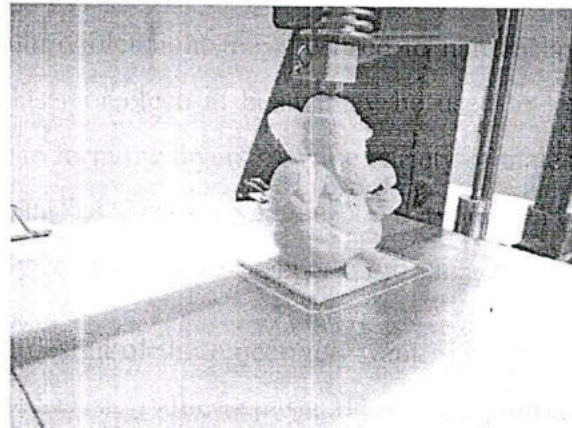
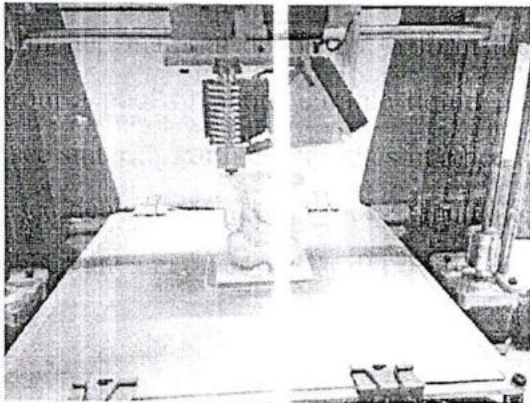
## TOUR REPORT

Department of Electronics arranged industrial visit in online mode on 7<sup>th</sup> June 2022. The aim of visit was to collect information about 3D printer.

As per program, Shri. R. S Deshmukh discussed valuable information about 3D printer with their steps of assembling, installation, working and testing.

A 3D printer, computerized device that produces a three-dimensional object by creating it as a series of thin layers. The object is created from a model stored in computer-aided design file; the model is sliced into hundreds or thousands of very thin horizontal layers using computer software, and each layer is sent to the 3D printer to be created successively until the entire object is formed. A number of different processes are used by 3D printers to create objects. Droplets of a melted material deposited to form the layers, ultraviolet light may be used to harden layers from a pool of photo curable liquid resin, or a laser or electron beam may be used to sinter (see sintering) or melt particles in a bed of powder to form the layers. A wide variety of materials used depending on the process, including thermoplastics, metals, ceramic powders, plaster, and chocolate and other foodstuffs. A 3D printer mainly consists frame, stepper motor, heater etc.

A 3D printing starts with making a virtual design of the object you want to create. This virtual design is made in a CAD (Computer Aided Design) file using a 3D modeling program (for the creation of a totally new object) or with the use of a 3D scanner (to copy an existing object). A 3D scanner makes a 3D digital copy of an object.





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF ELECTRONICS**

**CERTIFICATE**

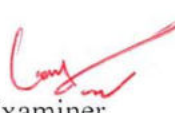
*Industrial Visit 2021-22*

This is to certify that Mr./Miss. Gurav Aditya krishnat.

of B.Sc. II class participated in the Industrial Visit organized by Department of Electronics in online mode to 3D Printer Workshop, GH Society, Karad

He/She has submitted his/her industrial visit report on 10 June 2022.

  
Tour In-charge

  
Examiner

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



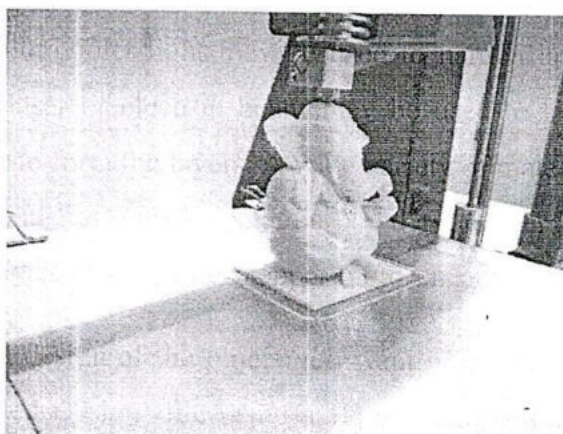
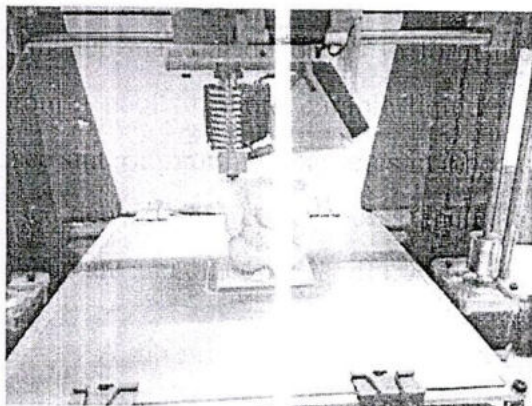
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# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

## **Study tour 2021-2022**

**(19-05-2022 One day)**

- 1) **Name of the Department** :- Biotechnology & Zoology
- 2) **Class & Subject for which Tour is arranged** :- B.Sc. Part III Biotechnology & Zoology
- 3) **No. of Students accompanying** :- 15
- 4) **Place of visits and approximate Distance of traveling** :- 180 Km.  
**Place** :- NCCS, Pune  
**Total Distance** :- 360 km. (approx)
- 5) **Date of departure and arrival**
  - a) Departure from Karad (19 May) :- 06.30 a.m.
  - b) Arrival at Pune (NCCS) (19 May) :- 11.00 a.m.
  - c) Visit to (NCCS Pune) :- 11.00 a.m. to 02.00 p.m.
  - d) Visit to (Rajeev Gandhi National Park) :- 03.00 p.m. to 05.00 p.m.
  - f) Departure from Pune (19 May) :- 5.30 p.m.
  - g) Arrival at Karad. (19 May) :- 10.00 p.m. (Approx)
- 6) **Mode of Journey** :- Hired vehicle
- 7) **Name of the Staff** :- Miss S. A. Shikalgar,  
(Biotechnology)  
Mrs. Amruta Padule,  
(zoology)
- 8) **Name of non-teaching staff accompanying tour** :-

**(Tour in-charge)**  
**Biotech**

**(Tour in-charge)**  
**Zoology**





Estd. 1958

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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

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

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

### Department of Zoology B.Sc. III Study tour 2021-22

#### UNDERTAKING

Date: - 19/05/2022

We the undersigned students of B.Sc. III (~~Zoology~~) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	3651	Chavan Sudarshan Balkrishna	8766749372	7620732219	<i>[Signature]</i>
2	3652	Gorkha Omkar Dattasingh	9370678089	7447566694	<i>[Signature]</i>
3	3653	Mulani Muskan Ahamadali			
4	3654	Salunkhe Suraj Ishwar	8767424547	9850857946	<i>[Signature]</i>
5	3655	Shinde Kajal Hanmant	9309736147	9325319602	<i>[Signature]</i>

*[Signature]*  
Teacher In-charge



*[Signature]*  
Principal



**Yashwantrao Chavan College of Science, Karad.**  
**Department of Zoology**  
**B.Sc. III Study tour 2021-22**  
**Students and Staff List**  
**Study tour to NCCS Pune**

<b>Sr. No.</b>	<b>Roll No.</b>	<b>Name of the student</b>
1	3651	CHAVAN SUDARSHAN BALKRISHNA
2	3652	GORKHA OMKAR DATTASINGH
3	3653	MULANI MUSKAN AHAMADALI
4	3654	SALUNKHE SURAJ ISHWAR
5	3655	SHINDE KAJAL HANMANT
6		[Staff]



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2021-2022

CLASS: B. Sc. III Zoology

TOTAL NUMBER OF STUDENTS: 05

DATES OF STUDY TOUR:

19<sup>th</sup> may, 2022

PLACES OF VISIT:

NCCS, PUNE

MODE OF JOURNEY:

Hired Vehicle


NAMES OF THE TEACHERS ACCOMPANYING: 1) Mrs .Amruta Padule

DATE & TIME OF DEPARTURE FROM KARAD: : 19th may, 2022 6 am


DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
19th may, 2022 11 am to 2 pm	: NCCS, PUNE	Students gained knowledge about cell biology
19th may, 2022 3 pm to 5 pm	Rajiv Gandhi National Park	Students gained knowledge about animal biodiversity

DATE & TIME OF ARRIVAL AT KARAD: : 19th may, 2022 10 pm

  
Teacher in-charge



  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad





Estd. 1958

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

## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

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UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

Ref No. : Biochem/ /2021-22

Date: ~~16~~/06/2022

To,

**The Managing Director,  
Sahyadri Sahakari Sakhar Karkhana Ltd.,  
Yashwantnagar, Karad.**

**Subject: - Educational visit of B.Sc. Part - II Biochemistry students.**

Sir,

As a part of educational tour a group of B.Sc. Part II Biochemistry students twenty three (23) from this college accompanied by their teachers (2) wish to visit your industry on **Thursday, 10<sup>th</sup> June.,2022**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,



Teacher incharge



Principal,  
Yashwantrao Chavan College  
of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**B.Sc.II –Study Tour**

Date- 06/06/2022

The students of B.Sc. II (Biochemistry) are here by informed that one day's study tour is arranged to Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar, on 10/06/2022.

All should come with Identity card, note book & pen. Study tour is **Compulsory** as per university syllabus.

All concerned should note follows.



Course Co-ordinator,

Department of Biochemistry





**Yashwantrao Chavan College of Science, Karad**  
**Department Of Chemistry**

**STUDY TOUR PROGRAMME**

Year 2021 -2122

LAB/F-17

CLASS: B.sc. II

TOTAL NUMBER OF STUDENTS: 21

DATE OF STUDY TOUR: 10/06/2022

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPAINING: Mr.S.H. Burugale

Miss Panwal N.R.

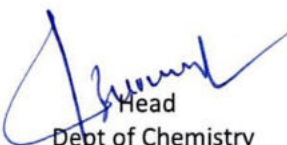
DATES & TIME OF DEPARTURE FROM KARAD: 10/06/2019 Time- 10 am

DATES & PLACES OF VISIT :

1. Arrival to Sahayadri Sakhar Kharkhana
2. Visit to distillary
3. Visit to ETP

DATE & TIME OF ARIVAL AT KARAD-:10/06/2019 Time-6 pm

  
Teacher in- Charge

  
Head  
Dept of Chemistry  
**Head**  
**Department of Chemistry**  
**Yashwantrao Chavan College of**  
**Science, Karad**

  
Chairmn  
Tour committee



## Department of Chemistry and Biochemistry

### B.Sc. II Study tour 2021-2022

Sr no	Roll No	Name of student	Student sign
1	2406	BADEKAR SHUBHAM PRASHANT	<u>Shubham</u>
2	2407	CHAUGHULE ARIYAN RAJKUMAR	<u>AR</u>
3	2408	DHEB RUPALI NATHURAM	<u>DRN</u>
4	2409	GURAV VISHWAMBAR SUNIL	<u>Gurav</u>
5	2410	HANKARE PARUSHURAM ANIL	<u>H.P.A.</u>
6	2411	JADHAV SHREYASH RAJESH	<u>Shreyash</u>
7	2412	JADHAV SURAJ DILIP	<u>PSD</u>
8	2413	JADHAV SWETA SHSHIKANT	<u>SSS</u>
9	2414	JADHAV TEJASVINI SUDHAKAR	<u>Tejasvi</u>
10	2415	JAGTAP VAISHANAVI SANJAY	<u>Vaishnavi</u>
11	2416	JAMBHALE SANSKRUTI SUBHASH	<u>Sanskriti</u>
12	2417	KARAPE DHANSHRI MAHADEV	<u>Dhanshri</u>
13	2418	LOHAR VISHAL BHAGWAT	<u>Vishal</u>
14	2419	MALAVE PRANALI VAMAN	<u>Pranali</u>
15	2420	MANE KALYANI DHANAJI	<u>Kalyani</u>
16	2421	NALAWADE PRATIKSHA RAJENDRA	<u>Pratiksha</u>
17	2422	PATIL MAYURESHWAR HANMANT	<u>MHPatil</u>
18	2423	POL RUTUJA SUBHASH	<u>Pol</u>
19	2424	SALUNKHE PRANITA SANJAY	<u>Pranita</u>
20	2425	SALUNKHE PRATHMESH VAMAN	<u>Salunkhe.P.V.</u>
21	2426	SAPKAL SANIKA DHANAJI	<u>Sapk</u>
22	2427	SAPKAL SUPRIYA SANJAY	<u>Supriya</u>
23	2428	SHEWALE PRYANKA KASHINATH	<u>SPK</u>





# Yashwantrao Chavan College of Science, Karad

## Department Of Chemistry

### STUDY TOUR REPORT

Year 2021 - 2022

LAB/F-18

CLASS: B.Sc . II

TOTAL NUMBER OF STUDENTS: 23

DATES OF STUDY TOUR: : 10/06/2022

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPANYING: Mr.S.H. Burugale

Miss N.R Panwal

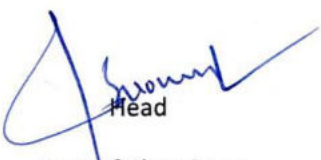
DATES & TIME OF DEPARTURE FROM KARAD: 10/06/2022 Time- 10 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
10/06/2022 Time- 10 am	Visit to Distillary	Actual Process of fermentation
10/06/2022 Time- 2 pm	Visit to ETP	Effluent Treatment plant
10/06/2022 Time – 4pm	Visit to Yeast Propagation unit	Clarifier, Aeration test

DATE & TIME OF ARIVAL AT KARAD:10 /06/2022 Time-6 pm

  
Teacher in- Charge

  
Head  
Dept of Chemistry  
**Head**  
**Department of Chemistry**  
**Yashwantrao Chavan College of**  
**Science, Karad**

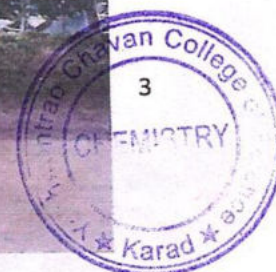
  
Chairmn  
Tour committee



## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Study Tour Report 2021-2022  
(10/06/2022)

- |  |                         |
|--|-------------------------|
| 1) Name of the department  | :- Biochemistry         |
| 2) Class & subject for which tour is arranged                                  | :- B.Sc.II Biochemistry |
| 3) No. of students accompanying  | :- 23                   |
| 4) Place of visit and approximate distance                                     |                         |
| Distance Of traveling  | :- 10                   |
| Place  | :- Yashwantnagar        |
| Total distance   | :- 20                   |
| 5) Date of departure and arrival.  | :-                      |
| a) Departure from karad (10 jun)   | :- 10am                 |
| b) Arrival at Sahyadri Sahakari Sakhar<br>karkhana Ltd, Yashwantnagar.(10 jun) | :- 11am                 |
| c) Arrival at karad  | :- 6pm                  |
| 6) Mode of Journey   | :- Hired vehical        |
| 7) Name of the Staff   | :- Mrs. Panwal.N.R      |







Estd. 1958

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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. / /2022-23

Date: 21/ 01/ 2023

To

The Manager,

Gadre Industries Ratnagiri,

Ratnagiri. Maharashtra.

**Sub: -** Request for permission to visit your fish product industry and prawn culture farm.


Respected Sir


As a part of educational tour, B.Sc. III Biotechnology (15) from our college accompanied by two faculty members, wish to visit your reputed organization (fish product industry and prawn culture farm) on 24/01/2023.

I request you to grant the permission for visit.

Thanking You.

Regards

  
Teacher in-charge

  
Principal  
Yashwantrao Chavan College of Science  
Karad  
Dr.S.B.Kengar

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD  
DEPARTMENT OF BIOTECHNOLOGY

**B. Sc. III – Study tour**

Date: 23.01.2023

The students of B.Sc. III (Biotechnology) are here by informed that two day's study tour is arranged to **Gadre Industries Pvt. Ltd., Ratnagiri** on **Tuesday, 24<sup>th</sup> & 25<sup>th</sup> January 2023.**

All should come with Identity Card, note book & Pen. Study tour is **compulsory** as per university syllabus.

All concerned should note and follows

*S. S. Nalawade*  
Teacher in charge  
(Mrs. S. S. Nalawade)

*S. S. Nalawade*  
Course Co-ordinator,  
Department of Biotechnology





# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

## Study tour 2022-2023

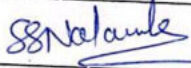
(24-01-2023 to 25-01-2023)

- 1) Name of the Department :- Biotechnology
- 2) Class & Subject for which Tour is arranged :- B.Sc. Part III Biotechnology
- 3) No. of Students accompanying :- 15
- 4) Place of visits and approximate Distance of traveling :- 150 Km.  
Place :- Ratnagiri  
Total Distance :- 300 km. (approx)
- 5) Date of departure and arrival
  - a) Departure from Karad (24 Jan) :- 06.00 a.m.
  - d) Arrival at Ratnagiri (24 Jan) :- 10.30 p.m. (approx)
  - e) Arrival at Gadre Industry & Aquarium. (24 Jan) :- 11.30 a.m.
  - f) Arrival at Gadre Prawn Culture. (24 Jan) :- 02.30 a.m.
  - g) Departure from Ratnagiri (25 Jan) :- 4.00 p.m.
  - h) Arrival at Karad. (25 Jan) :- 8.00 p.m. (approx)
- 6) Mode of Journey :- Hired vehicle
- 7) Name of the Staff :- Mrs.S.S.Nalwade
- 8) Name of non-teaching staff accompanying tour :- Mr. S.S. Nikam

  
(Tour in-charge)



**Yashwantrao Chavan College of Science, Karad.**  
**Department of Biotechnology**  
**B.Sc. III Study tour 2022-23**  
**Students and Staff List**  
**Study tour to Ratnagiri.**

Sr. No.	Roll No.	Name of the student
1	3361	JAGDALE PRANAV ANANDRAO
2	3362	MUJAWAR ARSH AMIR
3	3363	PAWAR GAURI SAMBHAJI
4	3364	VIBHUTE PRANALI SAYAJI
5	3365	MAHAJAN SAKSHI VINAYAK
6	3366	JADHAV RUTUJA ARUN
7	3367	SHINDE POOJA DATTATRAY
8	3368	JADHAV ANUSHKA SANTOSH
9	3369	SAWAKHANDE SHREYA SIDHARTH
10	3370	THORAT SHIVTEJ VISHWAJIT
11	3371	LADE PIYUSHA PRAVIN
12	3372	PATIL ANKITA ARUN
13	3373	PATIL SARTHAK ANANDRAO
14		NIKAM AKANKSHA ASHOK
15		JADHAV OMKAR SHARAD
		 [Staff] Mrs. S.S. Nalawade
		[Staff]





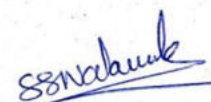
**Yashwantrao Chavan College of Science, Karad**  
**Department of Biotechnology**  
**B.Sc. III Study tour 2022-23**

**UNDERTAKING**

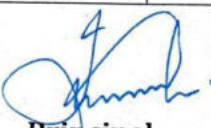
Date: - 24/01/2023

We the undersigned students of B.Sc. III (Biotechnology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	3361	JAGDALE PRANAV ANANDRAO	9607775627	9156131814	P Jagdale
2	3362	MUJAWAR ARSH AMIR	9373168592	8275367786	Mujawar
3	3363	PAWAR GAURI SAMBHAJI	9730708330	7350335928	Pawar
4	3364	VIBHUTE PRANALI SAYAJI	7397890601	9096136600	Pranali
5	3365	MAHAJAN SAKSHI VINAYAK	8530496948	8888954162	Sakshi
6	3366	JADHAV ARUN RUTUJA	8080906983	9518743526	Rutuja
7	3367	SHINDE POOJA DATTATRAY	9529277109	9922899303	Pooja
8	3368	JADHAV ANUSHKA SANTOSH	7620385990	8788465433	Anushka
9	3369	SAWAKHANDE.SHREYA SIDHARTH	9923404002	9823031307	Sawakhande
10	3370	THORAT SHIVTEJ VISHWAJIT	9024489030	9767157266	Thorat
11	3371	LADE PIYUSHA PRAVIN	8862039038	9049573778	Pade
12	3372	PATIL ANKITA ARUN	7841045832	7842045833	Patil
13	3373	PATIL SARTHAK ANANDRAO	7666328021	9545565016	Patil
14		NIKAM AKANKSHA ASHOK	7350417413	7875967413	Nikam
15		JADHAV OMKAR SHARAD	8767100716	9373112077	Jadhav

  
**Teacher In-charge**  
 (Mrs. S.S. Nalawade)



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

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

## **Department Of Biotechnology**

### **STUDY TOUR PROGRAMME**

LAB/F-17

**Year 2022-2023**

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS:15

DATES OF STUDY TOUR: 24/01/2023 and 25/01/2023

PLACES OF VISIT: 1) Gadre Marine Pvt. Ltd. Ratnagiri

2) Gadre Shrimp Farm, Ratnagiri

MODE OF JOURNEY: Private Traveller Bus.

NAMES OF THE TEACHERS ACCOMPANYING: Mrs. Nalawade S. S.

Mr. Nikam S.S.

DATES & TIME OF DEPARTURE FROM KARAD: 24/01/2023 Time:- 06:30 am

DATES & PLACES OF VISIT:


1) 24/01/2023 Gadre Marine Pvt. Ltd. Ratnagiri.


2) 24/01/2023 Gadre Shrimp Farm, Ratnagiri.

3) 25/01/2023 Devbag Island, Malvan.

4) 25/01/2023 Tarkarli Beach, Malvan.

DATES & TIME OF ARRIVAL AT KARAD:- 25/01/2023 Time:- 11:45pm

  
Teacher in- Charge

  
Head  
Dept of Biotechnology

  
Chairman  
Tour Committee





# Yashwantrao Chavan College of Science, Karad

## Department Of Biotechnology

### STUDY TOUR REPORT

Year:-2022-2023

LAB/F-  
18

CLASS: B.Sc. III

TOTAL NUMBER OF STUDENTS: 15

DATES OF STUDY TOUR:24/01/2023 and 25/01/2023

PLACES OF VISIT:1) Gadre Marine Pvt. Ltd. Ratnagiri

2) Gadre Shrimp Farm, Ratnagiri

MODE OF JOURNEY:Private Traveller Bus.

NAMES OF THE TEACHERS ACCOMPANYING:Mrs. Nalawade S. S.

Mr. Nikam S.S.


DATES & TIME OF DEPARTURE FROM KARAD:24/01/2023 Time:- 06:30 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
24/01/2023	Gadre Marine Pvt. Ltd. Ratnagiri.	Surimi Process Unit, Crab Stick manufacturing Unit
24/01/2023	Gadre Shrimp Farm, Ratnagiri.	Unit of Prawn Culture
25/01/2023	DevbagMalvan.	Island
25/01/2023	TarkarliMalvan	Beach

DATE & TIME OF ARRIVAL AT KARAD:25/01/2023 Time:- 11:45pm

  
Teacher in-charge

  
Head  
Department of Biotechnology





**TRIP 2022-2023 (Gadre Industries Pvt. Ltd, Ratnagiri- Prawn Culture)**







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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, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Date: 11 /02/2023

To,  
The Principal,  
Yashwantrao Chavan College of Science, Karad.  
Karad.

**Subject:** Permission for B.Sc. III students to go on a study tour to Chunakolvan, Kankavali and Achara.

Respected Sir,

I am writing to request your permission to organize study tour to Chunakolvan, Kankavali and Achara for B.Sc. III geology students of our college. As you are aware, study tours are part of syllabus and essential part of a students learning experience. We are organizing this study tour to provide a wonderful opportunity to obtain practical understanding about numerous aspects of rock science, structural geology and Indian geology. We plan to take about 08 students of B.Sc. III geology along with three faculty members on 17<sup>th</sup> February 2023. Please allow for the same.

This visit will be conducted under guidance of following faculty members-

1. Dr. R.V. Desai (Study tour Incharge)
2. Mr. A.A. Lole
3. Ms. P. K. Madane

Thanking You,




Principal

Yashwantrao Chavan College of Science  
Karad



Yours Faithfully

  
Head  
Department of Geology  
Yashwantrao Chavan College of Science  
Karad.



Estd. 1958

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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

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

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

Date-14.02.2023

To,

Whomsoever it may Concern

Respected Sir,

Seven students (02 Boys and 05 Girls) of B.Sc. – III Geology of our college are on their Geological study tour to Chunakolvan, Kankavali, Achara on 17<sup>th</sup> February 2023.

They are accompanied by Dr. R. V. Desai and Prof A. A. Lole.

Please kindly co-operate them wherever necessary.

Student List is enclosed herewith.

Thanking you

Sr.No.	Roll No	Name of the Students
1.	3341	Jagdale Gayatri Dattatray
2.	3342	Alat Sunita Balu
3.	3343	Gade Rajani Shivaji
4.	3344	Gurav Babynanda Mahadev
5.	3345	Thantharate Ansh Ravindra
6.	3346	Jadhav Kalyani Sagar
7.	3347	Vetal Omkar Shivaji



Your Faithfully

Principal,  
Yashwantrao Chavan College  
of Science, Karad



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE: 01.07.2015	REF. NO.: YCCSK/LAB/F – 15
PAGE	REV. NO.: 00

## STUDY TOUR PROGRAMME

Year 2022 - 2023

Class: B.Sc. III

Total Number of Students: 07

Dates of Study Tour: 17/02/2023

Places of Visit: Chunakolvan, Kanakavali and Achara

Mode of Journey: Cruiser

Names of The Teachers Accompanying: Dr. R. V. Desai

Mr. A. A. Lole


Miss P. K. Madane

Date & Time of Departure From Karad: 17/02/2023; 05:30 am


Dates & Places of Visit: Date – 17/02/2023

1. Chunakolvan
2. Kanakavali
3. Achara

Date & Time of Arrival at Karad: 17/02/2023; 09:00 pm

  
Teacher in-charge



  
Head  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.

# **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

DATE: 01.07.2015	REF. NO.: YCCSK/LAB/F – 15
PAGE 1 OF 1	REV. NO.: 00

## **STUDY TOUR REPORT**

**Year 2022 - 2023**

**Class: B.Sc. III**

**Total Number of Students: 07**

**Dates of Study Tour: 17/02/2023**

**Places of Visit: Chunakolvan, Kanakavali and Achara**

**Mode of Journey: Cruiser**

**Names Of The Teachers Accompanying: Dr. R. V. Desai**

**Mr. A. A. Lole**

**Miss P. K. Madane**

**Date & Time of Departure From Karad: 17/02/2023; 05:30 am**

**Dates & Places of Visit:**

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
17/02/2023	Chunakolvan, Kanakavali and Achara	Nodular limestone, slate, Autoclastic Conglomerate, Ripple marks were studied on the trip

**Date & Time of Arrival At Karad: 17/02/2023; 09:00 pm**

  
**Teacher in-charge**



  
**Head of the Department**  
**Department of Geology**  
**Yashwantrao Chavan College of Science,**  
**Karad**



**YASHWANTRAO CHAVAN COLLEGE OF**

**SCIENCE, KARAD**


**DEPARTMENT OF GEOLOGY**

**STUDY TOUR REPORT**

**B.Sc. III**

**Feb. 17, 2023**

  
Name and Sign of Tour Incharge:

  
Head of Department:  
Department of Geology  
Yashwantrao Chavan College of Science,  
Karad.



### **Acknowledgement:**

My sincere thanks to **Dr. S.B. Kengar Sir** (Principal, Yashwantrao Chavan College of Science, Karad) for their kind permission for this field work.

It is a very great pleasure to express my deep sense of gratitude to **Dr. R. V. Desai sir** for arranging study tour to Kanakavali. I am extremely grateful for his invaluable guidance, moral support, encouragement, and good wishes throughout this field work.

I reserve my special thanks to **Prof. A.A. Lole sir** for their guidance and help in field work.

My sincere thanks are also due to **Prof. A.V. Shelar Sir, Prof. S.M. Thorat Sir and Prof. S. Mule Sir** for their active help.

I'm also thankful to Lab Asst. of my department **Shri Dhanaji Bhosale sir**.

Last but not the least; I want to express my deepest gratitude to my **Family** for giving permission to participate in this study tour.





## **Introduction:**

This year we had been to Kankavali for our geological field study. During this we have visited number of places of Geological interest.

We carried out field work at and around Rajapur (District Ratnagiri) and Kankavali of Sindhudurg district of Maharashtra. The region consist of number of hills & valleys The Gad river flows near Kankavali & join Arabian Sea towards Sea towards west. The general stratigraphy of Kankavali is given below.

**Recent Soil**

---

**Lateritic Soil**

---

**Deccan Trap**

---

**Kaladagi Supergroup**

---

**Dharwar Supergroup**

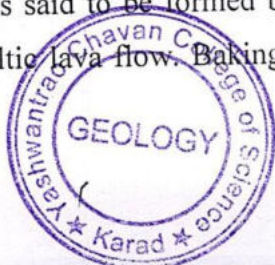
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**Peninsular Gneissic Complex**

## **Field Work At Amba Ghat:**

The younger laterite is occurring on the top of most of hills. It is typical residual rock of sedimentary origin. It is derived from basaltic lava flows on account of differential chemical weathering of basalt under tropical climates i.e. high rainfall, high temperature and high humidity in this region. It is nothing but the residue left after chemical weathering it is reddish iron rich pores rock. It is used in Konkan area for preparation of bricks for building purpose. It is pores & permeable rock.

In the Amba ghat section different lava flows of basalt of Cretaceous to Paleocene age are exposed. Two lava flows are separated by red clayey layer which is called as 'Red Bole'. It is said to be formed by baking of sediments formed due to weathering of older basaltic lava flow. Baking effect because of upcoming younger



lava imparts red colour to sediments (**Plate 1**). Basalt is gray in colour, hard and compact with fractures. Joints are interconnected with each other which are helpful for groundwater movement and also increase secondary porosity of the rock. Spheroidal weathering is also observed at many places in ghat section.

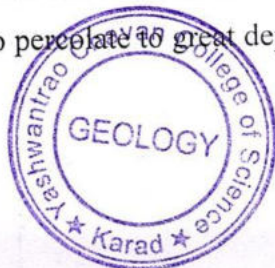
#### **Field Work At Chunakolvan:**

Metamorphic rock slate (**Plate 2**) is best exposed in the stream cutting near Chunakolvan of Ratnagiri district. Slate of Chunakolvan are of Proterozoic in age and equivalent to or its an extension of Kaladgis of Karnataka. Slates are formed by cataclastic metamorphism of argillaceous rock like shale. Strike direction of slate bed is E-W with 30 deg. dip towards south.

#### **Unhale Hot Spring:**

One interesting feature of Konkan coastal belt is the presence of hot water springs arranged in a fairly narrow linear belt from north of Mumbai to Ratnagiri area in the south. They occur somewhat midway between the Western Ghat Escarpment and the coast. Few names from north to south- Vajreshwari, Akoli kund, Ganeshpuri, Pali, Dasgaon, Unhere, Tural, Aaravali, Rajapur. During our field visit we came across one of these hot spring known as Unhale (Rajapur) hot spring. Unhale hot water spring is located in the Unhale village near Rajapur city. This hot water spring is on the floodplain of Kondavi river.

Water temperatures are between 50 deg C to 75 deg C. Interestingly, analysis shows significant levels of radon gas at measured sites near Tural. Presence of radon gas hints at the reason why there are hot springs here. It points to deep circulation of water. The crust in this region is made up of a foundation of older Precambrian age granitic rocks overlain by several hundred meters of younger basalt of Late Cretaceous to Paleocene age (67-65 million years old). Radon forms by radioactive decay of uranium. The Deccan Basalts contain only tiny amounts of uranium. Granites on the other hand are enriched in uranium. Radon emission here imply that these fractures cut through the basalt pile and penetrate the 2 billion years and older granitic rocks underlying these basalts. Such fracture systems have provided a passageway for groundwater to percolate to great depths. Cool water comes in contact





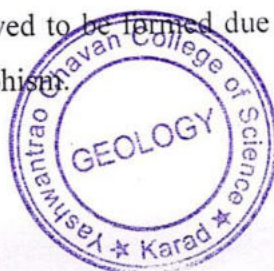
with hot rocks deep below and gets heated. This warmer buoyant water then rises to the surface, forming a hydrothermal circulation system.

### **Field Work Around Janavali:**

Janavali is the tributary of Gad river flow in east- west direction. The Banded Hematite Quartzite (BHQ) (**Plate 3**) are very well exposed at small hillock along bank of Janavali river. The separate bands of hematite and Quartzite's are clearly observed in this rock. This rock is the product of regional metamorphism of ferruginous sandstone.

### **Field Work Around Kanakavali:**

- 1] **Granite Gneiss:** Near kankavali town gray coloured granite gneiss is exposed in Gad river (**Plate 4**). It is well crystalline & show gneissose structure. It often contains, well marked bands of micaceous mineral. It is well jointed. Pot holes are common in the river bed in this rock. Intrusion of dolerite dyke into granite gneiss & it is seen well exposed in Gad river. It is about 40 feet thick & is well jointed, The margin of dykes show chilling effect with a finer grain size. The grain size of dolerite increases towards center.
- 2] **Hornblende Schist:** The rock is well exposed in Gad river near village Pise Kamthe. These rocks are also called as amphibolite (**Plate 5**). The rocks strike N-S & show high angle dip. Strong folding is also observed in this rocks. Hbl schist are black coloured rocks with marked schistose structure.
- 3] **Pegmatite intrusion:** Amphibolite rock is intruded by number of pegmatites material along schistose planes & converted amphibolites at place into granitic nature. Pegmatite veins are mostly leucocratic pink in colour with coarse grained crystals of quartz and orthoclase. Ptygmatic folding is very common in all the veins (**Plate 6**).
- 4] **Autoclastic conglomerates:** The rocks are well exposed in Gad river bed near village Gothane (**Plate 7**). Here the lenticular or ablong little flatten rod's of Quartzites are mixed in a hbl schist or amphibolitic giving rise to conglomeratic nature. The Quartzite rods show common orientation parallel to schistose. The autoclastic conglomerates is believed to be formed due to flattening & elongation of Quartzitic blocks during metamorphism.



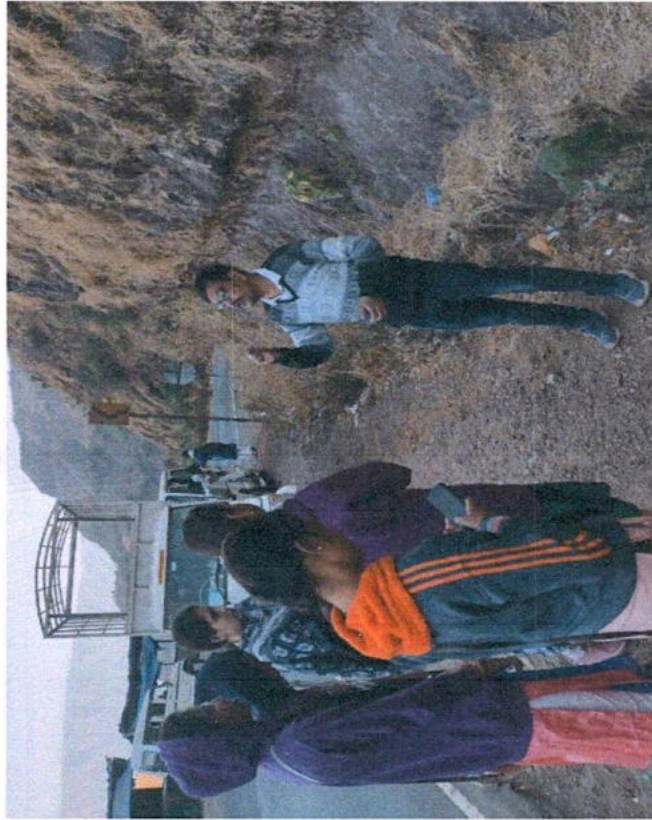
### **Eparchean Unconformity near Shravan:**

Well known Eparchean/Unconformity is observed near Shravan in Gad river (Plate 8). Unconformity separates older Archean rocks and younger Proterozoic rocks. Archean rocks like hornblende schist are of Dharwar Supergroup while Proterozoic sandstone is from Kaladagi Supergroup. Basal conglomerate is marked between two rock formations. Ripple marks are also found on the top of younger strata of sandstone (Plate 9).

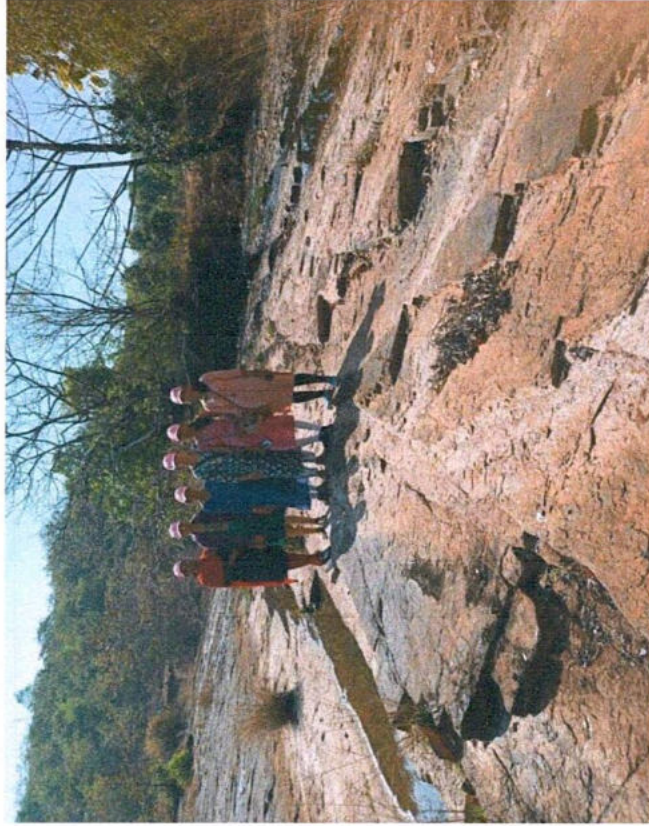




**Plate 1: Basalt and Red bole contact exposed at Amba Ghat, Dist. Kolhapur.**



**(Plate 2): Slates of Chunakolván, Dist. Ratnagiri.**





**(Plate 3): Banded Hematite Quartzite (BHQ) exposure at Janavali,  
Dist. Sindhudurg.**



**(Plate 4): Contact of Granite Gneiss and Pegmatite dyke near  
Kankavali, Dist. Sindhudurg.**

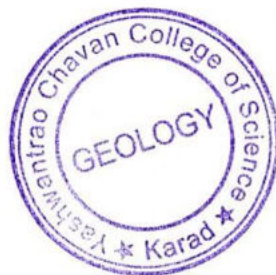




**(Plate 5): Hornblende Schist outcrop at Pise Kamathe, Dist. Sindhudurg.**



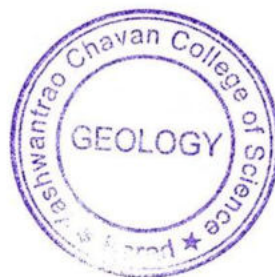
**(Plate 6): Intrusion of Pegmatite veins in Hornblende Schist at Pise Kamathe, Dist. Sindhudurg.**



**(Plate 7): Autoclastic conglomerate at Gothane, Dist. Sindhudurg.**



**(Plate 8): Eparchean Unconformity near Shravan, Dist. Sindhudurg.**





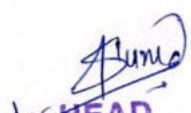
**(Plate 9) Ripple marks in Sandstone near Shravan, Dist. Sindhudurg.**



**Yashwantrao Chavan College of Science, Karad**  
**Department Of Mathematics**  
**List of Students**  
**Tour (2022-23)**

<b>Roll No.</b>	<b>Name of the Student</b>
3421	Jadhav Punam Ashokrao
3422	Mane Nayan Rajendra
3423	Nangare Sayali Sanjay



  
for **HEAD**  
Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad



**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

**B.Sc. III (2022-23)**

**"A TOUR REPORT"**

**Submitted by**

**Name – JADHAV PUNAM ASHOKRAO**

**Roll No.- 3421**

**EXAM SEAT NO.-**

**Examiner**



**Head**

**HEAD**

**Department of mathematics**  
Yashwantrao Chavan College of Science,  
Karad

## REPORT

It's my great pleasure that I got a chance for study tour arranged by the department of mathematics to Rajaram Bapu Institute of Technology (RIT). Islampur, Dist-Sangli on 13 December 2022.

Aim: To know the student about RIT facilities and faculty in RIT, some information of library and librarian.

1) Introduction by Krushnaji Patil, Give details about scheduled during the day 2) Head of MBA Dept: Hemalata Gaikwad Madam (Business Analysis 11 R Research, Market)

She tells about Human Resource Management. She told that everybody have different learning and teaching ability. For this he showed the story of a peacock in the land of Penguins. Further she said that in the today's life there must be multitasking skill. E.g. Mother play multitasking role as a financial, inventory and management. Also she told that when you working then observe skills and implement our self then organization will develop. Student must test how they can learn. Also show video of movie "3 Idiots" about how to learn and how to teach? To develop analytical skills a course about Microsoft started for in-campus and off-campus students. If you leadership position then you have more skills working people below you. Student must learn about time management skill.

i) Communication    ii) Office skill    iii) Domain knowledge software lab

MBA Dept has SPSS Software.

Research Lab 1) software Lab 2) MS-Excel Lab 3) Language Lab

• Krushnaji Patil

Dealing with exam stress

Everybody in life face exams to prove himself for his skills graph of result from 10<sup>th</sup> onwards in downwords.



1) Learn through experience video of 3 Idiots 2) Listen and observe the things 3) How can be avoid carelessness 4) How to be tension and stress free Video 5) Relaxation- Mr Bean Video about exam 6) Concluded by prepare for exam very well and get success in life .3

- Career Guidance Program (Madhav Tilve)

Give lecture on Career Guidance Program

Career Option after the Graduation-1) Jobs/PVT 2) Higher Education 3) Business small large 4) Free lancing

- 1) Career options after B.Sc.
- 2) Benefits of M.B.A.
- 3) Stages in admission process of MBA.
- 4) About entrance examination of M.B.A.
- 5) Give information about RIT

Visit to Management Dept:

Lab: 4 labs KS Patil discussed about labs, software Microsoft office specialist Tab

Visit to Library-

2 floors-study Rooms

Reference book section

Off campus student also use library facility.

**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

**B.Sc. III (2022-23)**

**"A TOUR REPORT"**

**Submitted by**

**Name – MANE NAYAN RAJENDRA**

**Roll No.- 3422**

**EXAM SEAT NO.- 28966**

*Mane Nayan*  
16/05/23  
**Examiner**



*Mane Nayan*  
**Head**  
**Department of Mathematics**  
Yashwantrao Chavan College of Science,  
Karad



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**YASHWANTRAO CHAVAN COLLEGE OF  
SCIENCE, KARAD**

**DEPARTMENT OF MATHEMATICS**

B. Sc. III (2022-2023)

**“A TOUR REPORT”**

Submitted by

**Name : Nangare Sayali Sanjay**

**Roll No : 3423**

**Exam Seat No : 38515**

**Examiner**



**For Head**

**Department of Mathematics  
Yashwantrao Chavan College of Science,  
Karad**

## **REPORT**

---

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Reference book section.

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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, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

RefNo. : Micro/01 /2022-23

Date: - 31/03/2023

To,

The Managing Director,  
Sahyadri Sahakari Sakhar Karkhana Ltd.,  
Yashwantnagar, Karad.

**Subject: - Educational visit of B.Sc. Part - II Microbiology students.**

Sir,

As a part of educational tour a group of B.Sc. Part II Microbiology students One Hundred Six (106) from this college accompanied by their teachers (3) wish to visit your industry on **Tuesday, 11<sup>th</sup> April, 2023.**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

Yours faithfully,

**Principal**

Yashwantrao Chavan College  
of Science, Karad

11/4/2023

सहाद्री सहकारी साखर कारखाना लि;  
यशवंतनगर, ता. कराड, जि. सातारा

11/4/2023  
**Distillery In-Charge**  
Sahyadri S. S. K. Ltd.  
Yashwantnagar, Tal. Karad,  
Dist. Satara





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF MICROBIOLOGY**

**B. Sc. II – Study tour**


Date: - 08/04/2023

The students of B. Sc. II (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Karad on **11<sup>th</sup> April, 2023**. All should remain present in college near Microbiology department at **10.00 a.m.**

All should come with Identity Card, Notebook, pen and Tiffin. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



  
**HEAD,**  
**DEPARTMENT OF MICROBIOLOGY**  
Department of Microbiology

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**Study tour 2022-2023**

- 1) **Name of the Department** :- Microbiology
- 2) **Class & Subject for which** :- B.Sc. Part II  
**Tour is arranged**
- 3) **No. of Students accompanying** :- 106
- 4) **Place of visits and approximate Distance**  
**Place** :- Sahyadri Sahakari Sakhar  
Karkhana Ltd., Yashwantnagar.  
**Distance** :- 8 k.m. + 8 k.m. (Approx.)  
**Total Distance** :- 16 k.m. (approx)
- 5) **Date of departure and arrival** :- 11<sup>th</sup> April, 2023
  - a) **Departure from Karad** :- 10.00 a.m.
  - b) **Visit to Sahyadri Sahakari Sakhar Karkhana Ltd., Distillery Section** :- 10.30 a.m.
  - c) **Lunch Break** :- 01.00 p.m.
  - d) **Visit to Waste Treatment Plant** :- 02.00 p.m.
  - e) **Departure from S.S.Sakhar Karkhana Ltd., Yashwantnagar:-** 03.30 p.m.
  - f) **Arrival at Karad** :- 04.00 p.m.
- 6) **Mode of Journey** :- S.T. Bus
- 7) **Name of the Staff accompanying tour** :- Miss. Lohar S. A.  
Miss. Shinde S. S.  
Mr. Sutar K. A.



(Tour in-charge)



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



**Yashwantrao Chavan College of Science, Karad**  
**DEPARTMENT OF MICROBIOLOGY**

**B.Sc. II (2022-2023)**

**UNDERTAKING**

We the undersigned students of B.Sc. II (Microbiology) are attending an educational tour with our teachers to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar from 11/04/2023 (10.00 a.m.) till arrival at Karad to visit places of educational interest. We are traveling on our own risk and we further declare that we all will follow the time schedule & obey the orders of the incharge throughout the tour.

Roll No.	Name of the Student	Phone Number	Signature
P P 2151	BHANDAVALE ANIKET VISHWANATH	7499334072	Bhandavale
2152	CHANDANSHIVE TEJASWINI ROHIDAS	ABSENT	
2153	CHAVAN PRATHAMESH DHANAJI	ABSENT	
2154	DESHMUKH ANIKET BAPURAO	ABSENT	
2155	DIVASKAR VIVEK RAJENDRA	ABSENT	
P P 2156	KADAM PRATHAMESH DATTATRAY Prashant	53082568	Prashant
P P 2157	MALI SONALI RAJARAM	9370904155	Starocul
P P 2158	NIKAM VEDANTIKA MAHESH	7378340522	Atam
P P 2159	ROKADE SAURABH BAPURAO	9309958998	CRBhade
P P 2160	SHIKALGAR NILOPHAR RAJEKHAN	7885174528	Shikalgar
2161	TAWARE PRASHANT TANAJI	ABSENT	
P P 2162	THORAT PRITI PANDURANG	9307299794	Prati
P P 2163	THORAT SNEHAL BHASKAR	9021593014	Thorat
P P 2171	AUNDHAKAR VAISHNAVI SATISH	8378912219	Vaishu
P P 2172	ANGARAKHE GAURAV TANAJI	8766701831	Atul
P P 2173	CHAVAN SAKSHI SHIVAJI	8767367966	Chavan
P P 2174	DESAI ALISHA SALIM	9960410495	A.S.Desai
P P 2175	DESAI PRIYANKA BALASO	8623995153	P.B.Desai
P P 2176	DESHMUKH SUPRIYA SANJAY	8459559185	Supriya
P P 2177	DESHMUKH TILOTTAMA SANJAY	9561000499	T.S.Deshmukh
P P 2178	DISALE SANDHYA PANDURANG	7498315705	Disale
2179	INAMDAR SHADAB JAMAL	ABSENT	
P P 2180	JADHAV KANCHAN MANSING	9130780053	Kanchan
P P 2181	JADHAV PRASAD SHRIMANT	7620205446	Prasad
2182	JADHAV PRASAD VISHWANATH	ABSENT	
P P 2183	JADHAV TEJASHRI MADAN	8459845488	Jadhav
P P 2184	JANGAM ANUSHRI DILIP	7447881393	Jangam
P P 2185	KHALKAR ARYA NARAYAN	8378958773	Arya
P P 2186	KHANDAIT PRAJAKTA UMESH	8767204036	Khandait
2187	KHOT KOMAL SHAMRAO	ABSENT	
P P 2188	MAGARE AVANTIKA DATTARAY	8459302114	A.D.Magare

Parent's cal





PP	2189	PADALKAR SAGAR DADASO	9356493302	<u>Sadalkar</u>	P.C.
	2190	PANUGADE ANIKET RAJENDRA	<del>ABSENT</del>		
PP	2191	PATIL KRUPALI ASHOK	8080046531	<u>Krupali</u>	
PP	2192	PATIL PRATHAMESH ANANDA	9130168002	<u>Prathamesh</u>	P.C.
PP	2193	PATIL SANIKA PRAKASH	7757952111	<u>Sanika</u>	
PP	2194	PATIL SANJANA TUKARAM	8767365519	<u>Sanika</u>	
PP	2195	PATIL SHIVANI BALU	9579645027	<u>Patil</u>	
PP	2196	PHUKE SUSHANT UTTAM	9511785554	<u>S.U. Phuke</u>	P.C.
PP	2197	POL SAKSHI ANNASO	9604175354	<u>Sakshi</u>	P.C.
PP	2198	RANBHOR NEHA ULHAS	7498734063	<u>Neha</u>	P.C.
PP	2199	SANKPAL PRADNYA GANPAT	9757971195	<u>P.G. Sankpal</u>	
PP	2200	SARGAR SARIKA NAMDEV	9309552249	<u>Sargam</u>	
	2201	SHINDE KSHITIJ VIJAY *	<del>ABSENT</del>		
	2202	SHINDE SAMIKSHA PRAKASH	<del>ABSENT</del>		
PP	2203	VEER ROHINI SHANTARAM	8625824672	<u>Veer</u>	
PP	2204	WADKAR PANKAJ SHRIKANTH	7709746483	<u>Pankaj</u>	P.C.
PP	2205	WALEKAR SAVITA BALASAHEB	8975144624	<u>Walekar</u>	
PP	2206	YADAV DIPALI DILIP	8208044740	<u>Dipali</u>	
PP	2207	YADAV MOHINI MANSING	7821908841	<u>Mohini</u>	P.C.
PP	2208	YADAV NEHA VILAS	8010265846	<u>N.N. Yel.</u>	P.C.
PP	2209	YADAV ROHAN JAYWANT	9307382380	<u>Y.R.</u>	
PP	2210	YEWALE SHUBHAMRAJ SANJAY	8625896224	<u>Yewale</u>	P.C.
	2301	FASALE MARUTI SAMPAT	<del>ABSENT</del>		
	2302	KOKANI RAJKUMAR RAJU	<del>ABSENT</del>		
PP	2303	MALI HARSH AJIT	7378587067	<u>Harsh</u>	
PP	2304	MASUGADE MANASI KRISHNA	9158208392	<u>Manasi</u>	
	2305	MUJAWAR MUSKAN AJJI	<del>ABSENT</del>		
	2306	NIKAM NEHALI NANDKUMAR	9657822003	<u>Nikam</u>	
	2307	PAWAR VAISHNAVI BALASAHEB	<del>ABSENT</del>		
PP	2311	BHINTANE SHANTANU SUYOG Tanmay	9307321996	<u>Bhintane</u>	
	2312	BODHAGIRE VIKRAM RAVSO	<del>ABSENT</del>		
PP	2313	CHAVAN PRADNYA RAJENDRA	7972133347	<u>Chavan</u>	
	2314	DESAI SHANTANU KANTILAL	<del>ABSENT</del>		
PP	2315	JAGTAP ANURADHA ASHOK	9146597066	<u>Anuradha</u>	
PP	2316	KADAM SUJATA SANJAY	7666980142	<u>S. S. Kadam</u>	
PP	2317	MALI ASHARANI SATISH	7798462386	<u>Amali</u>	
PP	2318	MANE SHRUTIKA SURESH	9529109282	<u>Mane</u>	
PP	2319	MULLA MOHASINA MAHAMMAD	9373167643	<u>Mulla</u>	
PP	2320	NALAWADE ATUL DHARMARAJ	8668873618	<u>A.D. Nalawade</u>	
	2321	PATIL SHUBHAMRAJ VISHWAS	<del>ABSENT</del>		
PP	2322	PAWAR PRERANA GANESH	9021500191	<u>Prerana</u>	
PP	2323	PAWAR VAISHNAVI BAPUSO	8767748008	<u>Pawar</u>	
PP	2324	SHAIKH KARINA RASHID	8010734324	<u>Shaikh</u>	
	2325	SHINDE AVINASH ASHOK	9834649844	<u>Shinde</u>	
PP	2326	SHINDE SANKET ASHOK	<del>ABSENT</del>		
PP	2327	SUTAR SUJIT ANIL	7821088712	<u>Sutar</u>	





#	2328	SWAMI SHREYAS DATTATRAY	8888910657	S. S. Surti	
	2329	TAKPIRE RUSHABH BALU	<del>ABSENT</del>		
PP	2330	THORAT DURGA AMARSINH	9518300167	Thorat	
PP	2331	THORAT SANJIVANI SANTAJI	9021485035	Thorat	
	2332	ADSULE PRATHAMESH BHASKAR	<del>ABSENT</del>		
PP	2333	BHOSALE HARSHVARDHAN VIJAY	8308478688	Bhosale	
	2334	CHAVAN SANJANA ANIL	<del>ABSENT</del>		
PP	2335	JADHAV RUTUJA VIKRAM	9960572015	Jadhav	
PP	2336	KALE SANIYA DAYANAND	9322043054	S. D. Kale	
PP	2337	KOLHAPURE SAYALI VIDYASAGAR	9356826053	S. V. Kolhapure	
PP	2338	MANE RUGVED RAJENDRA	8956994972	R. R. Mane	P. C.
PP	2339	PATIL VEDASHRI SANJAY	9356042353	Patil	
PP	2340	SALUNKHE RUTUJA KRUSHNAT	7499095807	Salunkhe	
PP	2341	THORAT SHIVAM DATTATRAY	9359621782	Thorat	
PP	2342	VARPE RUTUJA SHIVAJI	8600807186	R. V. Varpe	
PP	2343	YADAV VAISHNAVI PRAKASH	9373821745	Vaishnavi	
PP	2164	SHINDE SAISH ISHWAR	8888087682	S. S. Shinde	
PP	2166	PATIL SAKSHI SAMBHAJI	9657259885	Patil	P. C.
PP	2532	Kajave Shritef Rajaram	7517793199	Kajave	
PP	2167	Shidruk Kajal Balaso	9623994757	Shidruk	P. C.
PP	2168	choemare Akshata Ashok	7030537356	Chomare	P. C.
PP	2211	Shekale Aishwarya sayaji	8921514013	Shekale	
PP	2212	Salunkhe Divyaram Ashok	7219653601	Salunkhe	P. C.

Name of Accompanied staff

- 1) Shri. Kishor A. Sutar Kishor
- 2) Miss. S. A. Lohar Lohar
- 3) Miss. S. S. Shinde S. S. Shinde



[Signature]  
**HEAD**  
 DEPARTMENT OF MICROBIOLOGY

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2022-2023

CLASS: B. Sc. II Microbiology

TOTAL NUMBER OF STUDENTS: <sup>78</sup>106

DATES OF STUDY TOUR: 11<sup>th</sup> April, 2023

PLACES OF VISIT: Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar

MODE OF JOURNEY: S. T. Bus

NAMES OF THE TEACHERS ACCOMPANYING:

- 1) Miss. Lohar S. A
- 2) Miss. Shinde S. S
- 3) Mr. Sutar K. A.

DATE & TIME OF DEPARTURE FROM KARAD: 11<sup>th</sup> April, 2023; 10.30 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
11 <sup>th</sup> April, 2023	Sahyadri Sahakari Sakhar Karkhana Ltd, Distillery Section, Yashwantnagar	Students gained knowledge about the distillation process and the role of microorganisms in the fermentation of alcohol.

DATE & TIME OF ARRIVAL AT KARAD: 11<sup>th</sup> April, 2023; 04.00 p.m.



Teacher in-charge



Head of the Department



**HEAD**  
DEPARTMENT OF MICROBIOLOGY



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF MICROBIOLOGY**

**Field Visit/Study Tour Report**


**Academic Year (2022-23)**

**REPORT**

Name of the activity:	Study visit to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar, Tal:- Karad, Dist:- Satara
Date	11 <sup>th</sup> April 2023
Purpose of Program	To enhance students' interest and awareness of sugarcane distillation process and acquire the knowledge of fermentation.
Study Tour Inchange	Mr. K. A. Sutar
Total Beneficiaries	106 B.Sc. II Year Students
No. of Teachers Participated	03
Program outcomes	Students learned how the microorganism converts the molasses into ethanol, as well as the process of sugar production.



Visit of B.Sc. III year student to Sahyadri Co-operative Sugar Industry, Yashwantnagar, Tal- Karad, Dist- Satara

  
Tour Incharge



  
Head of the Department  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



**Study visit to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar,  
Tal:- Karad, Dist:- Satara**



**Students Visit to Distillation Plant**







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./ /2022-23

Date: 14/03/2023

To  
The Director,  
National Research Centre for Grapes,  
Manjari, PUNE

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M. Sc. I Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 17<sup>th</sup> March, 2023

I request you to grant the permission for visit.

Thanking You.

Regards



  
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

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☎ 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. / /2022-23

Date: 14/03/2023

To

General Manager,

Vasantdada Sugar Institute,

Manjari, PUNE

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, M. Sc. I Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 17<sup>th</sup> March, 2023

I request you to grant the permission for visit.

Thanking You. Sir,

Regards

your college students

visited VSI, Pune &

seen/discussed activities of

Institute on 03-23



Principal,  
Yashwantrao Chavan College  
of Science, Karad

BJS  
B-J. Tanwar



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF MICROBIOLOGY**

**M. Sc. I – Study tour**

Date: - 15/03/2023

The students of M. Sc. I (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Vasantdada Sugar Institute, Manjari, Pune and National Research Centre for Grapes, Pune on **17<sup>th</sup> March, 2023**. All should remain present in college near Microbiology department at **05.00 a.m.**

All should come with Identity Card, Notebook, and pen. Study tour is **compulsory** as per university syllabus.


All concerned should note and follow.



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**Study tour 2022 - 23**

- |    |   |                      |   |
|----|---|----------------------|---|
| 1) | Name of the Department  | :-                   | Microbiology                                      |
| 2) | Class & Subject for which<br>Tour is arranged                                       | :-                   | M. Sc. Part I Microbiology                        |
| 3) | No. of Students accompanying  | :-                   | 52  |
| 4) | Place of visits and approximate<br>Distance of traveling<br>Place<br>Total Distance | :-<br>:-<br>:-<br>:- | <br>175 Km. + 175 Km.<br>PUNE<br>350 km. (approx) |
| 5) | Date of departure and arrival   | :-                   | 17 <sup>th</sup> March, 2023                      |
|    | a) Departure from Karad   | :-                   | 6.00 a.m.   |
|    | b) Arrival at Manjari Pune  | :-                   | 10.00 a.m.  |
|    | c) Visit to Vasantdada Sugar Ist.:-   |                      | 10.00 a.m. to 12.30 p.m.                          |
|    | d) Lunch Break  | :-                   | 12.30 p.m. to 1.30 p.m.                           |
|    | e) Visit to National Research<br>Center for Grapes                                  | :-                   | 2.30 p.m. to 5.30 p.m.                            |
|    | f) Departure from Pune  | :-                   | 6.00 p.m.   |
|    | g) Arrival at Karad   | :-                   | 10.00 p.m.  |
| 6) | Mode of Journey   | :-                   | Private Hired Bus Vehicle                         |
| 7) | Name of the Staff   | :-                   | Dr. A. A. Raut<br>Miss. K. A. Yadav               |
| 8) | Name of non-teaching<br>staff accompanying tour                                     | :-                   | None  |

  
(Tour in-charge)



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



Yashwantrao Chavan College of Science, Karad  
Department of Microbiology  
M.Sc. I Study tour 2022-23  
Students and Staff List  
Study tour to Hadapsar, Manjari.

Sr. No.	Roll No.	Name of the student	Signature
1	4001	Barapatre Yash Sandesh	<i>Yash Barapatre</i>
2	4002	<b>Bhade Aadesh Rajendra</b>	<i>Aadesh Bhade</i>
3	4003	<b>Desai Abhishek Sanjay</b>	<i>Abhishek Desai</i>
4	4004	<b>Desai Vinayak Ravindra</b>	<i>Vinayak Desai</i>
5	4005	Gawali Shubhangi Ramchandra	<i>Shubhangi Gawali</i>
6	4006	Ghaste Trushanti Pratap	
7	4007	Gurav Mayuri Manohar	<i>Mayuri Gurav</i>
8	4008	Gurav Ruchita Krishnat	<i>Ruchita Gurav</i>
9	4009	Jadhav Dhairya Dhanaji	
10	4010	Jadhav Saloni Balu	<i>Saloni Jadhav</i>
11	4011	<b>Jadhav Shubham Dattatray</b>	<i>Shubham Jadhav</i>
12	4012	<b>Kale Avishkar Mohan</b>	<i>Avishkar Kale</i>
13	4013	<b>Kavade Shubham Chandrakant</b>	<i>Shubham Kavade</i>
14	4014	Khot Ashwini Shivaji	<i>Ashwini Khot</i>
15	4015	<b>Lavate Shubham Annaso</b>	<i>Shubham Lavate</i>
16	4016	Mali Shailaja S.	<i>Shailaja Mali</i>
17	4017	<b>Mane Gokarna Balu</b>	<i>Gokarna Mane</i>
18	4018	Patil Shamita Shital	
19	4019	Patil Shweta Santosh	<i>Shweta Patil</i>
20	4020	Pawar Nageshwari Vikas	<i>N.V. Pawar</i>
21	4021	Powar Phulabai Prakash	<i>Phulabai Powar</i>
22	4022	Sagare Pallavi Arvind	<i>Pallavi Sagare</i>
23	4023	Sakhalkar Veda Sunil	<i>Veda Sakhalkar</i>
24	4024	Salwankar Siddhi Dhananjay	<i>Siddhi Salwankar</i>
25	4025	Sawant Saniya Rajvardhan	<i>Saniya Sawant</i>
26	4026	Yadav Namrta Rajendra	<i>Namrta Yadav</i>
27	4027	Bhambure Gauri Raghunath	<i>Gauri Bhambure</i>
28	4028	Bhingardeve Kajal Gunvant	<i>Kajal Bhingardeve</i>
29	4029	Bhokare Shraddha Rajaram	<i>Shraddha Bhokare</i>
30	4030	Bhosale Sakshi Rajendra	<i>Sakshi Bhosale</i>
31	4031	Dukkurwadkar Mayuri Krushna	<i>Mayuri Dukkurwadkar</i>
32	4032	Gaikwad Pranali Babaso	<i>Pranali Gaikwad</i>
33	4033	Gaikwad Vaishnavi Santosh	<i>Vaishnavi Gaikwad</i>
34	4034	<b>Gurav Prakash Sunil</b>	
35	4035	Gurav Swapnali Vijay	<i>Swapnali Gurav</i>
36	4036	<b>Honmore Amit Prakash</b>	<i>Amit Honmore</i>
37	4037	Jadhav Mithali Bhargav	<i>M.B. Jadhav</i>
38	4038	Jadhav Rutuja Ravindra	<i>Rutuja Jadhav</i>
39	4039	Jadhav Shraddha Rajaram	<i>Shraddha Jadhav</i>
40	4040	Jawale Renuka Dipak	<i>Renuka Jawale</i>
41	4041	Kadam Akanksha Rajaram	<i>Akanksha Kadam</i>
42	4042	Kadam Shilpa Prakash	<i>Shilpa Kadam</i>
43	4043	Khedekar Sharayu Vivek	<i>Sharayu Khedekar</i>
44	4044	Kolekar Nivedita Ankush	<i>Nivedita Kolekar</i>
45	4045	Kumbhar Neha Subhash	
46	4046	Mahadik Priyanka Tulshiram	
47	4047	Nikam Aditi Anandrao	<i>Aditi Nikam</i>
48	4048	Patil Neha Mohan	<i>Neha Patil</i>
49	4049	Patil Snehal Maruti	<i>Snehal Patil</i>
50	4050	Patil Vaishnavi Suresh	<i>Vaishnavi Patil</i>
51	4051	Sonavane Komal Dinkar	<i>Komal Sonavane</i>
52	4052	<b>Ubale Vikrant Vinod</b>	<i>Vikrant Ubale</i>
		<b>Dr. A. A. Raut (Teaching Staff)</b>	<i>A.A. Raut</i>
		<b>Miss. K. A. Yadav (Teaching Staff)</b>	<i>K.A. Yadav</i>



Yashwantrao Chavan College of Science, Karad  
Department of Microbiology  
M.Sc. I Study tour 2022-23  
Students and Staff List  
Study tour to Hadapsar, Manjari.

Sr. No.	Roll No.	Name of the student	Signature
1	4001	Barapatre Yash Sandesh	
2	4002	<b>Bhade Aadesh Rajendra</b>	
3	4003	<b>Desai Abhishek Sanjay</b>	
4	4004	<b>Desai Vinayak Ravindra</b>	
5	4005	Gawali Shubhangi Ramchandra	
6	4006	Ghaste Trushanti Pratap	
7	4007	Gurav Mayuri Manohar	
8	4008	Gurav Ruchita Krishnat	
9	4009	Jadhav Dhairya Dhanaji	
10	4010	Jadhav Saloni Balu	
11	4011	<b>Jadhav Shubham Dattatray</b>	
12	4012	<b>Kale Avishkar Mohan</b>	
13	4013	<b>Kavade Shubham Chandrakant</b>	
14	4014	Khot Ashwini Shivaji	
15	4015	<b>Lavate Shubham Annaso</b>	
16	4016	Mali Shailaja S.	
17	4017	<b>Mane Gokarna Balu</b>	
18	4018	Patil Shamita Shital	
19	4019	Patil Shweta Santosh	
20	4020	Pawar Nageshwari Vikas	
21	4021	Powar Phulabai Prakash	
22	4022	Sagare Pallavi Arvind	
23	4023	Sakhalkar Veda Sunil	
24	4024	Salwankar Siddhi Dhananjay	
25	4025	Sawant Saniya Rajvardhan	
26	4026	Yadav Namrta Rajendra	
27	4027	Bhambure Gauri Raghunath	
28	4028	Bhingardeve Kajal Gunvant	
29	4029	Bhokare Shraddha Rajaram	
30	4030	Bhosale Sakshi Rajendra	
31	4031	Dukkurwadkar Mayuri Krushna	
32	4032	Gaikwad Pranali Babaso	
33	4033	Gaikwad Vaishnavi Santosh	
34	4034	<b>Gurav Prakash Sunil</b>	
35	4035	Gurav Swapnali Vijay	
36	4036	<b>Honmore Amit Prakash</b>	
37	4037	Jadhav Mithali Bhargav	
38	4038	Jadhav Rutuja Ravindra	
39	4039	Jadhav Shraddha Rajaram	
40	4040	Jawale Renuka Dipak	
41	4041	Kadam Akanksha Rajaram	
42	4042	Kadam Shilpa Prakash	
43	4043	Khedekar Sharayu Vivek	
44	4044	Kolekar Nivedita Ankush	
45	4045	Kumbhar Neha Subhash	
46	4046	Mahadik Priyanka Tulshiram	
47	4047	Nikam Aditi Anandrao	
48	4048	Patil Neha Mohan	
49	4049	Patil Snehal Maruti	
50	4050	Patil Vaishnavi Suresh	
51	4051	Sonavane Komal Dinkar	
52	4052	<b>Ubale Vikrant Vinod</b>	
		<b>Dr. A. A. Raut (Teaching Staff)</b>	
		<b>Miss. K. A. Yadav (Teaching Staff)</b>	



Department of Microbiology  
M. Sc. I Study tour 2022-23  
**UNDERTAKING**

Date: - 14/03/2023

We the undersigned students of M. Sc. I (Microbiology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	4001	Barapatre Yash Sandesh	9518384937	7798620857	<i>Yash</i>
2	4002	<b>Bhade Aadesh Rajendra</b>	<b>7666556578</b>	<b>9699853591</b>	<b>Aadesh Bhade</b>
3	4003	<b>Desai Abhishek Sanjay</b>	8637733687	9960788575	<i>Abhishek</i>
4	4004	<b>Desai Vinayak Ravindra</b>	<b>8380014903</b>	<b>9763866180</b>	<b>Vinayak</b>
5	4005	Gawali Shubhangi Ramchandra	7058210457	7756069688	<i>Shubhangi</i>
6	4006	Ghaste Trushanti Pratap			
7	4007	Gurav Mayuri Manohar	9284236184	7387482352	<i>Mayuri</i>
8	4008	Gurav Ruchita Krishnat	7499746957	7040559672	<i>Ruchita</i>
9	4009	Jadhav Dhairya Dhanaji			
10	4010	Jadhav Saloni Balu	<b>9359193823</b>	<b>8668635816</b>	<b>Saloni</b>
11	4011	<b>Jadhav Shubham Dattatray</b>	<b>9766585826</b>	<b>9096766564</b>	<b>Shubham</b>
12	4012	<b>Kale Avishkar Mohan</b>	7058865707	9403225777	<b>Avishkar</b>
13	4013	<b>Kavade Shubham Chandrakant</b>	8554033694	9420675676	<b>Shubham</b>
14	4014	Khot Ashwini Shivaji	9434423010	8972037401	<i>Ashwini</i>
15	4015	<b>Lavate Shubham Annaso</b>	7558387470	9403401160	<b>Shubham</b>
16	4016	Mali Shailaja S.	7057222192	7798309865	<i>Shailaja</i>
17	4017	<b>Mane Gokarna Balu</b>	9284073008	9767898616	<b>Gokarna</b>
18	4018	Patil Shamita Shital	9595012271	9420351705	
19	4019	Patil Shweta Santosh	9772982294	9975834832	<i>Shweta</i>
20	4020	Pawar Nageshwari Vikas	<b>8956292738</b>	<b>7507012236</b>	<b>Nageshwari</b>
21	4021	Powar Phulabai Prakash	8378875483	7350575872	<i>Phulabai</i>
22	4022	Sagare Pallavi Arvind	7035687070	9552617407	<i>Pallavi</i>
23	4023	Sakhalkar Veda Sunil	<b>8806942308</b>	<b>7498141840</b>	<b>Sakhalkar</b>
24	4024	Salwankar Siddhi Dhananjay	<b>8999943533</b>	<b>8482907546</b>	<b>Siddhi</b>
25	4025	Sawant Saniya Rajvardhan	<b>8888904112</b>	<b>9822087386</b>	<b>Saniya</b>
26	4026	Yadav Namrta Rajendra	<b>9284396752</b>	<b>9370804885</b>	<b>Namrta</b>
27	4027	Bhambure Gauri Raghunath	8484085255	9011332344	<i>Gauri</i>
28	4028	Bhingardeve Kajal Gunvant	9158448768	8108347815	<i>Bhingardeve</i>
29	4029	Bhokare Shraddha Rajaram	9022524092	9921572638	<i>Shraddha</i>
30	4030	Bhosale Sakshi Rajendra	7249678715	9923303156	<i>Sakshi</i>
31	4031	Dukkurwadkar Mayuri Krushna	9356519187	9834694971	<i>Mayuri</i>
32	4032	Gaikwad Pranali Babaso	7028356336	7745056336	<i>Pranali</i>
33	4033	Gaikwad Vaishnavi Santosh	9307638738	9561563282	<i>Vaishnavi</i>
34	4034	<b>Gurav Prakash Sunil</b>			
35	4035	Gurav Swapnali Vijay	<b>8999382254</b>	<b>7350576007</b>	<b>Swapnali</b>
36	4036	<b>Honmore Amit Prakash</b>	7249768714	8788233835	<b>Amit</b>



37	4037	Jadhav Mithali Bhargav	9307033979	9765324563	M.B.Jadhav
38	4038	Jadhav Rutuja Ravindra	7028871679	7385788629	Pradhar
39	4039	Jadhav Shraddha Rajaram	8329275037	8788088880	Shraddha
40	4040	Jawale Renuka Dipak	8329600315	8459493883	Renuka
41	4041	Kadam Akanksha Rajaram	9130701349	9623170011	Akadam
42	4042	Kadam Shilpa Prakash	8304878036	9288808036	Shilpa
43	4043	Khedekar Sharayu Vivek	7588311377	9359211551	Shrudekar
44	4044	Kolekar Nivedita Ankush	9172104241	9850910881	Kolekar
45	4045	Kumbhar Neha Subhash			
46	4046	Mahadik Priyanka Tulshiram			
47	4047	Nikam Aditi Anandrao	9834703498	9822143220	Anikam
48	4048	Patil Neha Mohan	9545936949	9689583115	NPatil
49	4049	Patil Snehal Maruti	8408036898	7875591065	SPatil
50	4050	Patil Vaishnavi Suresh	9146029077	9637360179	VPatil
51	4051	Sonavane Komal Dinkar	7709514800	9403945100	K.D.Sonavane
52	4052	Ubale Vikrant Vinod	9307194795	9689760109	Vickar



  
**HEAD**  
 DEPARTMENT OF MICROBIOLOGY



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2022-2023

CLASS: M. Sc. I Microbiology

TOTAL NUMBER OF STUDENTS: 52

DATES OF STUDY TOUR: 17<sup>th</sup> March, 2023

PLACES OF VISIT: 1) Vasantdada Sugar Institute, Manjari, Pune

2) National Research Centre for Grapes, Manjari, Pune

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

NAMES OF THE TEACHERS ACCOMPANYING: 1) Dr. A. A. Raut

2) Miss. K. A Yadav

DATE & TIME OF DEPARTURE FROM KARAD: 17<sup>th</sup> March, 2023; 06.00 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
17 <sup>th</sup> March, 2023 (10.0 a.m. to 12.30 p.m.)	Vasantdada Sugar Institute, Manjari, Pune	Students gained knowledge about the technologies used in the research of sugar.
17 <sup>th</sup> March, 2023 (12.30 p.m. to 01.30 p.m.)	National Research Centre for Grapes, Manjari, Pune	Students gained knowledge about the technologies used in the research of grapes.

DATE & TIME OF ARRIVAL AT KARAD: 17<sup>th</sup> March, 2023; 10.00 p.m.



Teacher in-charge



Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



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. /444/2022-23

Date: 14/03/2023

To  
General Manager,  
Vasantdada Sugar Institute,  
Manjari, PUNE

Sub: - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, B.Sc. III Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 17<sup>th</sup> March, 2023

I request you to grant the permission for visit.

Thanking You.

Regards

Sir,  
Your college students visited VSI,

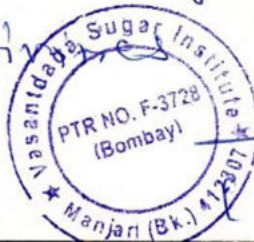
Pune on 17-03-23 &

taken information of

a ch

Principal,

Yashwantrao Chavan College  
of Science, Karad



BJS

B. J. Takurkar





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./445/2022-23

Date: 14/03/2023

To

The Director,

National Research Centre for Grapes,

Manjari, PUNE

**Sub:** - Request for permission to visit your organization...

Respected Sir

As a part of educational tour, B.Sc. III Microbiology students [52] from our college accompanied by two faculty members, wish to visit your reputed organization on 17<sup>th</sup> March, 2023

I request you to grant the permission for visit.

Thanking You. Sir,

Regards

your college students visited VSI,  
Pune on 17-03-23 & taken information  
of activities of Institute.

Principal,  
Yashwantrao Chavan College  
of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF MICROBIOLOGY**

**B. Sc. III – Study tour**

Date: - 15/03/2023

The students of B. Sc. III (Microbiology) are hereby informed that one day study tour in Microbiology is arranged to Vasantdada Sugar Institute, Manjari, Pune and National Research Centre for Grapes, Pune on **17<sup>th</sup> March, 2023**. All should remain present in college near Microbiology department at **05.00 a.m.**

All should come with Identity Card, Notebook, and pen. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**Study tour 2022 - 23**

- |    |   |    |                                      |
|----|---|----|--------------------------------------|
| 1) | <b>Name of the Department</b>                       | :- | Microbiology                         |
| 2) | <b>Class &amp; Subject for which</b>                | :- | B.Sc. Part III Microbiology          |
|    | <b>Tour is arranged</b>                             |    |                                      |
| 3) | <b>No. of Students accompanying</b>                 | :- | 52                                   |
| 4) | <b>Place of visits and approximate</b>              | :- |                                      |
|    | <b>Distance of traveling</b>                        | :- | 175 Km. + 175 Km.                    |
|    | <b>Place</b>  | :- | PUNE                                 |
|    | <b>Total Distance</b>                               | :- | 350 km. (approx)                     |
| 5) | <b>Date of departure and arrival</b>                | :- | 17 <sup>th</sup> March, 2023         |
|    | a) Departure from Karad                             | :- | 6.00 a.m.                            |
|    | b) Arrival at Manjari Pune                          | :- | 10.00 a.m.                           |
|    | c) Visit to Vasantdada Sugar Ist.:-                 |    | 10.00 a.m. to 12.30 p.m.             |
|    | d) Lunch Break                                      | :- | 12.30 p.m. to 1.30 p.m.              |
|    | e) Visit to National Research                       | :- | 2.30 p.m. to 5.30 p.m.               |
|    | Center for Grapes                                   |    |                                      |
|    | f) Departure from Pune                              | :- | 6.00 p.m.                            |
|    | g) Arrival at Karad                                 | :- | 10.00 p.m.                           |
| 6) | <b>Mode of Journey</b>                              | :- | Private Hired Vehicle                |
| 7) | <b>Name of the Staff</b>                            | :- | Dr. J. U. Patil<br>Shri. K. A. Sutar |
| 8) | <b>Name of non-teaching staff accompanying tour</b> | :- | None                                 |

  
(Tour in-charge)



  
**HEAD**  
DEPARTMENT OF MICROBIOLOGY

Yashwantrao Chavan College of Science, Karad  
Department of Microbiology  
B.Sc. III Study tour 2022-23  
Students List & Staff List  
Study tour to Pune (Hadapsar, Manjari)

Sr. No.	Roll No.	Name of the student	Signature	
1	3201	ATTAR SAHIL GAFUR		
2	3202	BANSODE NIHAR RANINDRA		
3	3203	BARGE NIKITA SHIVAJI		
4	3204	BHISE NIKITA ANIL		
5 ✓	3205	CHAVAN SANIKA MAHESH	<u>Sanika</u>	P
6 ✓	3206	CHAVAN TEJAS ADHIKRAO	<u>Tejas</u>	P
7 ✓	3207	CHAVAN VISHAKHA SATISH	<u>Chavav.</u>	P
8 ✓	3208	CHOUGULE ARYAN RAJKUMAR	<u>Aryant</u>	
9	3209	DESAI SANGRAM UDAY		
10	3210	DHEKALE KAJAL ANIL		
11 ✓	3211	DHUKATE SOMNATH SANJAY	<u>Somnath</u>	
12 ✓	3212	DUBAL SANIKA NITIN	<u>Sndubal</u>	P
13 ✓	3213	HANKARE PRATHAMESH ANIL	<u>Prath</u>	
14 ✓	3214	JADHAV PRAJAKTA DHANAJI	<u>Prajakta</u>	P
15	3215	JADHAV PRITI SHIVAJI		
16	3216	JADHAV SANIKA HANMANT		
17 ✓	3217	JADHAV TEJASWINI SUDHAKAR	<u>Tejhas</u>	P
18 ✓	3218	JADHAV VEDANTIKA BABANRAO	<u>Vedant</u>	P
19 ✓	3219	JAMBHALE SANSKRUTI SHUBHAM	<u>Shubham</u>	P
20 ✓	3220	KADAM SAYALI JAGANNATH	<u>SJKadam.</u>	P
21 ✓	3221	KADAM SUYASH BALASAHEB	<u>Suyash</u>	P
22 ✓	3222	KALE KIRAN SURESH	<u>Kale</u>	P
23	3223	KANASE SEJAL JALINDAR		
24 ✓	3224	KARPE DHANASHRI MAHADEV	<u>Dhanape</u>	P
25	3225	KATEKAR SWAPNALI PANDURANG		
26 ✓	3226	KHOT PRACHI RAJENDRA	<u>Prachi</u>	P
27 ✓	3227	KULKARNI SATLAJ GANESH	<u>Satulkarni</u>	P
28	3228	MAHAJAN SHUBHAM SHIVAJI		
29	3229	MALI SHUBHAM ADHIKRAO		





30	3230	MANE KALYANI DHANAJI	<u>Mane</u>	P
31 ✓	3231	MANE RAKESH VIJAY	<u>Mane</u>	P
32	3232	MOHITE AKASH SUNIL	<u>Mohte</u>	
33 ✓	3233	MULLA AFRIN CHAND	<u>A.C. Mulla</u>	
34 ✓	3234	NIGAVE SAURABH SHASHIKANT	<u>Nigave</u>	P
35 ✓	3235	NIKAM SNEHAL SAMPAT	<u>Nikam</u>	P
36 ✓	3236	PATIL AMRUTA BHAGWAN	<u>Patil</u>	P
37 ✓	3237	PATIL RAJNANDINI ARUN	<u>Patil</u>	P
38 ✓	3238	PATIL SHIVANI BAJIRAO	<u>Patil</u>	
39	3239	PAWAR OMKAR SAMBHAJI		
40 ✓	3240	PAWAR SRUSHTI VITTHAL	<u> Pawar</u>	P
41	3241	PAWAR TEJASWI RAGHUNATH		
42 ✓	3242	POL RUTUJA SUBHASH	<u>Pol</u>	P
43 ✓	3243	SANKPAL SANIKA MANSING	<u>Sul</u>	P
44 ✓	3244	SANKPAL VAISHNAVI SANTOSH	<u>Vissankpal</u>	P
45	3245	SAWANT EKNATH CHANDRAKANT		
46 ✓	3246	SHEWALE PRIYANKA KASHINATH	<u>Shewale</u>	P
47 ✓	3247	SHEWALE SWATI ASHOK	<u>Shewale</u>	P
48 ✓	3248	SHINDE RUTURAJ ANANDA	<u>Shinde</u>	P
49 ✓	3249	SHINDE SHIVANJALI BHASKAR	<u>Shinde</u>	P
50 ✓	3250	SHINDE SHIVRAJ BHASKAR	<u>Shinde</u>	
51	3251	SHINDE SHUBHAM NATH		
52	3252	WAYADANDE SHUBHAM PANDHARINATH	<u>Wayadande</u>	
53 ✓	3253	PATIL HARSHADA VISHWAS	<u>Patil</u>	
		Dr. J. U. Patil (Teaching Staff)	<u>Patil</u>	
		Mr. K. A. Sutar (Teaching Staff)	<u>Sutar</u>	



HEAD  
DEPARTMENT OF MICROBIOLOGY



Department of Microbiology  
B.Sc. III Study tour 2022 - 23

**UNDERTAKING**

Date: - 14/03/2023

We the undersigned students of B.Sc. III (Microbiology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the in charge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	3201	ATTAR SAHIL GAFUR			
2	3202	BANSODE NIHAR RANINDRA			
3	3203	BARGE NIKITA SHIVAJI			
4	3204	BHISE NIKITA ANIL			
5	3205	CHAVAN SANIKA MAHESH	7385057343	9822944688	<i>Sah</i>
6	3206	CHAVAN TEJAS ADHIKRAO	7498717395	7057660320	<i>Tej</i>
7	3207	CHAVAN VISHAKHA SATISH	8007352480	9822373787	<i>Cishan</i>
8	3208	CHOUGULE ARYAN RAJKUMAR	9356467677	9604638697	<i>Arya</i>
9	3209	DESAI SANGRAM UDAY			
10	3210	DHEKALE KAJAL ANIL			
11	3211	DHUKATE SOMNATH SANJAY	878883061	9011121366	<i>Somnath</i>
12	3212	DUBAL SANIKA NITIN	9607892016	9607892016	<i>Sndubal</i>
13	3213	HANKARE PRATHAMESH ANIL	7058254011	9970726171	<i>Prath</i>
14	3214	JADHAV PRAJAKTA DHANAJI	9356423542	942099937	<i>Prajakta</i>
15	3215	JADHAV PRITI SHIVAJI			
16	3216	JADHAV SANIKA HANMANT			
17	3217	JADHAV TEJASWINI SUDHAKAR			
18	3218	JADHAV VEDANTIKA BABANRAO	976795637	9881466362	<i>VBhadav</i>
19	3219	JAMBHALE SANSKRUTI SHUBHAM	9561812159	7218410100	<i>Sanskruti</i>
20	3220	KADAM SAYALI JAGANNATH	9370646096	9702239677	<i>Stkadam</i>
21	3221	KADAM SUYASH BALASAHEB	9359618172	9960755364	<i>Sudam</i>
22	3222	KALE KIRAN SURESH	7559482705	8857973140	<i>BSkale</i>
23	3223	KANASE SEJAL JALINDAR			
24	3224	KARAPE DHANASHRI MAHADEV	7620036851	9325544012	<i>Pikape</i>
25	3225	KATEKAR SWAPNALI PANDURANG			
26	3226	KHOT PRACHI RAJENDRA	8446228470	8767209696	<i>Prachi</i>
27	3227	KULKARNI SATLAJ GANESH	7720079128	9604935837	<i>Kulkarni</i>





28	3228	MAHAJAN SHUBHAM SHIVAJI			
29	3229	MALI SHUBHAM ADHIKRAO			
30	3230	MANE KALYANI DHANAJI			
31	3231	MANE RAKESH VIJAY	9359737410	8605116095	<i>[Signature]</i>
32	3232	MOHITE AKASH SUNIL	9529743772	9834343309	<i>[Signature]</i>
33	3233	MULLA AFRIN CHAND	8888982486	9822847016	A.C. Mullu
34	3234	NIGAVE SAURABH SHASHIKANT	9579946707	8805342131	<i>[Signature]</i>
35	3235	NIKAM SNEHAL SAMPAT	9910879382	8625960876	SNikam
36	3236	PATIL AMRUTA BHAGWAN	9579810213	9823679276	<i>[Signature]</i>
37	3237	PATIL RAJNANDINI ARUN	9132323691	7756954012	<i>[Signature]</i>
38	3238	PATIL SHIVANI BAJIRAO	9385902805	9975581713	
39	3239	PAWAR OMKAR SAMBHAJI			
40	3240	PAWAR SRUSHTI VITTHAL	9834561307	9922340797	<i>[Signature]</i>
41	3241	PAWAR TEJASWI RAGHUNATH			
42	3242	POL RUTUJA SUBHASH	8459740902	8600895891	<i>[Signature]</i>
43	3243	SANKPAL SANIKA MANSING	9130801225	9284677316	<i>[Signature]</i>
44	3244	SANKPAL VAISHNAVI SANTOSH	9579598658	8796075636	<i>[Signature]</i>
45	3245	SAWANT EKNATH CHANDRAKANT			
46	3246	SHEWALE PRIYANKA KASHINATH			
47	3247	SHEWALE SWATI ASHOK	7276941976	8890428030	<i>[Signature]</i>
48	3248	SHINDE RUTURAJ ANANDA	8010309650	9975379991	<i>[Signature]</i>
49	3249	SHINDE SHIVANJALI BHASKAR	8080134519	8010454462	<i>[Signature]</i>
50	3250	SHINDE SHIVRAJ BHASKAR	7350304140	8010454462	<i>[Signature]</i>
51	3251	SHINDE SHUBHAM NATH			
52	3252	WAYADANDE SHUBHAM PANDHARINATH	7219195181	9326112404	<i>[Signature]</i>
53	3253	PATIL HARSHADA VISHWAS	9561403389	7770058348	<i>[Signature]</i>



  
**HEAD**  
 DEPARTMENT OF MICROBIOLOGY

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2022-2023

CLASS: B. Sc. III Microbiology

TOTAL NUMBER OF STUDENTS: 52

DATES OF STUDY TOUR: 17<sup>th</sup> March, 2023

PLACES OF VISIT: 1) Vasantdada Sugar Institute, Manjari, Pune  
2) National Research Centre for Grapes, Manjari, Pune

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

NAMES OF THE TEACHERS ACCOMPANYING: 1) Dr. J. U. Patil  
2) Mr. K. A. Sutar

DATE & TIME OF DEPARTURE FROM KARAD: 17<sup>th</sup> March, 2023; 06.00 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
17 <sup>th</sup> March, 2023 (10.0 a.m. to 12.30 p.m.)	Vasantdada Sugar Institute, Manjari, Pune	Students gained knowledge about the technologies used in the research of sugar.
17 <sup>th</sup> March, 2023 (12.30 p.m. to 01.30 p.m.)	National Research Centre for Grapes, Manjari, Pune	Students gained knowledge about the technologies used in the research of grapes.

DATE & TIME OF ARRIVAL AT KARAD: 17<sup>th</sup> March, 2023; 10.00 p.m.

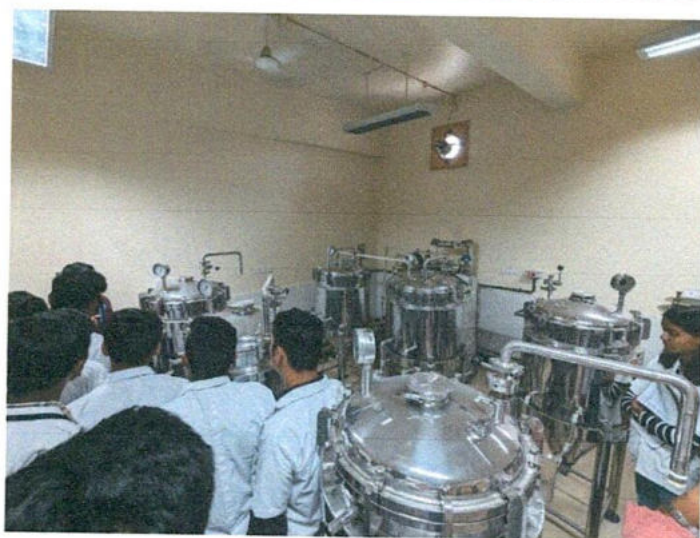
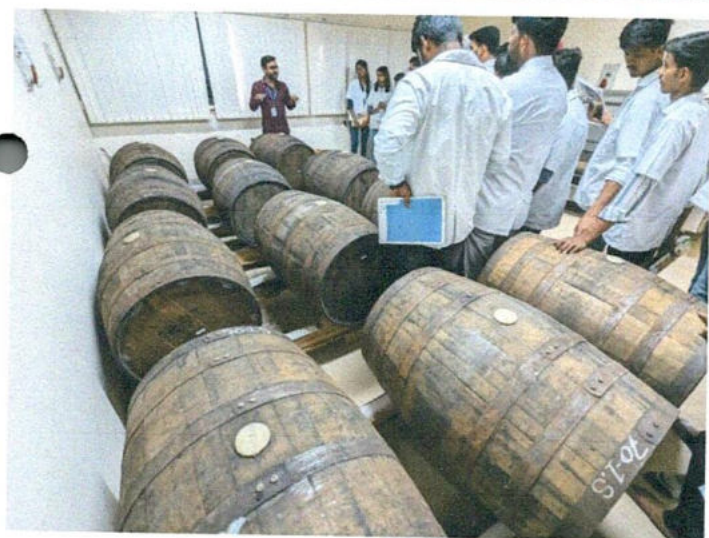
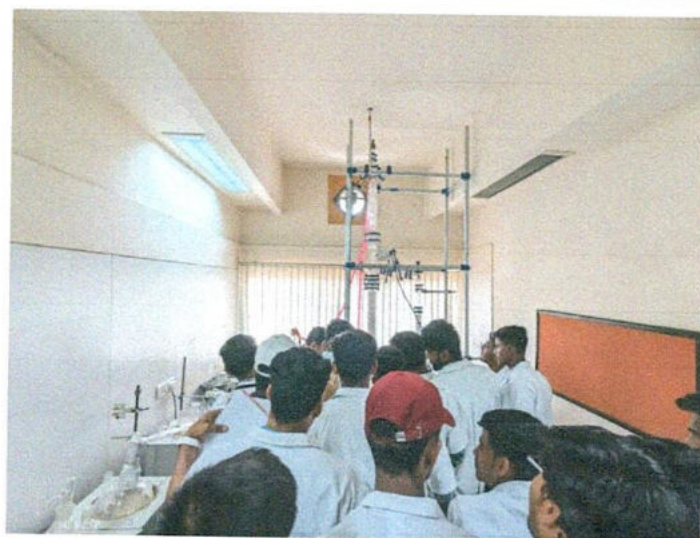
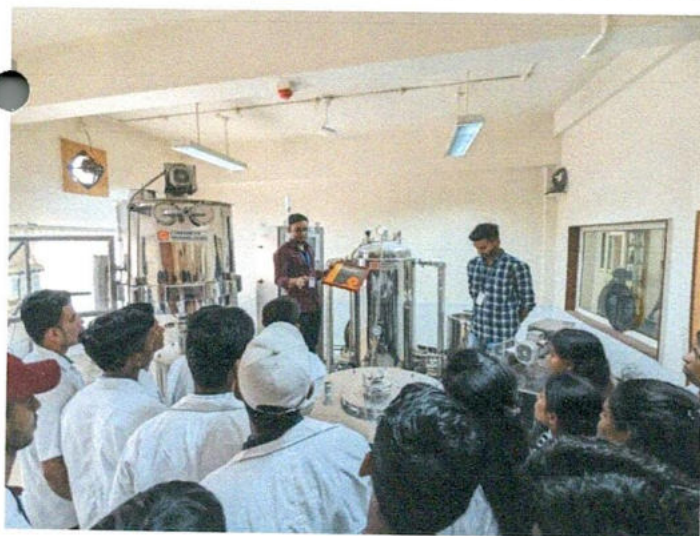
  
Teacher in-charge



  
Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**





Visit of B.Sc. III and M.Sc. I Year Students to

Vasantdada Sugar Institute, Manjari, Pune

National Research Centre for Grapes, Manjari, Pune





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF MICROBIOLOGY**

**Field Visit/Study Tour Report**  
**Academic Year (2022-23)**

**REPORT**

Name of the activity:	Vasantdada Sugar Institute, Manjari, Pune National Research Centre for Grapes, Manjari, Pune
Date	17 <sup>th</sup> March 2023
Purpose of Program	To enhance students' interest and awareness of sugarcane varieties, diseases, and pests, as well as to acquire knowledge about research on safe grape production and methods to increase productivity, including microbial diseases in grapes.
Study Tour Incharge	Dr. A.A Raut
Total Beneficiaries	52 B.Sc. II and 52 M.Sc. I Year Students
No. of Teachers Participated	04
Program outcomes	Students learned various techniques used in sugarcane research and became aware of the different varieties of sugarcane and various microbial diseases affecting sugarcane. Additionally, students were made aware of different issues in sugarcane crop development, and ongoing research is being conducted to address these issues. Students acquired knowledge about strategic and applied research concerning safe grape production and methods to enhance productivity.



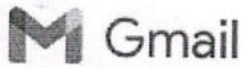
*(Signature)*  
Tour Incharge



*(Signature)*  
Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**





Kishor Sutar <sutar14487@gmail.com>

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## Permission for Industrial visit

1 message

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**Sanjay More** <Sanjay.More@gadremarine.com>  
To: Kishor Sutar <sutar14487@gmail.com>  
Cc: Rajendra Pawar <Rajendra.Pawar@gadremarine.com>

Tue, Feb 7, 2023 at 4:00 PM

Dear Sir,

We are pleased to know that your students are interested for industrial visit to our organization. Our management is decided to grant permission to visit our plant on **17 February 2023** for an educational purpose.

As per our company rules, photography is not allowed and smoking, chewing tobacco and such tobacco products, betel leaf are strictly prohibited in company premises.

With Regards

**Sanjay More**

DY. MANAGER – HR

**Gadre Marine Export Pvt. Ltd**

Tel No :-02352-231657

Cell No:-9421229318



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**From:** Rajendra Pawar <Rajendra.Pawar@gadremarine.com>

**Sent:** 06 February 2023 11:03

**To:** Sanjay More <Sanjay.More@gadremarine.com>; Samiksha Rewale <Samiksha.Rewale@gadremarine.com>

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF MICROBIOLOGY

**M. Sc. II – Study tour**

Date: - 14/02/2023

The students of M. Sc. II (Microbiology) are hereby informed that Two day study tour in Microbiology is arranged to Gadre marine export pvt. Ltd., Ratnagiri and Sugar Research Centre, Napane, Sindhudurg on **17<sup>th</sup> and 18<sup>th</sup> February, 2023**. All should remain present in college near Microbiology department at **05.00 a.m.** on 17<sup>th</sup> February, 2023.

All should come with Identity Card, Notebook and pen. Study tour is **compulsory** as per university syllabus.

All concerned should note and follow.



  
**HEAD**  
DEPARTMENT OF MICROBIOLOGY




**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**Study tour 2022 – 2023**

**Programme of Tour**

- 1) **Name of the Department** :- Microbiology
- 2) **Class & Subject for which** :- M. Sc. Part II Microbiology  
**Tour is arranged**
- 3) **No. of Students accompanying** :- 52
- 4) **Place of visits and approximate** :- Ratnagiri and Malvan  
**Distance of traveling** :- 309 Km. + 309 Km.  
**Place** :- Karad- Ratnagiri – Malvan - Karad  
**Total Distance** :- 618 km. (approx)
- 5) **Date of departure** :- 17<sup>th</sup> February, 2023
  - a) Departure from Karad :- 6.00 a.m.
  - b) Arrival at Ratnagiri :- 11.30 a.m.
  - c) Visit to Gadre Marine Industry :- 10.00 a.m. to 12.30 p.m.
  - d) Lunch Break :- 12.30 p.m. to 1.30 p.m.
  - e) Departure from Ratnagiri to Malvan :- 2.30 p.m. to 5.30 p.m.
  - f) Arrival at Malvan :- 6.00 p.m.
  - g) Stay at Malvan :- overnight
  - h) Visit to Prawn Culture :- 10.00 a.m.
  - i) Lunch Break :- 12.30 p.m. to 1.30 p.m.
  - j) Departure from Malvan :- 3.30 pm
  - k) Arrival to Karad :- 10.00 pm on 18<sup>th</sup> February, 2023
- 6) **Mode of Journey** :- Hired Vehicle
- 7) **Name of the Staff** :- Dr. A. A. Raut  
Shri. K. A. Sutar  
Miss. S. A. Lohar
- 8) **Name of non-teaching staff accompanying tour** :- None

  
(Tour in-charge)



  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

दि. 9/10/2023

प्रति,

डॉ. बाबालादेव सावंत कोकण  
कृषी विद्यापीठ अंतर्गत  
कृष संशोधन केंद्र,  
नापेण ता. वैभववाडी  
जि. सिंधुदुर्ग

विषय :- शैक्षणिक सहलीसाठी परवानगी  
अभिप्रेत...

महोदय,

वरील विषयास अनुसृत आपणांचे  
विवृती करतो की, सदरच्या कृष संशोधन  
केंद्राबाबत एम. एस्. सी भाग २ च्या विद्यार्थ्यांना  
मागदर्शन करावे.  
एकूण ५२ विद्यार्थी व ३ स्टाफ फोडो.

कळवे ही विवेकी

आपला विश्वासू



Dr. A. A. Raut

Assistant Professor

Department of Microbiology

Yashwantrao Chavan College  
of Sciences Karad.

8 May

अपविष्ट वर्तमान मागण्या  
मार्फत देणे या पद्धती  
प्रमाणे.

रव. १० मार्च २०२३  
कृष संशोधन केंद्र  
म. वैभववाडी  
जि. सिंधुदुर्ग  
मो. ९५२२२६०२९



Department of Microbiology  
M. Sc. II Study tour 2022-23  
**UNDERTAKING**

Date: - 16/02/2023

We the undersigned students of M. Sc. II (Microbiology) travelling in the study tour (as per syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain the discipline and obey the orders of the incharge of the study tour throughout the tour.

Sr. No.	Roll No.	Name of the student	Mob. No. of Student	Mob. No. of Parents	Student Sign.
1	5001	Ayare Shrutika Umesh	9405681847	8275795873	<i>Shrutika</i>
2	5002	Bhise Savita Baban	7066698095	9604614356	<i>Bhise</i>
3	5003	<b>Budhawale Prashant Navnath</b>	995158263	89088244	<i>Prashant</i>
4	5004	Chavan Gayatri Shivanand	7507528727	8766967315	<i>G. Chavan</i>
5	5005	Etam Pranjal Prakash	9921516575	8830748593	<i>Etam</i>
6	5006	<b>Hasole Prasad Bajarang</b>	7798761121	8149761908	<i>Hasole</i>
7	5007	Haware Pooja Shashikant	7499967113	9579381279	<i>Pooja</i>
8	5008	<b>Ingale Darshan Dadasaheb</b>	9146152709	9860018108	<i>Ingale</i>
9	5009	Jadhav Bharati Vasant	960743949	9689029374	<i>Bharati</i>
10	5010	<b>Kadam Prathmesh Prakash</b>	8605980601	8888067669	<i>Prathmesh</i>
11	5011	Kambale Mayuri Ananda	8177902750	9850337280	<i>Mayuri</i>
12	5012	Kamble Arundhati Avinash	9075128664	9422048430	<i>Arundhati</i>
13	5013	Kavade Radhika Rahul	8237092700	9370002700	<i>Radhika</i>
14	5014	<b>Kharat Samadhan Anil</b>	8459091138	8530314642	<i>Kharat</i>
15	5015	Magadam Pratiksha Mahipati	9545665138	904932032	<i>Pratiksha</i>
16	5016	Mali Pragati Bhimrao	7057502198	9623742790	<i>Pragati</i>
17	5017	Mali Swapnali Madhukar	9975623954	9561446866	<i>Swapnali</i>
18	5018	Mulani Ayesha Musa	9597627786	9767964533	<i>Ayesha</i>
19	5019	Nagane Shivani Dilip	9970282775	9404367974	<i>Shivani</i>
20	5020	<b>Patil Abhay Bajirao</b>	7796447008	9067596581	<i>Abhay</i>
21	5021	Patil Pragati Sanjay	9146406052	7218907500	<i>Pragati</i>
22	5022	Patil Priyanka Shrikant	9579635858	9970425068	<i>Priyanka</i>
23	5023	Satarmaker Tanjum Ibrahim	8857825186	9325430998	<i>Tanjum</i>
24	5024	Shinde Tejaswini Subhash	8459563951	9860190418	<i>Tejaswini</i>
25	5025	Shinde Yukta Yuvaraj	7620480754	7774064589	<i>Yukta</i>
26	5026	Wategaonkar Swapnali Nivrutti	9689538533	7350248533	<i>Swapnali</i>
27	5027	<b>Adsul Rushikesh Sanjay</b>	9527011923	7709881768	<i>Rushikesh</i>
28	5028	Ambale Vaibhavi Sagar	7249584153	8329393236	<i>Vaibhavi</i>
29	5029	<b>Belekar Prasad Vishwanath</b>	9421461493	9422118547	<i>Belekar</i>
30	5030	<b>Chougale Omkar Shashikant</b>	7028754050	9881983535	<i>Omkar</i>
31	5031	Deshkumkh Manasi Naresh	8080188676	8880065749	<i>Manasi</i>
32	5032	Gholap Monali Anil	8206389700	7020929727	<i>Monali</i>
33	5033	Hake Shweta Narendra	9172906755	9309130422	<i>Shweta</i>
34	5034	Kamble Mrunal Babaso	9712662560	9823811351	<i>Mrunal</i>
35	5035	Kamble Mrunali Baburav	8380895187	8805008892	<i>Mrunali</i>
36	5036	<b>Koli Ganesh Rajendra</b>	7028857228	9561576945	<i>Ganesh</i>



37	5037	<b>Kumbhar Viresh Vijay</b>	8530253188	9561560645	Kumbhar
38	5038	Mujawar Aiman Tanveer	9096463486	9960440945	Mujawar
39	5039	<b>Munde Rameshwar Balaji</b>	9370637508	7798419722	Munde
40	5040	Naddaf Jeenat Makasood	9021842330	9860808428	Naddaf
41	5041	Naikwadi Fiza Aftab	7020343260	9921244673	Naikwadi
42	5042	<b>Nangare Rushikesh Anil</b>	7758955105	9850374711	Nangare
43	5043	Patil Rajnandini Rangarao	8767242541	9423278027	Rajnandini
44	5044	Patil Saloni Mahesh	7249861495	7058705553	Patil
45	5045	<b>Patil Shardul Abhijit</b>	8767237845	9764476899	Patil
46	5046	Pawar Pratiksha Balasaheb	7620178068	9112027411	Pawar
47	5047	Rajegaonkar Sneha Sanjay	9623837429	9822513837	Rajegaonkar
48	5048	<b>Sangalge Tushar Umesh</b>	9370169608	9970094462	Sangalge
49	5049	Sangame Rutuja Mahavir	9359740842	9881507076	Sangame
50	5050	Shanbhag Vaishnavi Muralidhar	9860172343	9970739128	Shanbhag
51	5051	Tupe Rutuja Sawanta	9284486505	9975893714	Tupe
52	5052	Varute Nilam Ananda	7058525600	9527080303	Varute



**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

**Tour Incharge**



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2022-2023

CLASS: M. Sc. II Microbiology

TOTAL NUMBER OF STUDENTS: 52

DATES OF STUDY TOUR: 17<sup>th</sup> February, 2023

PLACES OF VISIT: 1) Gadre Marine Industry, Ratnagiri

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

NAMES OF THE TEACHERS ACCOMPANYING: 1) Dr. A. A. Raut  
2) Mr. K. A. Sutar  
3) Miss. S. A. Lohar

DATE & TIME OF DEPARTURE FROM KARAD: 17<sup>th</sup> February, 2023; 06.00 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
17 <sup>th</sup> February, 2023 (10.0 a.m. to 12.30 p.m.)	Gadre Marine Industry, Ratnagiri	Students obtained information about recent fish processing and preservation techniques accomplished in the industry.
18 <sup>th</sup> February, 2023 (10.00 a.m. to 12.30 p.m.)	Visit to Prawn Culture Malvan	Students gained information about current prawn cultivation techniques including the recent research work carried out in that institution.

DATE & TIME OF ARRIVAL AT KARAD: 18<sup>th</sup> February, 2023; 10.00 p.m.



Teacher in-charge



Head of the Department

**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF MICROBIOLOGY**

**Field Visit/Study Tour Report**  
**Academic Year (2022-23)**

**REPORT**

Name of the activity:	Study Tour to Gadre Marine Industry, Ratnagiri & Sugar Research Centre, Napane, Sindhudurg
Date	17 <sup>th</sup> February 2023
Purpose of Program	Development of the interest and awareness of students about the frozen food and various methodologies. Acquire the knowledge about the current challenges in sugar crop and ongoing research.
Study Tour Incharge	Dr. A.A Raut
Total Beneficiaries	52 M.Sc. II Students
No. of Teachers Participated	03
Program outcomes	Students learned various techniques for food preservations and became aware of different frozen foods. Students were made aware of different issues in sugar cane crop development, and ongoing research is being conducted to tackle these issues.

Program Photo:-



  
Tour Incharge



  
Head of the Department  
**HEAD**  
**DEPARTMENT OF MICROBIOLOGY**

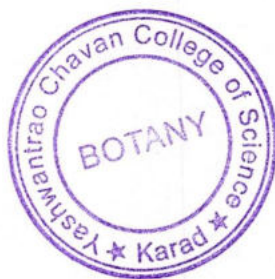


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Saturday, 20/05/2023
<b>Place of visit</b>	Aesthetic Garden Visit
<b>Purpose of the Program</b>	To provide students landscaping and aesthetic garden.
<b>No. of Students Participated</b>	01
<b>No. of Teachers Participated</b>	04
<b>Visit outcomes</b>	The students gained valuable insights about the Aesthetic garden.



**Teacher In-charge**

**Head**

**Department of Botany**

**Head**

**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**

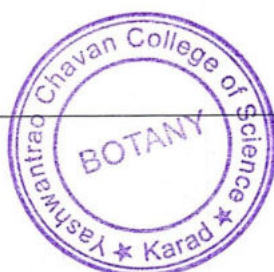
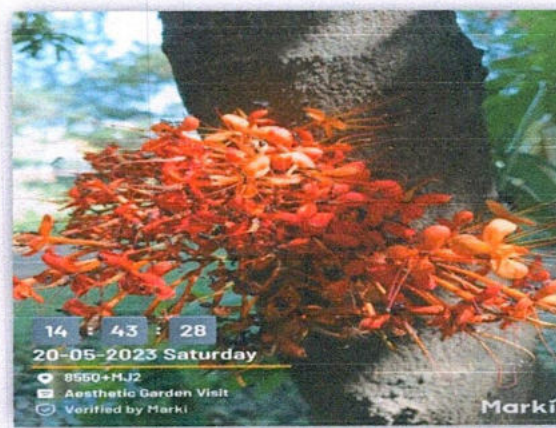
**Principal**

**Principal**

**Yashwantrao Chavan College of Science, Karad**



## Study Tour of B. Sc. Botany Students – Aesthetic Garden Visit





Exam No. : 42108

Roll No. 3441

LAB / F - 19

Date : 28/2/2023  
2015/2023

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD



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Department of Botany

## CERTIFICATE OF STUDY TOUR

This is to certify that, Mr. / Miss. Mayuri Mohan Sutar

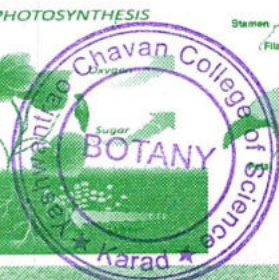
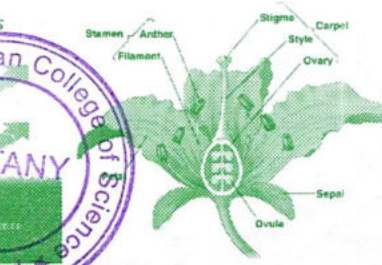
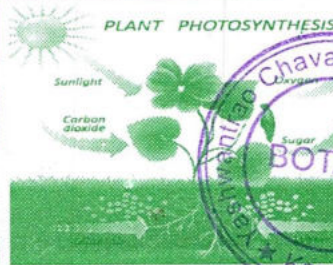
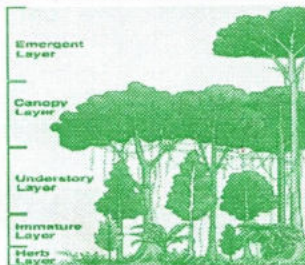
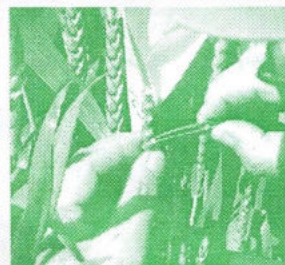
of B. Sc. Part I / II / III of academic year 2022 - 2023 has  
attended the study tour organized by the Department of Botany  
at Aesthetic garden

study site / ~~Research Institute~~ / ~~Industry~~ / ~~Nursery~~ of  
Educational interest on 20/5/2023

  
Teacher in - Charge

  
5/21/5/23  
Examiner

  
Head,  
Department of Botany





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

## **Department of Botany**

### **B.Sc. Part III**

### **Field Visit Report**

### **College Botanical Garden**

Botanical field visit for B.Sc.III (Botany) students was arranged on Saturday, 20/05/2023 at Botanical Garden of Yashwantrao Chavan College of Science, Karad to study the different aesthetic plants of the Garden.

Botanical Garden is adjacent to the college ground and is spread over 1.5 acre of land. The garden has well drained lateritic soil which is an ideal place for the growth of plants. Number of trees, ferns, cycads, conifers, cacti, succulents, shrubs and medicinal plants has been planted in the garden. A beautiful canopy of vegetation is developed all-around garden, which helps for the conservation of humidity and cool weather by giving natural back-up.

Our interest of visit to Botanical Garden was to study the plant diversity. The botanical garden is divided into several sectors such as Fernery, Gymnosperms and Cycads, Medicinal plants, Cacti, Succulents, etc.

#### **Sections observed in Botanical Garden are as follows -**

12. Gymnosperms and cycad
13. Shrubbery
14. Endemic endangered plants
15. Trees
16. Medicinal plants
17. Aquatic plants.
18. Palms
19. Cacti and succulent plants.
20. Polyhouse
21. Bulbous plants
22. Fernery





## GEOGRAPHY AND CLIMATE –

**Locality:** Botanical Garden

**Coordinates:** N17° 18.165 and E 74° 11.284

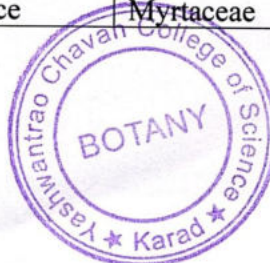
**Altitude:** 573 meter from mean sea level

**Temperature:** 20 - 36°C

**Annual average rainfall:** 1700-2000 mm

### Important Plants observed in Botanical Garden -

Sr. No.	Botanical name	Common name	Family
<b>Pteridophytes</b>			
2.	<i>Nephrolepis exaltata</i> Schoot		Polypodiaceae
<b>Gymnosperms</b>			
9.	<i>Araucaria excelsa</i> R. Br.	Christmas tree	Araucariaceae
10.	<i>Thuja orientalis</i> L.	-	Cuperssaceae
11.	<i>Cycas circinalis</i> Roxb.	-	Cycadaceae
12.	<i>Cycas revoluta</i> Thunb.	-	Cycadaceae
13.	<i>Zamia floridiana</i> L.	-	Cycadaceae
14.	<i>Gnetum ula</i> L.	-	Gnetaceae
15.	<i>Pinus roxburghii</i> Sarger	-	Pinaceae
16.	<i>Podocarpus wallichiana</i> Prest	-	Podocarpaceae
<b>Angiosperms</b>			
54.	<i>Tinospora cordifolia</i> (Willd.) Miers	Gulvel	Menispermaceae
55.	<i>Nymphaea rubra</i> Roxb. ex Salisb.	Kamal	Nympheaceae
56.	<i>Bixa orellana</i> L.	Bixa	Bixaceae
57.	<i>Garcinia indica</i> Choiss	Kokam	Clusiaceae
58.	<i>Calophyllum inophyllum</i> L.	Undi	Guttiferae
59.	<i>Hibiscus rosa-sinensis</i> L.	Jaswand	Malvaceae
60.	<i>Helicteres isora</i> L.	Murudsheng	Sterculiaceae
61.	<i>Pterospermum acerifolium</i> (L.) Willd.	-	Sterculiaceae
62.	<i>Sterculia foetida</i> L.	-	Sterculiaceae
63.	<i>Aegle marmelos</i> (L.) Corr.	Bel	Rutaceae
64.	<i>Azadirachta indica</i> Juss.	Kadunimb	Meliaceae
65.	<i>Swietenia mahagoni</i> Jacq.	Mahogani	Meliaceae
66.	<i>Cissus quadrangularis</i> L.	Hadsandhi	Vitaceae
67.	<i>Butea monosperma</i> Taub	Palas	Fabaceae
68.	<i>Erythrina indica</i> Lamk.	Pangera	Fabaceae
69.	<i>Bauhinia pupurea</i> L.	Kanchan vriksh	Caesalpiniaceae
70.	<i>Caesalpinia pulcherrima</i> (L.) Sw.	Shankasur	Caesalpiniaceae
71.	<i>Cassia fistula</i> L.	Bahava	Caesalpiniaceae
72.	<i>Saraca asoka</i> (Roxb.) Willd.	Sita Ashok	Caesalpiniaceae
73.	<i>Parkia biglandulosa</i> Wt. & Arn.	Chenduphal	Mimosaceae
74.	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Panphuti	Crassulaceae
75.	<i>Terminalia bellerica</i> Roxb.	Behada	Combretaceae
76.	<i>Terminalia catapa</i> L.	Deshi Badam	Combretaceae
77.	<i>Pimenta dioica</i> (L.) Merr.	All Spice	Myrtaceae



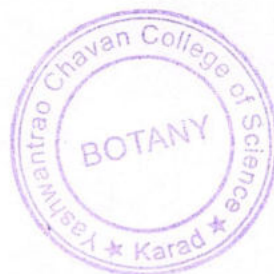


78.	<i>Couroupita guionensis</i> Aubl.	Tophgola	Lecythidaceae
79.	<i>Lagerstroemia reginae</i> Roxb.	Taman	Lythraceae
80.	<i>Lawsonia inermis</i> L.	Mehandi	Lythraceae
81.	<i>Spathodea companulata</i> P. Beauv	Pichkari	Bignoniaceae
82.	<i>Oroxylum indicum</i> (L.) Vent.	Tetu	Bignoniaceae.
83.	<i>Opuntia elatior</i> Mill.	-	Cactaceae
84.	<i>Adina cordifolia</i> B. & H.	Haldu	Rubiaceae
85.	<i>Anthocephalus kadamba</i> (Roxb.) Miq.	Kadmab	Rubiaceae
86.	<i>Coffea arabica</i> L.	Coffee	Rubiaceae
87.	<i>Nyctanthes arbor-tristis</i> L.	Ratrani	Oleaceae
88.	<i>Nerium indicum</i> Mill.	Kanher	Apocynaceae
89.	<i>Calotropis gigantea</i> (L.) R. Br.	Rui	Asclepiadaceae
90.	<i>Gymnema sylvestre</i> R. Br.	Bedkicha pala	Asclepiadaceae
91.	<i>Adhatoda zeylanica</i> Medic	Adulsa	Acanthaceae
92.	<i>Petrea volubilis</i> Woodr.	-	Verbenaceae
93.	<i>Emblica officinalis</i> Gaertn.	Awala	Euphorbiaceae
94.	<i>Putranjiva roxburghii</i> L.	Putranjiva	Euphorbiaceae
95.	<i>Ficus elastica</i> Roxb.	Rubber tree	Moraceae
96.	<i>Hydrilla veticillata</i> (L.f.) Royle	-	Hydrocharitaceae
97.	<i>Ravenala madagascarensis</i> J. E. Gmel.	-	Musaceae
98.	<i>Agave americana</i> L.	Ghaypat	Agavaceae
99.	<i>Aloe vera</i> (L.) Burm. f.	Korphad	Liliaceae
100.	<i>Asparagus racemosus</i> Willd.	Shatavari	Liliaceae
101.	<i>Eichhornia crassipes</i> (Mart.) Solms	Kendal	Pontederiaceae
102.	<i>Rhoeo discolor</i> Hance	-	Commelinaceae
103.	<i>Areca catechu</i> L.	Supari	Arecaceae
104.	<i>Caryota urens</i> L.	Ardhi Supari	Arecaceae
105.	<i>Roystonea regia</i> (H.B. & K) Cook.	Royal Palm	Arecaceae
106.	<i>Bambusa vulgaris</i> Schrad.	Bambu	Poaceae

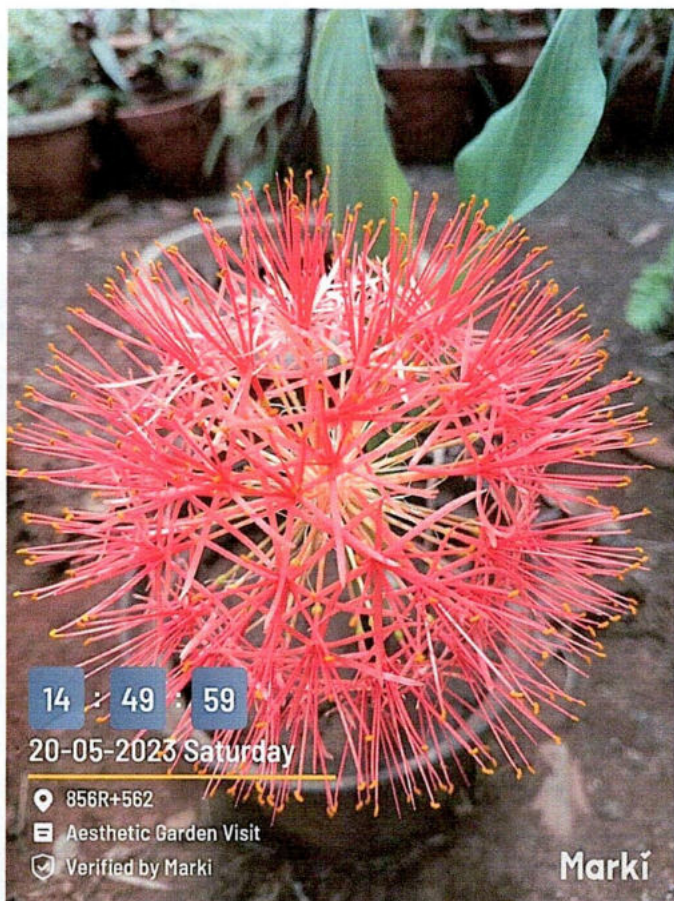
### Objectives of the Botanical Garden:

5. To conserve Rare, Endangered and Threatened (RET) plant species.
6. To educate the people and create awareness on environmental issues, biodiversity, conservation and sustainable utilization of bio-resources.
7. To provide meeting place for scientists, researchers and enthusiasts for discussion and exchange of ideas on environmental issues.
8. To cater the needs such as guidance in nursery techniques, supply of research material and saplings.

*[Handwritten signature]*



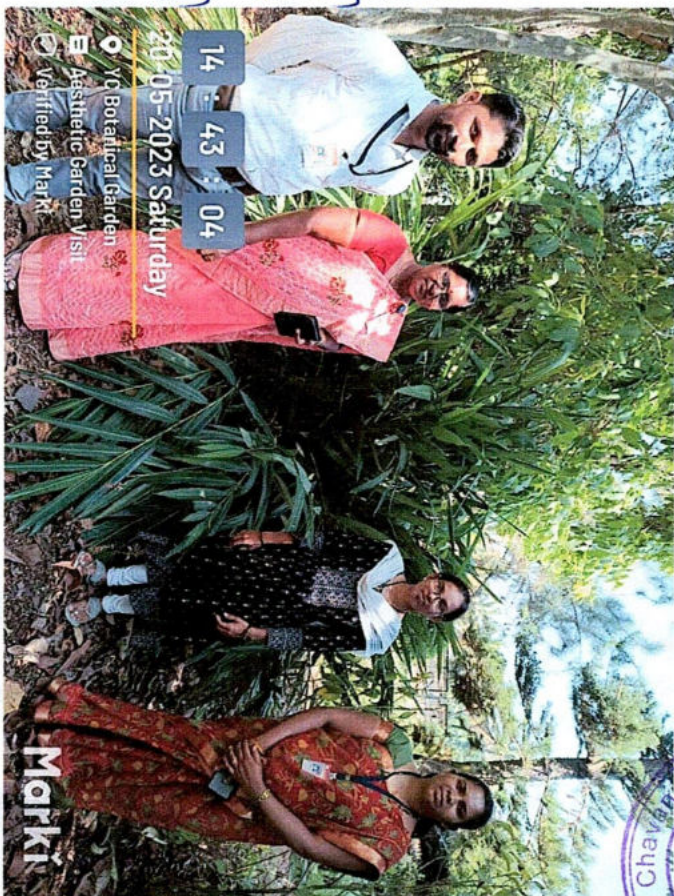




Scadoxus multiflorus  
Family - Amaryllidaceae



Saraca asoca Fabaceae



Yashwantrao Chavan College  
Marki  
Karad

5/6



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Department of Botany**

DATE: 30.04.2023	REF. NO.: YCCSK/LAB/F –
PAGE 01 OF 01.	REV. NO.: 00

**STUDY TOUR PROGRAMME**

Year 2022-2023

CLASS: B.Sc. II

TOTAL NUMBER OF STUDENTS:

DATES OF STUDY TOUR : 15.05.2023

PLACES OF VISIT : Mahableshwar

MODE OF JOURNEY : Hired Vehicle

NAMES OF THE TEACHERS ACCOMPANYING : Dr. S.A. Kirtane, Shri T. J. Shaikh

DATE & TIME OF DEPARTURE FROM KARAD : 15.05.2023 at 7.00 a.m.

DATES & PLACES OF VISIT : 15.05.2023 Mahableshwar

Sr.No. Time Programme


Date: 15.05.2023

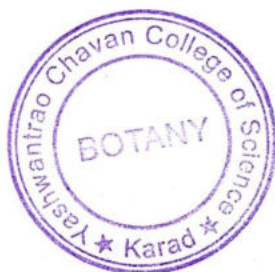
- |   |            |  |
|---|------------|--|
| 1 | 6.30 a.m.  | Y. C. College of Science, Karad.                     |
| 2 | 7.00 a.m.  | Departure to Mahableshwar                            |
| 3 | 10.00 a.m. | Arrival at Gureghar. Study and collection of plants. |
|   |            | Lunch  |
| 4 | 1.30 p.m.  | Departure to Kshetra - Mahabaleshwar & collection.   |
| 5 | 5.00 p.m.  | Departure to sunset point.                           |
| 6 | 6.15 p.m.  | Departure to Karad via Medha, Satara.                |
| 7 | 10.00 p.m. | Arrival at Karad (Approximately).                    |

Students are further informed to bring following things with them -

1. Identity card (Compulsory).
2. Lunch.
3. Pen, Pencil and Notebook.
4. All students have to maintain the discipline & obey the orders of their in- charge.
5. Each & every student should follow the time schedule of tour strictly

**N.B. - Costly articles, not allowed to take.**

  
Teacher In-charge



  
Head

**Head**  
Department of Botany  
Yashwantrao Chavan College of  
Science, Karad



**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
**B.Sc. Part II**  
**Study Tour**

13.05.2023

Students of B.Sc. II (Botany) are on study tour to Mahabaleshwar, on 15<sup>th</sup> May 2023.

This is for information to all concerned.

Class In-charge

  
Head

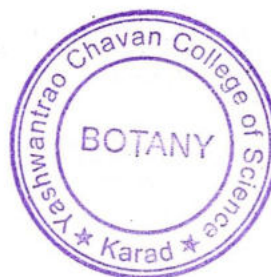
**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
**B.Sc. Part II**  
**Study Tour**

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Class In-charge



  
Head


**Yashwantrao Chavan College of Science, Karad**  
**Department of Botany**  
**B.Sc. Part II**  
**Study Tour**

13.05.2023

Students of B.Sc. II (Botany) are on study tour to Mahabaleshwar, on 15<sup>th</sup> May 2023.

This is for information to all concerned.

Class In-charge

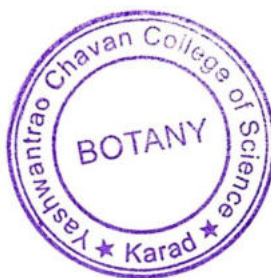
  
Head

**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. II Botany Students
<b>Day &amp; Date</b>	Monday, 15/05/2023
<b>Place of visit</b>	Mahabaleshwar
<b>Purpose of the Program</b>	1. To enhance field knowledge of students. 2. Learn new techniques of field data collection and preservation.
<b>No. of Students Participated</b>	24
<b>No. of Teachers Participated</b>	03
<b>Visit outcomes</b>	Students learnt something new apart from class room teaching. In addition to this, they learned how to write field notes during data collection.



**Teacher In-charge**

**Head**

**Department of Botany**

**Head**

**Department of Botany**  
**Yashwantrao Chavan College of**  
**Science, Karad**

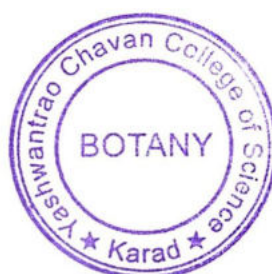
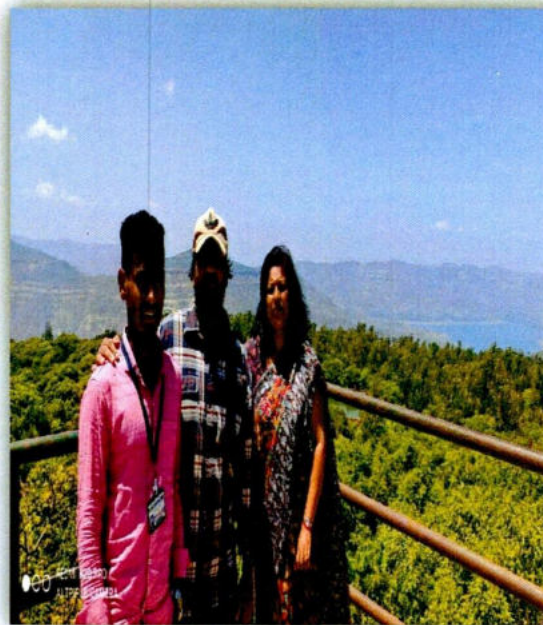
**Principal**

**Principal**

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**Karad**



**Study Tour of B. Sc. Botany Students –  
Mahabaleshwar**





Estd. 1958

LAB / F -27

|| 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, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

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

Ref. No. / 25 / 2022-23

Date: 12.05.2023

To,  
The Director,  
Bhaskar Ayurvedic Aushdhalaya,  
A-43, MIDC Kadegaon,  
Dist- Sangli 415304

Sub.- About visit...

Sir,

We are happy to state that we are running undergraduate courses in the subjects of Botany. Where students are required to visit some Herbal industry.

This year we wish to visit your renowned organization affianced in manufacturing, wholesaling, retailing, exporting and importing premium quality range of ayurvedic medicines, herbal products etc. on 12.05.2023. I request you kindly to permit their visit and oblige.

Thanking you and with regards.

Yours sincerely,

  
Principal

Yashwantrao Chavan College of Science  
Karad



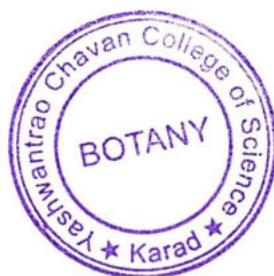


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Botany Students
<b>Day &amp; Date</b>	Friday, 12/05/2023
<b>Place of visit</b>	Bhaskar Ayurvedic Aushdhalaya, A43 MIDC, Kadegaon, Sangli
<b>Purpose of the Program</b>	To provide students with hands-on, real world experience which complement theoretical knowledge gained in classroom and understand practical applications of their studies.
<b>No. of Students Participated</b>	01
<b>No. of Teachers Participated</b>	03
<b>Visit outcomes</b>	The students gained valuable insights about the subjects matter through the interactions with subject experts of the institutes.



**Teacher In-charge**

**Head**

**Department of Botany**

**Head**

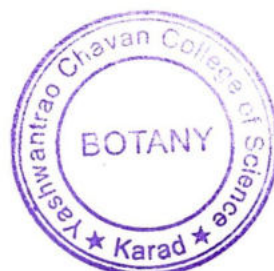
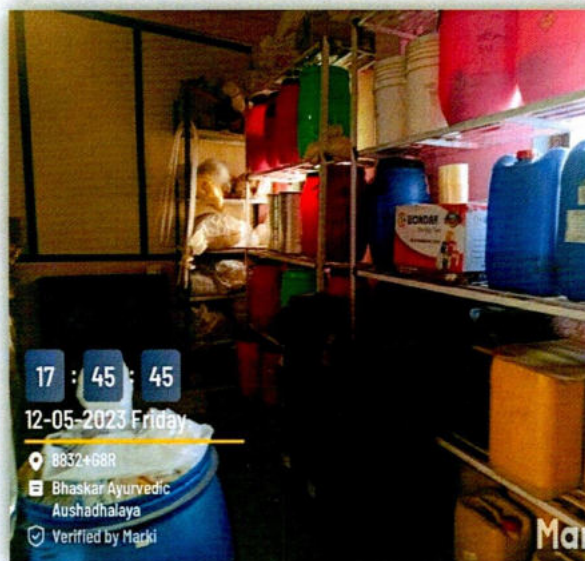
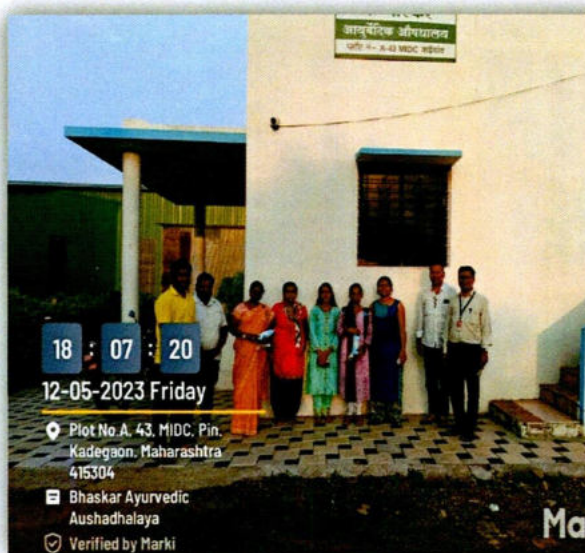
**Department of Botany  
Yashwantrao Chavan College of  
Science, Karad**

**Principal**

**Principal**

**Yashwantrao Chavan College of Science, Karad**

**Study Tour of B. Sc. Botany Students –  
Bhaskar Ayurvedic Aushdhalaya, A43 MIDC, Kadegaon, Sangli**





Exam No.: 42108  
Roll No. 3441

Date: 18/05/2023

LAB / F - 19

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, Karad - 415 124  
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AN ISO 9001:2015 CERTIFIED COLLEGE  
Reg: RQ91/5237

Department of Botany

## CERTIFICATE OF STUDY TOUR

This is to certify that, Mr. / Miss: Satar Mayuri Mohan

of B.Sc. Part I/II/III of academic year 2022 - 2023 has  
attended the study tour organized by the Department of Botany  
at Bhaskar Ayurvedic Aushadhalaya  
study site / Research Institute / Industry / Nursery of  
Educational interest on 12/05/2023

Teacher in - Charge

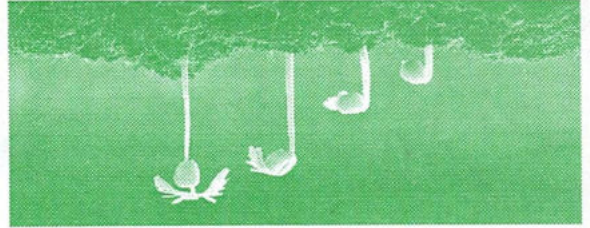
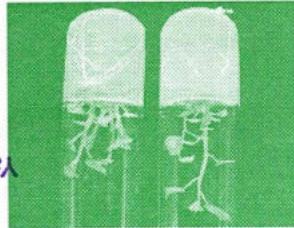
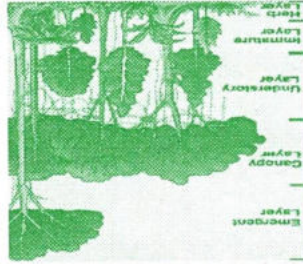
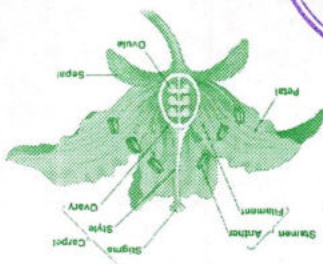
*[Signature]*

Examiner

*[Signature]*

Head,  
Department of Botany

*[Signature]*





**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**Pharma Industry Visit Report**

**B.Sc. III Botany**

An Industrial Visit to **Bhaskar Ayurvedic Aushadhalaya**, Plot No. A43, Midc Kadegoan, Dist Sangli, Karad was organized by Department of Botany, Yashwantrao Chavan College of Science, Karad on Friday, 12 May 2023. Number of Students with three faculty members visited **Bhaskar Ayurvedic Aushadhalaya**. They interacted with the pharmaceutical industry to understand different departments and processes of pharma industries with novel approaches. During this visit, students were very eagerly waiting for listening to industrial higher authorities.

When we reached the industry, Hr personnel of the industry welcome us and drive us to the meeting room where we introduce our students to Hr. personal and introduced himself and other members to the students. They introduced students to the various department of the company. The Hr. personnel and HODs of different departments drove us to visit different departments like the warehouse, production (Manufacturing) department, Quality control department, Quality assurance department, Primary and secondary packaging department, etc. In all departments, departmental HODs have given us information regarding their respective department.

**BHASKAR AYURVEDIC AUSHADHALAYA**

Bhaskar Ayurvedic Aushadhalaya was established in the year 1982. This company deals in ayurvedic products, oil and veterinary products. The major objective of this company is to provide their customers a provide a wide array of products. Harish Bhaskar Palkar is the owner of this company. They have very good quality products that too in affordable range that anyone

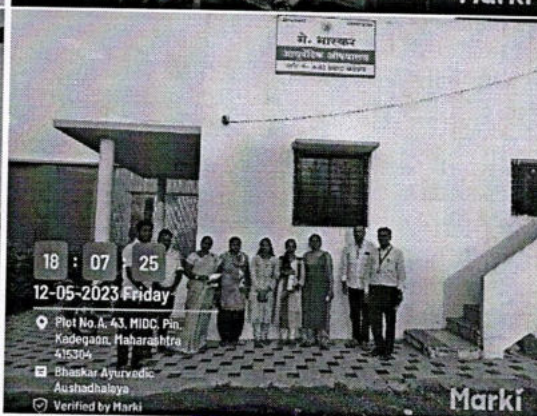
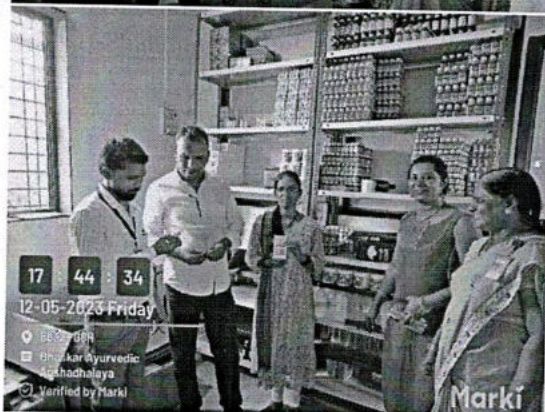
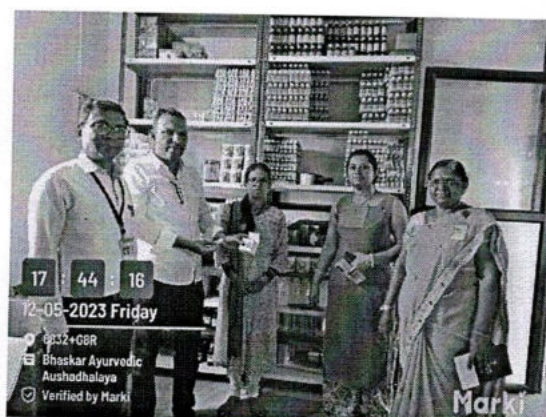




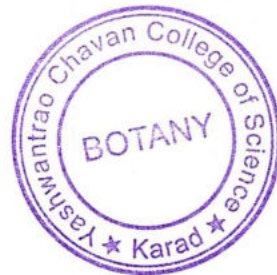
can buy it without investing a lot on it. During visit they said that, one can start distributorship in ayurvedic products, oils and veterinary products with 'BHASKAR AYURVEDIC AUSHADHALAYA'. They offer high profit margin if you start business with this company.

Different ayurvedic products are provided by the Bhaskar Ayurvedic Aushadhalaya such as –

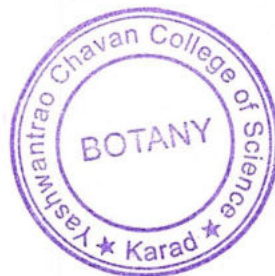
- 1) Castor oil
- 2) Sesame Oil
- 3) Mustard Oil
- 4) Eucalyptus Oil
- 5) Karaj Oil
- 6) Neem Oil
- 7) Clove Oil
- 8) Rose water
- 9) Amla Powder
- 10) Ritha Powder
- 11) Mehendi Powder
- 12) Shikakai Powder
- 13) Deesha Chandan Face Pack
- 14) Chandan Perfumed Powder
- 15) Ambe Halad Powder

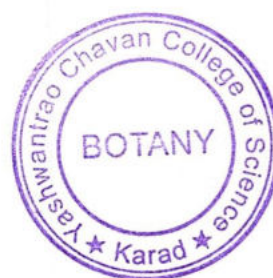




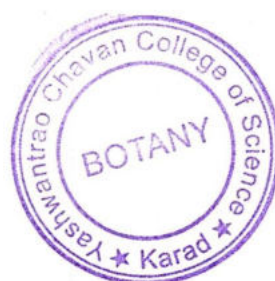
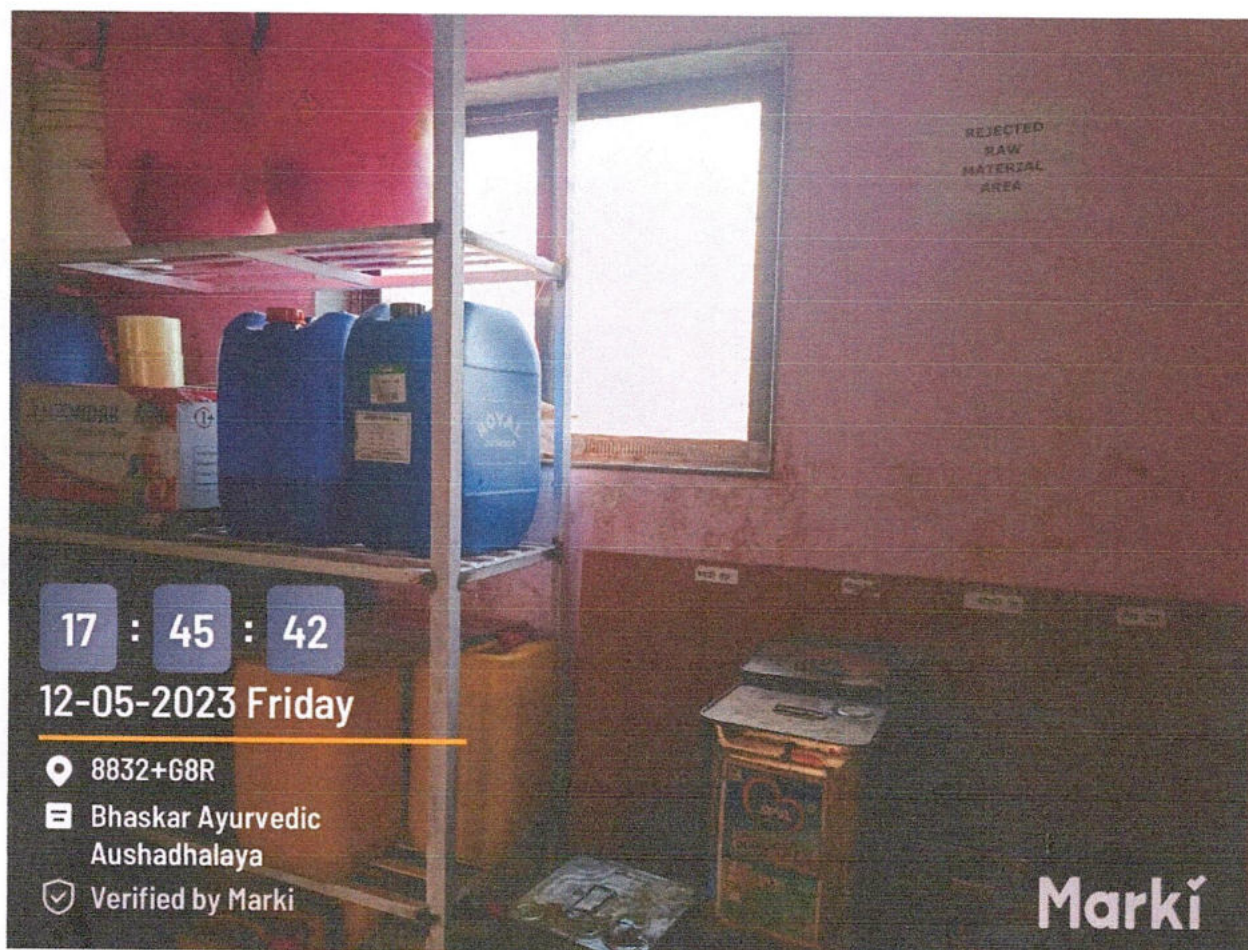










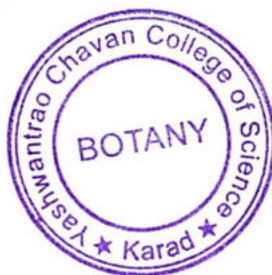


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. I, II Botany Students
<b>Day &amp; Date</b>	Saturday, 29/04/2023
<b>Place of visit</b>	Botanical Garden, Yashwantrao Chavan College of Science, Karad
<b>Purpose of the Program</b>	To provide students with hands-on, real-world experiences which complement theoretical knowledge gained in the classroom and understand practical applications of their studies
<b>No. of Students Participated</b>	92
<b>No. of Teachers Participated</b>	02
<b>Visit outcomes</b>	Students learnt new botanical plants with respect to its utilization. They also saw poly house and grass collection in it. Garden had all sort of plants form Algae to Angiosperms.



Teacher In-charge

Head

Department of Botany

**Head**

Department of Botany  
Yashwantrao Chavan College of  
Science, Karad

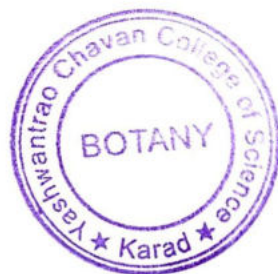
Principal

**Principal**

Yashwantrao Chavan College of Science  
Karad

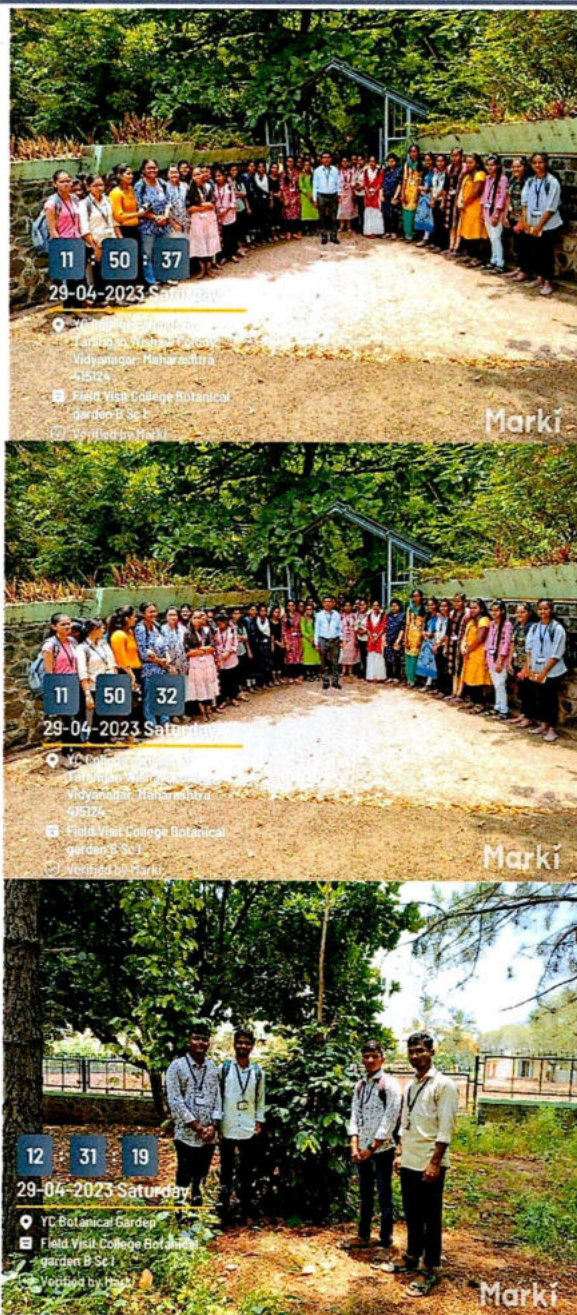


**Study Tour of B. Sc. Botany Students –  
Botanical Garden, Yashwantrao Chavan College of Science, Karad**





**Study Tour of B. Sc. Botany Students –  
Botanical Garden, Yashwantrao Chavan College of Science, Karad**





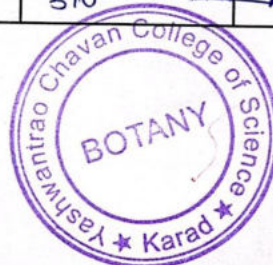
**Yashwantrao Chavan College of Science, Karad**

Department of Botany

Field Visit to College Botanical Garden

Date: 29/4/2023

Sr. No.	Name of student	Roll No.	Sign.
✓ 1.	Kumbhar Daxshana Utham	329	<u>Kumbhar</u>
2.	Babar Apurva Abasaheb	392	<u>Babar</u>
✓ 3.	mali Sakshi Prakash	336	<u>Mali</u>
✓ 4.	Mane Rutuja Rajaram	383 <sup>383</sup>	<u>Mane</u>
✓ 5.	Mane Isha Rajaram	338	<u>Mane</u>
✓ 6.	Pawar Ankanksha Ashok	353 <sup>353</sup>	<u>Pawar</u>
7.	Jambhole Surarna Akash	320	<u>Jambhole</u>
8.	chavan Vaishnavi Vishwas	397	<u>Chavan</u>
9.	Chinchkar Tejaswi Gajanan	299	<u>Chinchkar</u>
10.	Sabale Vishakha Vishwas	361	<u>Sabale</u>
11.	Patil Diksha Dinka	239	<u>Patil</u>
12.	Pawar Anjali Navnath	247	<u>A.N. Pawar</u>
13.	Vaishnavi Sandip Dalavi	300	<u>S.D. Dalavi</u>
14.	Pratiksha Ganaji Gurav	209	<u>Pratiksha</u>
15.	Desai Vaishnavi Niwas	200	<u>Desai</u>
16.	Tate Mandavi Paghunath	373	<u>Tate</u>
17.	Jule Vaishnavi Avinash	369	<u>Jule</u>
✓ 18.	Khavale Prajakta Dipak	328	<u>Khavale</u>
19.	Kadam Sakshi Sanjoy	322	<u>Kadam</u>
✓ 20.	Patil Saraswati Shivaji	350	<u>S. Patil</u>
21.	Dixit Apurva Nilkamth	304	<u>Dixit</u>
22.	Pisal Ankita Prakash	359	<u>Pisal</u>
✓ 23.	Awale Tejaswini Nitin	426	<u>T. N. A</u>
24.	phadkar Poonam Rajaram	350	<u>P. R. S.</u>
25.	Pawar Sakshi Kumar	423	<u>Pawar</u>
26.	Kanse Vaishnavi Pandurang	325	<u>Kanse</u>
27.	Jagtap Pratiksha Rakaso	316	<u>P.K. Jagtap</u>





Date 29/4/2023

28)	Pawar Shreya Bapurao	429	<del>Sapner</del>
29	Patil Amruta Vijay Kumar	421	Patil
30	Mujawar Fiza Jamir	385	<del>Lijawar</del>
31	Vaishnavi Jagnath Desai	413	<del>Vaishnavi</del>
32	Ghadage Dhanashri Sanjay	203	<del>Ghadage</del>
33	Jagtap Aishwarya Shankar	215	<del>A.S. Jagtap</del>
34	Patil Rutuja Arvind	242	<del>R.A. Patil</del>
35	Ghorai Sandharani Vitthal	306	<del>Ghorai</del>
36	Gayatri Pramod Katwate	427	<del>Gayatri</del>
37	Sejal Anil Kumbhar	417	<del>Sejal</del>
38	Jadhav Nilam Ganesh	311	<del>Jadhav</del>
39	Jadhav Pratiksha Ramachandra	312	<del>Jadhav</del>
40	Bardol Tabassum Moula	291	<del>Bardol</del>
41	Dhas Sakshi Mahadev	302	<del>Dhas</del>
42	Shruti Lokhande	418	<del>Shruti</del>
43	Jsha Ravindra Jadhav	419	<del>JR Jadhav</del>
44	Rasika Sambhaji Parare	422	<del>Rasika</del>
45	Patil Samadhi Sachin	386	<del>Patil</del>
46	Jadhav Vishokha Popat	387	<del>VJadhav</del>
47	Waghmare Komal Babun	377	<del>Waghmare</del>
✓ 48	Mane Pratiksha Srinabhau	340	<del>Mane</del>
49	Yadav Sayali Pandit	379	<del>Sayali</del>
50	Jadhav Dhanashri Rajaram	395	<del>Jadhav</del>
51	Snawak Samata Ghanshyam	368	<del>Samata</del>
52	Thorat Vaishnavi Anil	265	<del>Thorat</del>
53	Salunkhe Dipi Vinod	275	<del>Salunkhe</del>
54	Thorat Anushka Tanaji	287	<del>Thorat</del>
55	Thorat Sakshi Subas	276	
56	Kamble Utkarsho Rajendra	323	<del>Kamble</del>
57	Disale Sonali Shashikanth	303	<del>Disale</del>

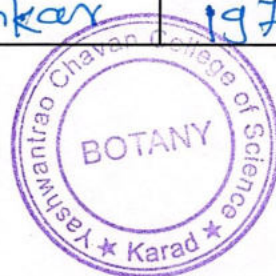




29/4/2023

58	Rohit sunil Ravidhone	252	A.S.R
59	aditya ramesh mune	228	<del>AD</del>
60	Ajinkya totoba ingale	208	Ajinkya
61	mayur Jalindar Thorat	264	Thorat
62	Prasad Dattatray shinde	259	<del>Prasad</del>
63	Prasad Sunjay Jadhav	212	<del>Prasad</del>
64	Prathamesh Janaji ingale	209	<del>Prasad</del>
65	Aniket Anikush Jadhav	210	<del>Aniket</del>
66	Rohan Kishor Jadhav	213	<del>Prasad</del>
67	Sankhe atharv arvind	437	<del>AD</del>
68	aryan anil mane	228	A.mane
69	Bhosale vedant Anandesh	435	<del>AD</del>
70	mane Sahil Sambhaji	229	SS.M
71	Kartik krushnat Kadan	217	<del>AD</del>
72	Bansode Avishkar Raju	411	Avishkar
73	Prathemsh Ashok Kadam	416	<del>Prasad</del>
74	Aditya Rajendra Chauhan	273	Chauhan
75	Nabil Asif Mulla	420	<del>AD</del>
✓ 76	Husen maulabli Mayawar	463 <sup>343</sup>	H.M.M
77	Jadhav Shirsaj Kakasaheb	314	<del>AD</del>
78	Rathod Sunny Subhash	251	<del>Rathod</del>
79	Thorat Tejas Raghunath	390	<del>AD</del>
80	Yedage Abhilash Bhagwat	346	<del>AD</del>
81	Indulkar Aniket Vasant	309	<del>AD</del>
82	Chavan Pranav Vilas	196	<del>Chavan</del>
✓ 83	Kumbhar Samarth M.	331	<del>AD</del>
84	Mohite Dhawalraj Vilas	383	<del>Mohite</del>
85	Babbar Aditya Krishna	191	<del>AD</del>
86	Ingale Karatik Prasantkumar	310	<del>AD</del>
87	Chavan Shashil Dinkar	197	<del>Chavan</del>

Landage







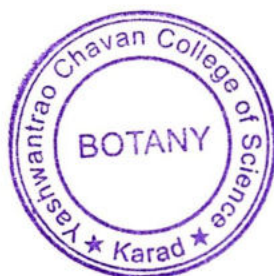


**Yashwantrao Chavan College of Science, Karad**

**Department of Botany**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. I, II Botany Students (Study of <i>Gnetum</i> )
<b>Day &amp; Date</b>	Wednesday, 30/11/2022
<b>Place of visit</b>	Botanical Garden, Yashwantrao Chavan College of Science, Karad
<b>Purpose of the Program</b>	To provide students with hands-on, real-world experiences which complement theoretical knowledge gained in the classroom and understand practical applications of their studies
<b>No. of Students Participated</b>	45
<b>No. of Teachers Participated</b>	01
<b>Visit outcomes</b>	Students learnt Taxonomy of <i>Gnetum</i> .



Teacher In-charge

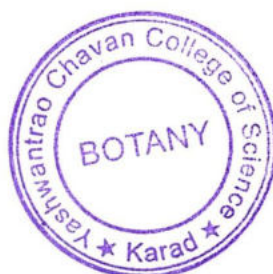
Head

Department of Botany  
**Head**  
Department of Botany  
Yashwantrao Chavan College of  
Science, Karad

Principal

**Principal**  
Yashwantrao Chavan College of Science  
Karad

## Study Tour of B. Sc. Botany Students – Botanical Garden







**Yashwantrao Chavan College of Science, Karad**  
**Department of Computer Science**  
**Industrial Visit 2022-23**  
**NOTICE**

**Date: 10.03.2023**

To all Students of the M.Sc. CS I, B.Sc. CS Optional III and B.Sc. CS Entire III are hereby inform that the industrial visit has been organized at **BIYANI TECHNOLOGIES PVT Ltd, Kolhapur** on 24<sup>th</sup> March, 2023. You have to pay contribution Rs. 1000/- to Mrs. S. G. Padyal Madam by 20<sup>th</sup> March, 2023.

  
Tour In- Charge



  
Head  
**Department of Computer Science**  
**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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref.: CS-WKSP/ 446 /2022-23

Date: 24.03.2023

To,  
Manager HR,  
Biyani Technologies Pvt. Ltd  
Kolhapur.

**Subject: Request for permission to visit your software company**

Respected Sir,

As a part of educational tour, students of B.Sc. III (CS)(Entire)  
84 Students & B.Sc. III (CS)(Optional) 28 Students from Yashwantrao  
Chavan College Of Science, Karad Department of Computer Science  
accompanied by 06 faculty members wish to visit your reputed organization  
(Biyani Technologies Pvt. Ltd, Kolhapur) on 24/03/2023.

I Request you to grant permission for Visit for valuable guidance

Thanking you,

Yours faithfully,

**Head**

Department of Computer Science  
Yashwantrao Chavan College of Science,  
Karad



**Principal**

Yashwantrao Chavan College of Science, Karad



24/3/23



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, 271357

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Date: 24.03.2023

To,  
Manager HR,  
Biyani Technologies Pvt. Ltd  
Kolhapur.

**Subject: Request for permission to visit your software company**

Respected Sir,

As a part of educational tour, students of M.Sc. (CS)- I 10 Students, B.Sc. III (CS)(Entire) 84 Students & B.Sc. III (CS)(Optional) 28 Students from Yashwantrao Chavan College of Science, Karad Department of Computer Science accompanied by 06 faculty members wish to visit your reputed organization (Biyani Technologies Pvt. Ltd, Kolhapur) on 24/03/2023.

I Request you to grant permission for Visit for valuable guidance

Thanking you,



Yours faithfully,

Principal,  
Yashwantrao Chavan College,  
of Science, Karad

Head  
Department of Computer Science  
Yashwantrao Chavan College of Science,  
Karad

**Yashwantrao Chavan College of Science, Karad**

**Department of Computer Science**

**M.Sc. CS I & B.Sc. III CS (Entire & Optional)**

**Industrial Visit 2022-23**

**Date :- 24.03.2023**

**Day :- Friday**

**Schedule**

1) **Date of Departure and arrival :- 24 March 2023 (One day)**

- a) Gathering of student and staff :- 6:30 am
- b) Departure from Karad :- 7:00 am
- c) Biyani Technology Pvt. Ltd. Kolhapur :- 11:00 am-1:00pm
- d) Lunch :- 1:00 pm to 1:30pm
- e) Kaneri Math Kolhapur :- 1:30-2:00 pm
- f) Departure for Karad :- 5:30 pm
- g) Arrival at Karad :- 7:00pm

  
**Tour in-Charge**



  
**Head**

**Department of Computer Science**  
**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

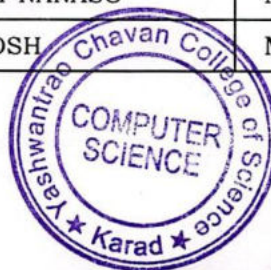
**DEPARTMENT OF COMPUTER SCIENCE**

**Industrial Visit List B.Sc.CS (Entire & Optional) - III 2022-23**

**Gadi No.1**

**Date - 24/03/2022**


Sr.No.	Roll No.	Name of the Students	Gen.	Mobile No.	Signature
1	3381	KACHARE ROHAN MUKUND	M	8007428142	R Kachare
2	3383	PISAL ADITYA VILAS	M	8805226167	Aditya
3	3386	SUPNEKAR SUMIT BHAGWAN	M	8628048235	Sumit
4	3388	KHATAVKAR ROHAN SANTOSH	M	7588159251	Rohan
5	3389	RAUT NIRANJAN JAGANNATH	M	7709228038	Niranjan
6	3390	KUMBHAR PRATHMESH VAIBHAV	M	7058056910	Prathmesh
7	3391	MOHOLKAR VIKRANT ANIL	M	9579274770	Vikrant
8	3394	PISAL VISHAL BHAUSO	M	9359028339	Vishal
9	3395	BAMANE AKASH BALKRISHNA	M	7620875490	Akash
10	3399	BAVDEKAR BHUSHAN KAKASO	M	4798347969	Bhushan
11	3400	PATIL SHUBHAM GORAKHNATH	M	9673063010	Shubham
12	3401	MORE SURAJ ANIL	M	9175742869	Suraj
13	3402	MULANI ALTAMASH MAHAMMAD	M	8805226117	Altamash
14	3409	PHADATARE KUNAL SHAILESH	M	9359558140	Kunal
15	3410	KAMBALE ADITYA DIGAMBAR	M	8459634032	Aditya
16	3471	PAWAR SWAPNIL DADASAHEB	M	9834926254	Swapnil
17	3403	SUTAR SANTOSH DINKAR	M	8805226167	Sutar
18	3405	KUMBHAR YOGESH VILAS	M	7066058386	Yogesh
19	9502	AVATE SUSHANT NAMDEV	M	7249165510	Sushant
20	9505	BHUJBAL PRANAY YASHWANT	M	9767708487	Pranay
21	9506	CHAVAN JAGDISH VINAYAK	M	9172703112	Jagdish
22	9507	CHAVAN OMKAR VINAYAK	M	9028946295	Omkar
23	9508	CHAVAN PRAJVAL UMESH	M	8855850677	Prajval
24	9509	CHAVAN PRATIK PRAMOD	M	7558298086	Pratik
25	9514	DESHMUKH ISHWAR LAXMAN	M	8530462054	Ishwar
26	9518	DEVKAR PRAJWAL SURESH	M	8380289646	Prajwal
27	9524	GOSAVI VAIBHAV CHANDRAKANTPURI	M	9141910101	Vaibhav
28	9525	JADHAV ADITYA PRAKASH	M	7020463545	Aditya
29	9526	JADHAV AKASH HINDURAO	M	7709989996	Akash
30	9531	JADHAV SANKET RAMCHANDRA	M	9168080268	Sanket
31	9533	JADHAV VISHWAJEET NANASO	M	8459745368	Vishwa
32	9535	KADAM ROHIT SANTOSH	M	8999490122	Rohit





Sr.No.	Roll No.	Name of the Students	Gen.	Mobile No.	Signature
33	9536	KADAM SOHAM UDAY	M	9503723203	Soham
34	9537	KADAM VIRAJ SUJAY	M	9325938948	Viraj
35	3382	MORE PRIYANKA SATISH	F	7620495402	Priyanka
36	3384	SAWANT SNEHAL SAMPAT	F	9579415580	Snehal
37	3385	SHEWALE ROSHNI SIDHESHWAR	F	9021026703	Roshni
38	3387	KUMBHAR PRIYANKA RAMESH	F	7796930116	Priyanka
39	3392	CHAVAN SHRAVANI PANDHARINATH	F	8180017975	Shravani
40	3396	GHORPADE SUNITA JYOTIBA	F	7269018860	Sunita
41	3397	KADAM SAYALI GANESH	F	9421382308	Sayali
42	3406	PISAL ASMITA SANJAY	F	9325979637	Asmita
43	3407	PAWAR SNEHA SANJAY	F	7420999465	Sneha
44	3408	JADHAV VAISHNAVI VIJAY	F	7028988876	Vaishnavi
45	9504	BHOSALE NIKITA MANOHAR	F	9284008625	Nikita
46	9510	CHAVAN VAISHNAVI VIJAY	F	9322969256	Vaishnavi
47	9511	CHOPADE RUTUJA SHASHIKANT	F	9579164557	Rutuja
48	9512	DANGE ANUJA SUNIL	F	7058469203	Anuja
49	9513	DESAI PALLAVI SHARADCHANDRA	F	9657263601	Pallavi
50	9515	DESHMUKH PRITI ANKUSH	F	7769969001	Priti
51	9516	DESHMUKH SAYALI SUNIL	F	7820838208	S.S. Deshmukh
52	9517	DESHMUKH VINITA BHANUDAS	F	7378931747	V.B. Deshmukh
53	9519	DOLE AISHWARYA DATTATRAY	F	9373739387	Aishwarya
54	9520	DUBAL DIPTI SUDHAKAR	F	9699296042	D.D. Dubal
55	9521	DUBAL GAYATRI SANTAJI	F	8603947797	G.D. Dubal
56	9522	GARUD PRANALI UTTAM	F	9322745286	Garud
57	9528	JADHAV PRANALI ANIL	F	7498689994	Pranali



for   
**Head**  
 Department of Computer Science  
 Yashwantrao Chavan College of Science,  
 Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

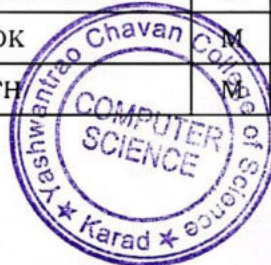
**DEPARTMENT OF COMPUTER SCIENCE**

**Industrial Visit List B.Sc.CS (Entire & Optional) - III 2022-23**

**Gadi No.2**

**Date - 24/03/2023**


Sr.No.	Roll No.	Name of the Students	Gen.	Mobile No.	Signature
1	9532	JADHAV SAYALI HANMANTRAO	F	9168670771	<i>Jadav</i>
2	9534	JAMALE NEHA BAJIRAO	F	7058395821	<i>NJamale</i>
3	9538	KALANTRE NIKITA HINDURAO	F	9823301697	<i>Nikita</i>
4	9539	KAMBLE SAKSHI DILIP	F	8600636177	<i>218ft</i>
5	9543	KUMBHAR VAISHNAVI DEVDATTA	F	8668990011	<i>VKumbhar</i>
6	9544	LIMBARE PRAJAKTA PRAKASH	F	8555172946	<i>Pimbare</i>
7	9546	MALI SNEHAL TUKARAM	F	9356986871	<i>Snehal</i>
8	9547	MANE PRAJAKTA DHANAJI	F	8263823599	<i>Prajakta</i>
9	9551	MORE AACHAL PANDIT	F	8767037691	<i>Amore</i>
10	9552	MUJAWAR AFSANA RAFIK	F	9175573802	<i>Mujawar</i>
11	9553	MULLA KAJAL SALIM	F	9195545229	<i>Kajal</i>
12	9560	PATIL NIKITA NAVANATH	F	8668255304	<i>NPatil</i>
13	9564	PATIL SHIVANI RAVINDRA	F	8129102770	<i>Shivani</i>
14	9565	PATIL SIDDHI NANDKUMAR	F	7758970199	<i>NPatil</i>
15	9566	PATIL SNEHAL RAHUL	F	8999638901	<i>SPatil</i>
16	9567	PAWAR AKANKSHA VIJAYSINH	F	9284959473	<i>Pawar</i>
17	9569	PAWAR SHREYA PANDURANG	F	9763350815	<i>S.P.Pawar</i>
18	9570	PAWAR VAISHNVEE PRASAD	F	9766666209	<i>Pawar</i>
19	9573	POL SHREYA RAJENDRA	F	1307193419	<i>Pol</i>
20	9586	SHIKALGAR KARISHMA LALA	F	8767885055	<i>Karishma</i>
21	9592	SUTAR PRAGATI MADHUKAR	F	9188033560	<i>Pragati</i>
22	9594	THORAT SARVDNYA DILIP	F	7743997921	<i>Thorat</i>
23	9595	THORAT SNEHAL DHANAJI	F	7028900233	<i>Thorat</i>
24	9542	KUMBHAR ADARSH MADHUKAR	M	9011272170	<i>Adarsh</i>
25	9545	MALAVE CHAITANYA DURYODHAN	M	9021758023	<i>Malave</i>
26	9548	MANE SANGRAM UDAYSING	M	7059222121	<i>Mane</i>
27	9554	NADAF NIHAL RAFIK	M	9373411260	<i>Nadaf</i>
28	9555	NADAF SAHIL AINU	M	7972080767	<i>Nadaf</i>
29	9556	NANGARE UTKARSH SANJAY	M	9665645931	<i>Nangare</i>
30	9557	OZARDEKAR SHIVAM DHANANJAY	M	9359063307	<i>Shivam</i>
31	9559	PATIL HRISHIKESH ASHOK	M	9765305817	<i>Patil</i>
32	9561	PATIL OMKAR JAGANNATH	M	901289810	<i>Patil</i>





Sr.No.	Roll No.	Name of the Students	Gen.	Mobile No.	Signature
33	9563	PATIL PARTH PRAMOD	M	7083048527	<u>P.Patil</u>
34	9568	PAWAR KUNAL MANSING	M	8177965463	<u>Kunale</u>
35	9571	PAWAR VIRAJ VIVEK	M	8888192550	<u>Pawar</u>
36	9572	PHALLE SOMNATH MAHESH	M	8080999677	<u>S.Phalle</u>
37	9574	POL SUSHANT YASHWANT	M	7071730802	<u>S.Pol</u>
38	9577	SAGARE VIKRAM VISHWAS	M	7498795622	<u>Sagare</u>
39	9578	SALUNKHE AJAY SAMBHAJI	M	88755835102	<u>Balunke</u>
40	9581	SANKPAL PRATIK DILIP	M	9623273606	<u>Sankpal</u>
41	9582	SANKPAL RAHUL VIJAY	M	7620102591	<u>Sankpal</u>
42	9583	SHEDAGE SAHIL TANAJI	M	7083287070	<u>Shedage</u>
43	9584	SHEJWAL MAYUR SURYAKANT	M	8177984236	<u>Shejwal</u>
44	9585	SHEWALE RUTIK BAJIRAO	M	7378723878	<u>Shevale</u>
45	9587	SHIKALGAR TOHID IBRAHIM	M	8999213535	<u>Shikalgar</u>
46	9588	SHINDE OMKAR SAGAR	M	937082881	<u>Shinde</u>
47	9590	SURVE SHUBHAM JAGANNATH	M	9145162445	<u>Surve</u>
48	9591	SURYAVANSHI JAYESH SURESH	M	9359602720	<u>Suryavanshi</u>
49X	9593	TAWAR MANISH DEEPAK	M	9356855131	<u>Tawar</u>
50	9596	TODKAR ASHISH TATYABA	M	8855849955	<u>Todkar</u>
51	9597	VARKAD AADESH ANIL	M	9607696716	<u>Varkad</u>
52	9598	WADATE TEJAS VINOD	M	7387242635	<u>Wadate</u>
53	9600	YADAV ANIKET ANIL	M	8975847806	<u>Yadav</u>
54	9601	YADAV PRATIK BAPURAO	M	9112851157	<u>Yadav</u>
55	9602	YADAV SAIRAJ PRASHANT	M	7219483048	<u>Yadav</u>

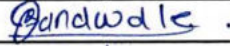

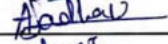
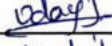
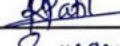
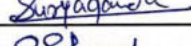
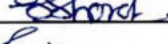



  
**Head**  
 Department of Computer Science  
 Yashwantrao Chavan College of Science,  
 Karad



**Yashwantrao Chavan College Of Science, Karad**  
**Department Of Computer Science**  
**Industrial Visit 2022-2023**  
**M.Sc.CS Part I**

Date- 24/03/2023

Sr No	Roll No	Name of Students	Signature
1	9751	DANAWALE MANASI SUNIL	
2	9752	DESAI ABHISHEKH RAMESH	
3	9753	GURAV MADHAVI AJAY	
4	9754	JADHAV AKHILA ARUN	
5	9755	JADHAV UDHAY SHANKAR	
6	9756	KADAM ANKITA VILAS	
7	9757	PATIL RAJANI JAGANNATH	
8	9758	SURYAGANDH POONAM ARUN	
9	9759	THORAT SHAMBHURAJ SHIVAJI	
10	9760	WADKAR SIDDHANT UMESH	



  
**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**

**Yashwantrao Chavan College of Science, Karad**

**Department of Computer Science**

**M.Sc. CS I & B.Sc. III CS (Entire & Optional)**

**Industrial Visit 2022-23**

**Date :- 24.03.2023**

**Day :- Friday**

- 1) **Name of the Department :-** Computer Science
- 2) **Class and Subject for which tour arranged :-** M.Sc. CS I, B.Sc. III CS (Entire & Optional)
- 3) **No. of students accompanying :-** 122(70 Boys and 52 Girls)

**Students List is enclosed hear with**

- 4) **Place of visits and approximate distance of traveling**

Places :- Biyani Technology Pvt. Ltd. Kolhapur

Distance :- 300km(approx.)

- 5) **Date of Departure and arrival :-** 24 March 2023 (One day)

- a) Gathering of student and staff :- 6:30 am
- b) Departure from Karad :- 7:00 am
- c) Biyani Technology Pvt. Ltd. Kolhapur :- 11:00 am-1:00pm
- d) Lunch :- 1:00 pm to 1:30pm
- e) Kaneri Math Kolhapur :- 1:30-2:00 pm
- f) Departure for Karad :- 5:30 pm
- g) Arrival at Karad :- 7:00pm

- 6) **Mode of journey :-** Private Vehicle

- 7) **Name of the Staff accompanying tour :-** Mr. Mulla A. A.

Mrs.Nalawade A.V., Mrs.Jirange A.G., Mrs.Padyal S.G.

- 8) **Name of non teaching staff accompanying tour if required :-** 1. Mr.Mandave Y.S.

2. Mr.Pandharapatte G.N.

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

*S.Padyal*

**Tour in-Charge**



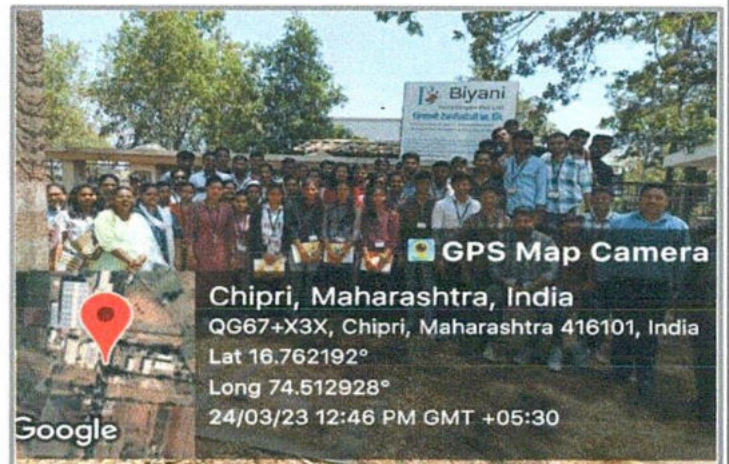
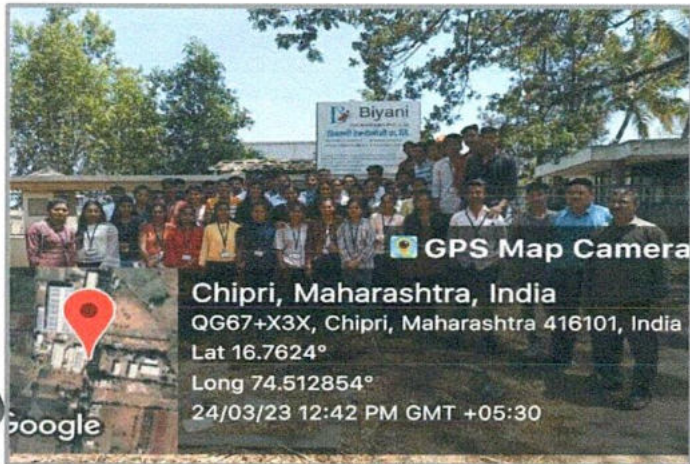
*[Signature]*

**Head**

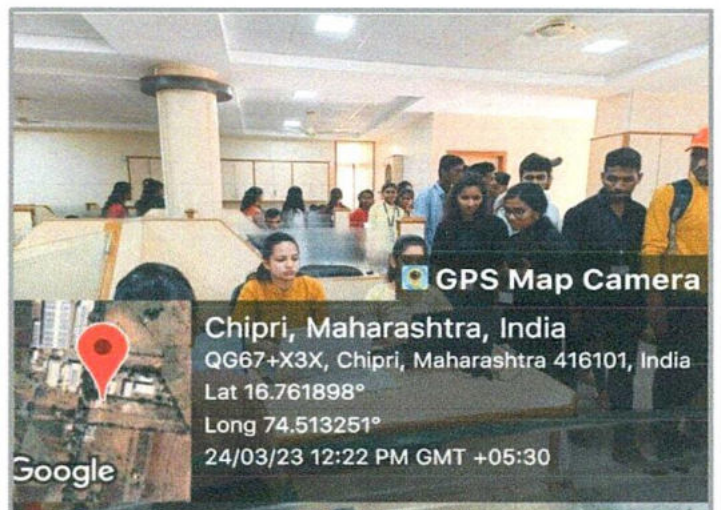
**Department of Computer Science**  
**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**



## Photos



Company Conference Room



Understanding working of different software's  
in Biyani Technologies, Kolhapur





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Industrial Visit B.Sc.CS (Entire) - III 2022-23**  
**UNDERTAKING**

Date:20/03/2023

We Undersigned students of B.Sc.(CS)(Entire)-III Travelling in the Industrial Visit (As Per Syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain discipline and obey the orders of teacher with us throughout the visit.

Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
1	9501	ANSARI ZABIHULLA JIYAUDDIN				
2	9502	AVATE SUSHANT NAMDEV	7249165510	9529642874	7249165510	Avate
3	9503	BHOSALE AVINASH JOTIRAM				
4	9504	BHOSALE NIKITA MANOHAR	9284008625	7709476792	8796604855	Bhosale
5	9505	BHUJBAL PRANAY YASHWANT	9767708487	9881354551	9130426138	Pranay B
6	9506	CHAVAN JAGDISH VINAYAK	9172303112	8605029926	8990653112	Jagdish
7	9507	CHAVAN OMKAR VINAYAK	9028946295	9503501685	9096003595	Omkar
8	9508	CHAVAN PRAJVAL UMESH	8855850677	8788210583	8888251322	Prajval
9	9509	CHAVAN PRATIK PRAMOD	7558238086	9975129571	7028626384	Pratik
10	9510	CHAVAN VAISHNAVI VIJAY	9322959256	7887701558	8007342631	V.Chavan.
11	9511	CHOPADE RUTUJA SHASHIKANT	9579164557	8482801793	9409685361	Rschopade
12	9512	DANGE ANUJA SUNIL	7058469203	9763125085	9373469203	Anuja
13	9513	DESAI PALLAVI SHARADCHANDRA	9657263601	9359428078	9881207236	Pallavi
14	9514	DESHMUKH ISHWAR LAXMAN	8530462054	9730397034	7083604354	Ishwar
15	9515	DESHMUKH PRITI ANKUSH	7769969001	8390836444	7875214079	Priti
16	9516	DESHMUKH SAYALI SUNIL	7820838208	9689160506	7420844404	S.S.Deshmukh
17	9517	DESHMUKH VINITA BHANUDAS	7378331747	7038304090	9145393128	V.B.Deshmukh
18	9518	DEVKAR PRAJWAL SURESH	8380839646	8007687020	9503723203	Prajwal
19	9519	DOLE AISHWARYA DATTATRAY	9373739387	9881813165	9075140015	A.Dole





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Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
20	9520	DUBAL DIPTI SUDHAKAR	9699296042	9822840458	9145331684	<i>DS Dubal</i>
21	9521	DUBAL GAYATRI SANTAJI	8623947797	9766779498		<i>Gayatri</i>
22	9522	GARUD PRANALI UTTAM	9322746266	7875450815	9657166459	<i>Garud</i>
23	9523	GHOLAP ABHISHEK BHIKAJI				
24	9524	GOSAVI VAIBHAV CHANDRAKANTPURI	9141910101	8530507919	7083756162	<i>Gosavi</i>
25	9525	JADHAV ADITYA PRAKASH	770998990	7083756162	9141910101	<i>Aditya</i>
26	9526	JADHAV AKASH HINDURAO	7020463544	7385405507	8483826881	<i>AH Jadhav</i>
27	9527	JADHAV GANESH SANTOSH				
28	9528	JADHAV PRANALI ANIL	7498689994	9921235395	9527249575	<i>Pranali</i>
29	9529	JADHAV SAGAR LAXMAN				
30	9530	JADHAV SAMEER HARIDAS				
31	9531	JADHAV SANKET RAMCHANDRA	9168088268	8483088268	8767824227	<i>Sanket</i>
32	9532	JADHAV SAYALI HANMANTRAO	9168670771	9623623896	8857910193	<i>Sayali</i>
33	9533	JADHAV VISHWAJEET NANASO	8459745368	9370041307526522	7741801587	<i>Vishwa</i>
34	9534	JAMALE NEHA BAJIRAO	7058395821	8412859927	8600222925	<i>Neha</i>
35	9535	KADAM ROHIT SANTOSH	8999480122	7823070042		<i>Rohit</i>
36	9536	KADAM SOHAM UDAY	9503723203	7083789212	8380839646	<i>Soham</i>
37	9537	KADAM VIRAJ SUJAY	9325938948	9021252924	9657930905	<i>Viraj</i>
38	9538	KALANTRE NIKITA HINDURAO	9823301697	9637589721	9673689671	<i>Nikita</i>





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Industrial Visit B.Sc.CS (Entire) - III 2022-23**  
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Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
39	9539	KAMBLE SAKSHI DILIP	8600636177	8857832942	-	<u>Sakshi</u>
40	9540	KASHID VARUNKUMAR SANJAY				
41	9541	KSHIRSAGAR GAURAV SHRIKANT				
42	9542	KUMBHAR ADARSH MADHUKAR	9011272170	8408040798	7875484002	<u>Adarsh</u>
43	9543	KUMBHAR VAISHNAVI DEVDATTA	8668990011	9921065803		<u>Vkumbhar</u>
44	9544	LIMBARE PRAJAKTA PRAKASH	8999172946	9881561687	9561441828	<u>Plimbare</u>
45	9545	MALAVE CHAITANYA DURYODHAN	9021758023	9403968994	9403968996	<u>Chaitanya</u>
46	9546	MALI SNEHAL TUKARAM	9356986871	9763017344	9552210525	<u>Snehal</u>
47	9547	MANE PRAJAKTA DHANAJI	8263823599	9850693304	9159900675	<u>Prajakta</u>
48	9548	MANE SANGRAM UDAYSING	7059222121	7410792350	9529961706	<u>Singam</u>
49	9549	MANE SHRINATH SADASHIV				
50	9550	MOHIRE OM ANIL				
51	9551	MORE AACHAL PANDIT	8767087691	8669568510	9422077998	<u>Amore</u>
52	9552	MUJAWAR AFSANA RAFIK	9175573802	9370543007	9881789611	<u>Mujawar</u>
53	9553	MULLA KAJAL SALIM	9145545228	9595952037	9405565302	<u>Kajal</u>
54	9554	NADAF NIHAL RAFIK	9373411260	9763015750	9145408548	<u>Nedaf</u>
55	9555	NADAF SAHIL AINU	7972080767	7620861891	9921459511	<u>Sahil</u>
56	9556	NANGARE UTKARSH SANJAY	9665665931	8446655931	8007993292	<u>Utkarsh</u>
57	9557	OZARDEKAR SHIVAM DHANANJAY	9359063307	9860972611	9975404787	<u>Shivam</u>





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Industrial Visit B.Sc.CS (Entire) - III 2022-23**  
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Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
58	9558	PATIL ASHITOSH ANIL				
59	9559	PATIL HRISHIKESH ASHOK				
60	9560	PATIL NIKITA NAVANATH	9765305817	9130283320	9859337171	<del>Patil</del>
61	9561	PATIL OMKAR JAGANNATH	8668255304	9923801218	8010360674	Patil
62	9562	PATIL OMKAR SUBHASH	9011289810	996050929	8459745368	Patil
63	9563	PATIL PARTH PRAMOD	7083048527	8237404500	7083048527	Patil
64	9564	PATIL SHIVANI RAVINDRA	8149102720	9850005402	9922812720	Patil
65	9565	PATIL SIDDHI NANDKUMAR	7758970199	9145679177		Patil
66	9566	PATIL SNEHAL RAHUL	8999638901	9975636345	9022823780	Patil
67	9567	PAWAR AKANKSHA VIJAYSINH	9289959493	9049970016	9130554633	Patil
68	9568	PAWAR KUNAL MANSING	8177965663	9766486716	9865172834	Patil
69	9569	PAWAR SHREYA PANDURANG	9763350815	9766977215	9890353086	Patil
70	9570	PAWAR VAISHNVEE PRASAD	9766666204	8080608898	9850320040	Patil
71	9571	PAWAR VIRAJ VIVEK	8888182550	9975385975	7756808010	Patil
72	9572	PHALLE SOMNATH MAHESH	8080999677	9730276631	8600676142	Phalle
73	9573	POL SHREYA RAJENDRA	9307193419	9890005769	7499509003	Pol
74	9574	POL SUSHANT YASHWANT	7071730302	9096136357	9067760070	Pol
75	9575	RAJUKUMAR SHRIPPULISRAY				
76	9576	RODE SANKET CHANDRAKANT				





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Industrial Visit B.Sc.CS (Entire) - III 2022-23**  
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Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
77	9577	SAGARE VIKRAM VISHWAS	7498795622	9623821299	9823426369	Sagare V.
78	9578	SALUNKHE AJAY SAMBHAJI	7558351022	9860972672	7666767270	Salunkhe
79	9579	SALUNKHE AMIT PANDHARINATH				
80	9580	SALUNKHE SUSHANT SUNIL				
81	9581	SANKPAL PRATIK DILIP	9623273506	9146410002	9623278070	Sankpal
82	9582	SANKPAL RAHUL VIJAY	7620102531	8010217087	7261906771	Sankpal
83	9583	SHEDAGE SAHIL TANAJI	7083287070	9325120153	7071730302	Shedage
84	9584	SHEJWAL MAYUR SURYAKANT	8177924236	7887334422	9265811824	Shejwal
85	9585	SHEWALE RUTIK BAJIRAO	7378123878	9545081686	9921401710	Shewale
86	9586	SHIKALGAR KARISHMA LALA	8767885015	7875471227	9529173334	Shikalgar
87	9587	SHIKALGAR TOHID IBRAHIM	8999213535	9921276615	9370686864	Shikalgar
88	9588	SHINDE OMKAR SAGAR	9370828881	8263031189	8880462750	Shinde
89	9589	SHINDE TEJAS SHIVAJI				
90	9590	SURVE SHUBHAM JAGANNATH	9145162445	7378723878	779606503	Surve
91	9591	SURYAVANSHI JAYESH SURESH	9359602720	9822112428	7219453048	Suryavanshi
92	9592	SUTAR PRAGATI MADHUKAR	9158033560	70570500120	7040086208	Sutar
93	9593	TAWAR MANISH DEEPAK	9356855131	9011289810	7448230995	Tawar
94	9594	THORAT SARVDNYA DILIP	7743997921	8888691562	7040086208	Thorat
95	9595	THORAT SNEHAL DHANAJI	7028400233	9766555650	8446725650	Thorat





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Industrial Visit B.Sc.CS (Entire) - III 2022-23**  
**UNDERTAKING**

Date:20/03/2023

We Undersigned students of B.Sc.(CS)(Entire)-III Travelling in the Industrial Visit (As Per Syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain discipline and obey the orders of teacher with us throughout the visit.

Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
96	9596	TODKAR ASHISH TATYABA	8855849955	9766558750	9511249759	<i>Ashish</i>
97	9597	VARKAD AADESH ANIL	9607696716	8080596412	9730501402	<i>A Varkad</i>
98	9598	WADATE TEJAS VINOD	7387242635	7721083010	8805652316	<i>Wadate</i>
99	9599	WAIKAR MOHAMMAD ILIYAS				
100	9600	YADAV ANIKET ANIL	8975847806	9175844659	7620102531	<i>Yadav</i>
101	9601	YADAV PRATIK BAPURAO	9112851197	7875011497	99224149	<i>Pratik</i>
102	9602	YADAV SAIRAJ PRASHANT	7219453048	9822112428	9359602720	<i>Sairaj</i>

  
**Head**  
Department of Computer Science  
Yashwantrao Chavan College of Science,  
Karad



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



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Industrial Visit B.Sc.(Optional) Part - III 2022-23**  
**UNDERTAKING**

Date:20/03/2023

We Undersigned students of B.Sc.(CS)(Optional)-III Travelling in the Industrial Visit (As Per Syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain discipline and obey the orders of teacher with us throughout the visit.

Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
1	3381	KACHARE ROHAN MUKUND	8007428142	9527506147	7071707052	Bkachare
2	3382	MORE PRIYANKA SATISH	7620495402	9834056371	7517847220	More
3	3383	PISAL ADITYA VILAS	9370704489	9689001937	9370704489	Pisal
4	3384	SAWANT SNEHAL SAMPAT	9579415580	9881693566	9623765665	Sawant
5	3385	SHEWALE ROSHNI SIDHESHWAR	9021026703	9096079139	8459149690	Shewale
6	3386	SUPNEKAR SUMIT BHAGWAN	8625048235	8411088235	7776984935	Supnekar
7	3387	KUMBHAR PRIYANKA RAMESH	7796430116	9920637261	7262001027	Kumbhar
8	3388	KHATAVKAR ROHAN SANTOSH	758159751	9595937911	758159751	Rkumal
9	3389	RAUT NIRANJAN JAGANNATH	7709225038	9764707484	9049906905	Raut
10	3390	KUMBHAR PRATHMESH VAIBHAV	7058036910	9921443671	7058036910	Rkumal
11	3391	MOHOLKAR VIKRANT ANIL	9579274770	8668545963	8888313144	Moholkar
12	3392	CHAVAN SHRAVANI PANDHARINATH	8180017375	9665303563	8380805060	Chavan
13	3393	ADSULE ROHIT PANDURANG				
14	3394	PISAL VISHAL BHAUSO	9359028339	7620278014	7620736814	Pisal
15	3395	BAMANE AKASH BALKRISHNA	7620875490	9373112287	7057993725	Bamane
16	3396	GHORPADE SUNITA JYOTIBA	7666967972	8421913461	724901886	Ghorpade
17	3397	KADAM SAYALI GANESH	9421382308	7350416877	8007341634	Kadam
18	3398	TEWAR AJIT PANDURANG				
19	3399	BAVDEKAR BHUSHAN KAKASO	7798347969	7798347969	9673063010	Bavdekar





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Industrial Visit B.Sc.(Optional) Part - III 2022-23**  
**UNDERTAKING**

Date:20/03/2023

We Undersigned students of B.Sc.(CS)(Optional)-III Travelling in the Industrial Visit (As Per Syllabus) on our own risk. Further we declare that, we will follow the time schedule, maintain discipline and obey the orders of teacher with us throughout the visit.

Sr.No.	Roll No.	Name of the Students	Mo.No.Of Student	Mo.No.Of Parent (Father)	Alternative Mo.No.Of Parent	Signature
20	3400	PATIL SHUBHAM GORAKHNATH	9673063010	9158589456	9378582794	
21	3401	MORE SURAJ ANIL	9175742869	9822318307	9665164460	
22	3402	MULANI ALTAMASH MAHAMMAD	8805226167	9372435475	7768963004	
23	3403	SUTAR SANTOSH DINKAR	9112177576	7057737089	9112833565	
24	3404	KAMBALE ARYAN SANDIP				
25	3405	KUMBHAR YOGESH VILAS	7066058376	9764638376	8552826057	
26	3406	PISAL ASMITA SANJAY	9325979637	9689730026	7083441798	
27	3407	PAWAR SNEHA SANJAY	7420999465	7709218599	7218966061	S.S. Pawar
28	3408	JADHAV VAISHNAVI VIJAY	7028988876	8390285223		Vaishnavi
29	3409	PHADATARE KUNAL SHAILESH	9359558140	9359558140	9923673467	K. Phadare
30	3410	KAMBALE ADITYA DIGAMBAR	8459634032	7719945999	8459634032	
31	3470	JADHAV SAURABH SHASHIKANT				
32	3471	PAWAR SWAPNIL DADASAHEB	9834926254	9021053007	9370105376	
33	3472	MAGAR RUSHIKESH SHANKAR				

**Head**  
**Department of Computer Science**  
**Yashwantrao Chavan College of Science,**  
**Karad**



Estd. 1958



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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:- 2022-23 / 33

Date

To,

The manager ,  
INNOVHUB SYSTEM PRIVATE LIMITED  
GH,society,karad.

Subject :- About industrial visit.

Respected Sir,

We have industrial visit as a part of Syllabus .For B.Sc.II and B.Sc.III,hence we wish to visit 3D workshop 5<sup>th</sup> May 2023.

The No. of Student visiting will be 43, Two Teachers will escort them.

Thanking You,

Yours faithfully,

**Principal**

Yashwantrao Chavan College of Science, Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE,KARAD  
DEPARTMENT OF ELECTRONICS

CERTIFICATE

Industrial Visit 2022-2023

This is to certify that Mr./Miss Shedage Sayali Abaso  
-----

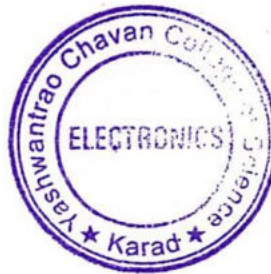
Of B.Sc.III Class Participated in the Industrial Visit Organized  
by Department of Electronics to INNOVHUB SYSTEM  
PRIVATE LIMITED .

He / She has Submitted his / her industrial Visit report on  
10 May 2023.

  
Tour In – charge

  
Examiner

  
HOD



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

# Tour Report

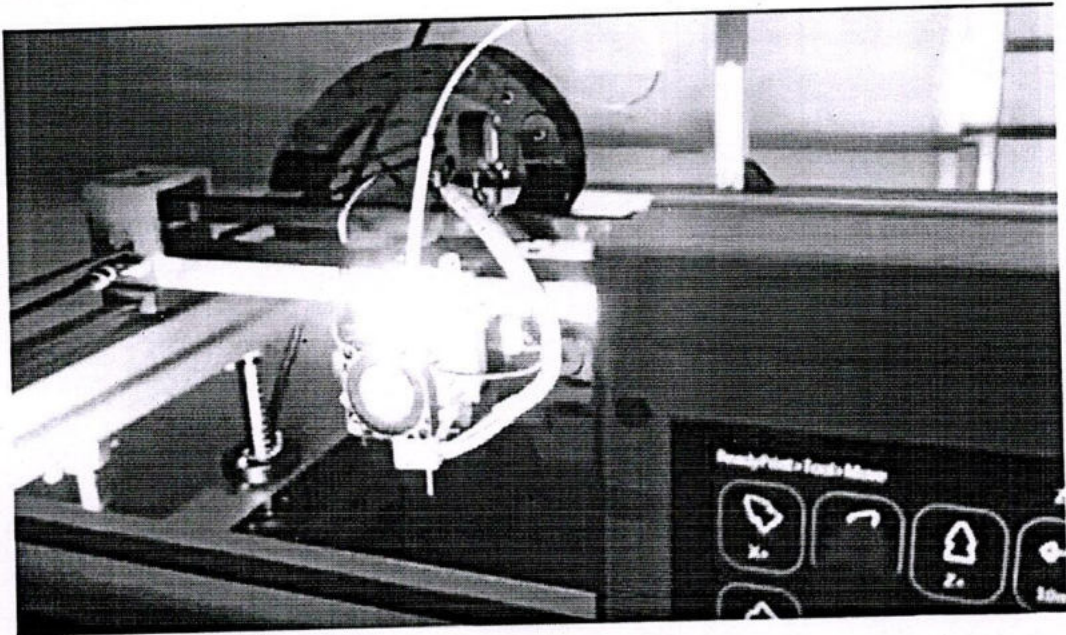
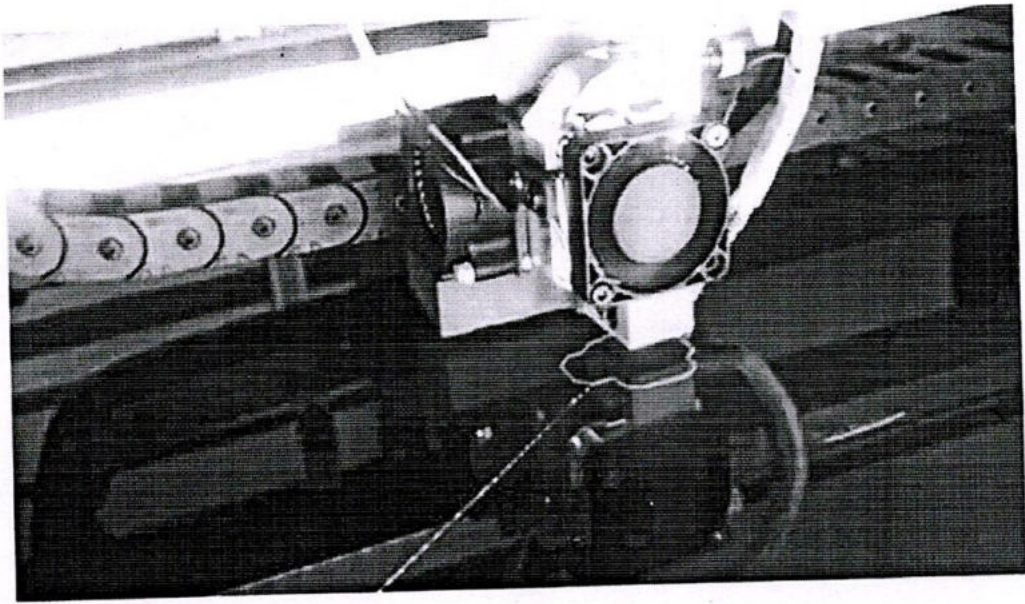
Tour Report Department of Electronics arranged industrial visit 5 may 2023 in the aim of visit was to collect information about INNOVHUB SYSTEM PRIVATE LIMITED

As per program, Shri. R.S Deshmukh discussed valuable information about 3D printer with their steps of assembling, installation, working and testing.

A 3D printer, computerized device that produces a three-dimensional object by creating it as a series of thin layers. The object is created from a model stored in computer-aided design file; the model is sliced into hundreds or thousands of very thin horizontal layers using computer software, and each layer is sent to 3D printer to be created successively until the entire object is formed. A number of different processes are used by 3D printers to create objects. Droplets of a melted deposited to form the layers, ultraviolet light may be used to harden layers from a pool of photo curable liquid resin, or a laser or electron beam may be used to sinter or melt particles in a bed of powder to form the layers. A wide variety of materials used depending on the process, including thermoplastics, metals, ceramic powders, plaster, and chocolate and other foodstuffs. A 3D printers mainly consists frame, stepper motor, heater etc. A 3D printing starts with making a virtual design of the object you want to create. This virtual design is made in a CAD (computer aided design) file using a 3D modelling program(for the creation of a totally new object) or with the use of a 3D scanner(to copy an existing object).A 3D scanner makes a 3D digital copy of an object













YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD  
DEPARTMENT OF ELECTRONICS


CERTIFICATE


Industrial Visit 2022-2023

This is to certify that Mr./Miss ZAREKAR SANKET SUBHASH  
-----

Of B.Sc.III Class Participated in the Industrial Visit Organized  
by Department of Electronics to INNOVHUB SYSTEM  
PRIVATE LIMITED .

He / She has Submitted his / her industrial Visit report on  
10 May 2023.

  
Tour In – charge

  
Examiner

  
HOD

**HEAD**

Department of Electronics  
Yashwantrao Chavan College of Science,  
Karad



# Tour Report

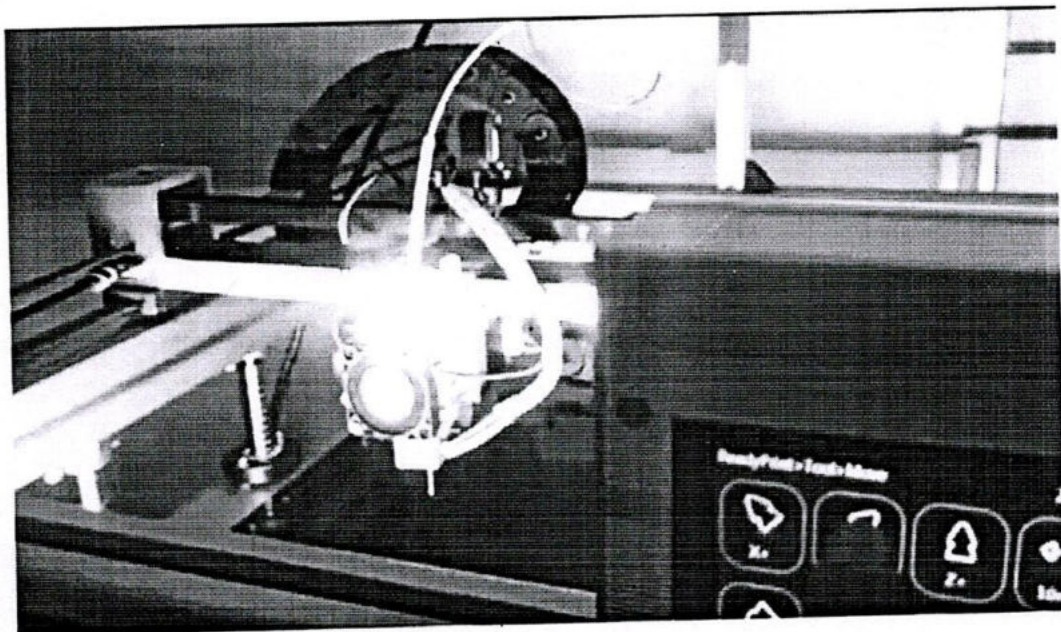
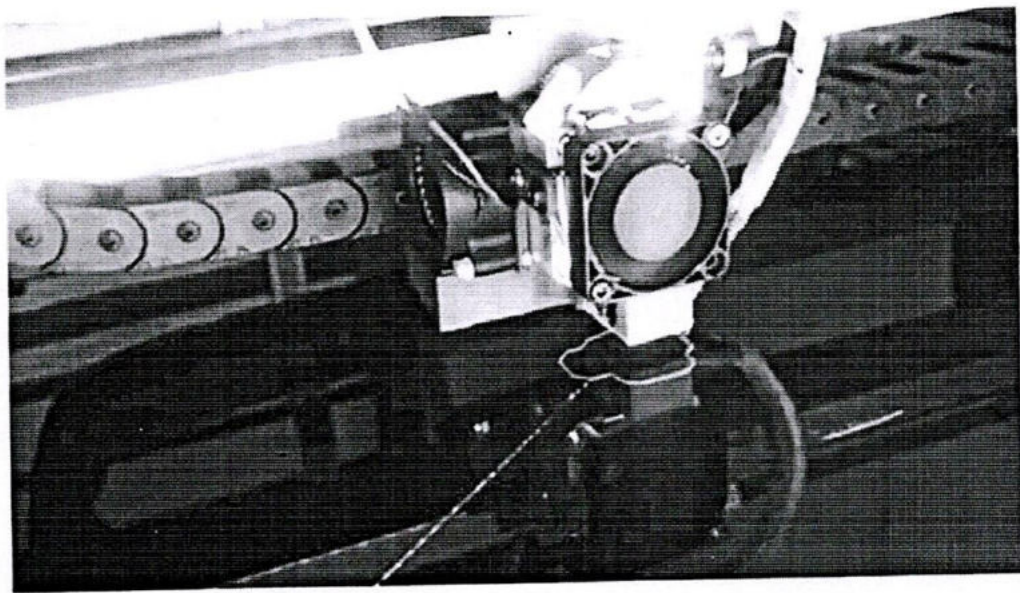
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Estd. 1958



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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B++ Level by NAAC, Bangalore

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

Ref No:-

Date

To,

Mr. Avadhut Deshmukh

A3DXYZ Devices & System, Karad.

Subject : Thanking letter

Respected Sir,

Our B.Sc.II or B.Sc.III (Electronics) Students visited to A3DXYZ Devices and System.

They observed and learnt how printer works. Also they learnt functioning of printer.

We are thankful to you for this co operation.

Thanking You,

Yours faithfully,

**Principal**

Yashwantrao Chavan College of Science, Karad

Estd. 1958



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

Ref No:-

Date

To,

Mr. Avadhut Deshmukh

A3DXYZ Devices & System ,Karad.

Subject :- About visiting company .

Respected Sir,

We have industrial visit as a part of Syllabus .

Hence we wish to visit A3DXYZ company on 31/05/2023 , Wednesday.

Please allow us to visit the Company .

The No. of Student visiting will be 29, Two Teachers will escort them.

Thanking You,

Yours faithfully,  
Principal

Yashwantrao Chavan College of Science, Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**DEPARTMENT OF ELECTRONICS**

**CERTIFICATE**

*Industrial Visit 2022-23*

This is to certify that Mr./Miss. Dodmani Rahul Raju  
of B.Sc. II class participated in the Industrial Visit organized by Department of  
Electronics Innovhub Systems Private Limited, GH Society, Karad

He/She has submitted his/her industrial visit report on 31 May 2023.

Edhuraal  
Tour In-charge

my  
Examiner

my  
HOD  
**HEAD**  
Department of Electronics  
Yashwantrao Chavan College of Science  
Karad



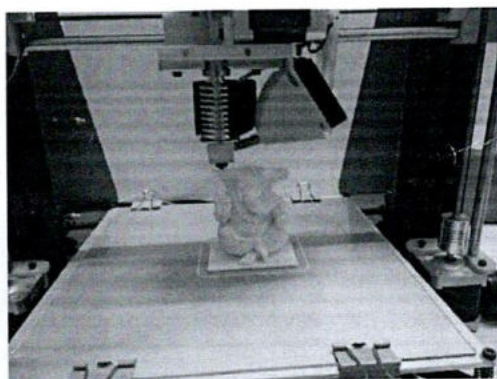
## TOUR REPORT

As part of the MOU with Innovhub Systems Private Limited, our Department arranged industrial visit on 30<sup>th</sup> May 2023. The aim of visit was to collect information about 3D printer.

As per program, Shri. R. S Deshmukh, Director, Innovhub Systems Private Limited discussed valuable information about 3D printer with their steps of assembling, installation, working and testing.

A 3D printer, computerized device that produces a three-dimensional object by creating it as a series of thin layers. The object is created from a model stored in computer-aided design file; the model is sliced into hundreds or thousands of very thin horizontal layers using computer software, and each layer is sent to the 3D printer to be created successively until the entire object is formed. A number of different processes are used by 3D printers to create objects. Droplets of a melted material deposited to form the layers, ultraviolet light may be used to harden layers from a pool of photo curable liquid resin, or a laser or electron beam may be used to sinter (see sintering) or melt particles in a bed of powder to form the layers. A wide variety of materials used depending on the process, including thermoplastics, metals, ceramic powders, plaster, and chocolate and other foodstuffs. A 3D printer mainly consists frame, stepper motor, heater etc.

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

**DEPARTMENT OF ELECTRONICS**

**CERTIFICATE**

*Industrial Visit 2022-23*

This is to certify that Mr./Miss. Shinde Bharat Madhukar.  
of B.Sc. II class participated in the Industrial Visit organized by Department of  
Electronics Innovhub Systems Private Limited, GH Society, Karad

He/She has submitted his/her industrial visit report on 31 May 2023.

Adhure  
Tour In-charge

ms  
Examiner

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



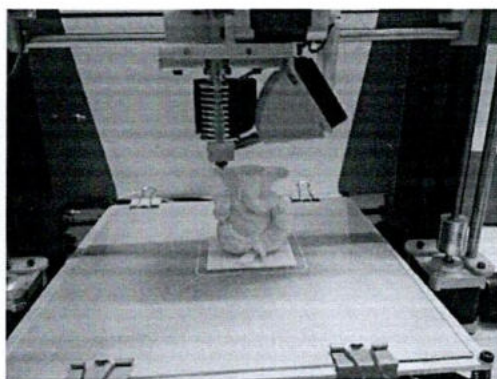
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# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DAY:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2022-23

CLASS: **B.sc II Zoology**

TOTAL NUMBER OF STUDENTS: **33**

DATES OF STUDY TOUR: **10 April 2023**

PLACES OF VISIT: **Ratnagiri**

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

NAMES OF THE TEACHERS ACCOMPANYING: 1) Mrs. Mulla K.C  
2) Miss. Sankpal.D. S  
3) Shri. Sawant.R. J

DATE & TIME OF DEPARTURE FROM KARAD: **10 April 2023, 6.00 a.m.**

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
10 April 2023	Ratnagiri	Students gained knowledge about the habitat of fish

DATE & TIME OF ARRIVAL AT KARAD: **10 April 2023, 10:00 p.m.**



Teacher in-charge





Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department of Zoology**

**B.Sc. II (Study Tour)**

**Date – 07/04/2023**

**Study tour of above class is arranged to Ratnagiri on 10<sup>th</sup> April 2023.**

**This is for information to all concern.**



**For Head**

**Dept of Zoology**



**Principal**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department of Zoology**

**B.Sc. II ( Study Tour )**

**Date:- 07/04/2023**

- 1) Name of the Department : Zoology
- 2) class & Subject for which study tour is arranged.- B.Sc. II- Zoology
- 3) Number of students accompanying – 33
- 4) Place of visit & Approximate distance of traveling- Ratnagiri - 300km
- 5) Date of departure and arrival -- Departure - 10/04/2023- 6.00 am  
Arrival - 10/04/2023- 10.00 pm
- 6) Vide of journey -- By Hired vehicle
- 7) Name of the staff members accompanying tour.

- 1) Mrs. Mulla. K. C.
- 2) Miss. Sankpal. D. S.
- 3) Shri. Sawant. R. J.



Mulla  
for Head  
Dept. of Zoology





Estd. 1958

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# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

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

Department of Zoology

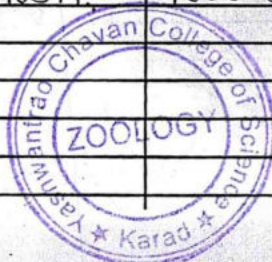
Date - 01/04/2023

UNDERTAKING B.Sc. II. STUDY TOUR - 2022-23

We are undersigned students of B.Sc.II(Zoology) are attending an educational tour with our teachers to Ratnagiri 10/04/2023(6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Parent's

Sr. No	Name of the Student	Mobile No	Signature
1	Nalawade Sayali Shankar	9881703781	
2	Yadav Vaishnavi Prakash	9373821745	
3	Kolhapure Sayali Vidyasagar	9356826053	
4	Kajave Shritej Rajaram	7517793199	
5	Kadam Tejashree Ramkrushn	7249658964	
6	Patil Shivani Balu	9579645027	
7	Gurav Pooja Anandram	9881801845	
8	Kadam Prachi Suresh	7499824632	
9	Gurav Aaditi Dattatray	9960631208	
10	Tijar Gauri Pundlik	8975456606	
11	Shinde Pragati Mahadev	9168907594	
12	Dupate Sonali Ramesh	8857983943	
13	Kadam Sanjiwani Jalindar	7768908686	
14	Tadhar Prasad Shrimant	7507217913	
15	Yadav Neha Nivars	9325651294	
16	Chavan Sakshi Shivaji	8208113210	
17	Mane Rugved Rajendra	8956994972	
18	Thorat Shridhar Ashok	7620535100	
19	Tadhar Rutuja Vikram	9960572015	
20	Bhosale Harshwardhan Asay	8459355788	
21	Shadab Taiman	9322025506	
22	Chavan Ritesh Sambhaji	9970460774	
23	Tadhar Tejashri Madan	8888091720	
24	Patil Manasi Arvind	9860940035	
25	Deshmukh Supriya Sanjay	8390848532	
26	JAWARE KUMAR BAZASO	9763991948	
27	Thorat Rohit Anil	7499535464	
28	Nikam Nehali Nandkumar	9657822003	
29	Khandalt Prajakt Umesh	8767204030	
30	Kadam Prathmesh Premnath	7658672030	
31	Thorat Niranjan Santosh	7058505120	
32	Shinde Samir Santosh	7620282997	
33	Pol Nikita		
34			
35			
36			
37			
38			





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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

☎ 02164 - 271356, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref /453/2022-23

Date - 31/03/2023

To,  
The Director,  
Gadre Industries,  
Ratnagiri.

Sub- Permission to visit Industry.

Sir,

A party of Zoology student of B.Sc.II and three professor intends to visit your highly esteemed industry for educational purpose. The party will reach at your industry on 7<sup>th</sup> April 2023. Here with I request you to sanction them the necessary permission to visit your industry and also provide them valuable guidance to observe the industry.

Thanking You.

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad



Yours Faithfully,

Principal

Yashwantrao Chavan College  
of Science, Karad



Estd. 1958

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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, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

Ref / 02/2022-23

Date - 03/04/2023

To,

The Director,

Ratnagiri Marine Fish Museum,

272P+FG7, Sadanand Wadi, Ratnagiri-415612


Sub- Permission to visit Industry.


Sir,

A party of Zoology student of B.Sc.II and three professor intends to visit your highly esteemed industry for educational purpose. The party will reach at your industry on 7<sup>th</sup> April 2023. Here with I request you to sanction them the necessary permission to visit your industry and also provide them valuable guidance to observe the industry.

Thanking You.



  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad

Yours Faithfully,  
  
Principal  
Yashwantrao Chavan College  
of Science, Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department Of Zoology  
B.Sc. III (Study Tour)**

**Date - 15/02/2023**

**Study tour of above class is arranged to Harne & Karde Beach on 17<sup>th</sup>  
Feb. 2023. All concerned should note and follow.**



**Head  
Dept. of Zoology**

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F -
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2022-2023

CLASS: B.sc III Zoology

TOTAL NUMBER OF STUDENTS: 30

DATES OF STUDY TOUR:

17 feb 2023

PLACES OF VISIT:

Harne and Karde Beech

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

NAMES OF THE TEACHERS ACCOMPANYING: 1) Mrs .mandale -Naik T.S


2) Miss Sankpal D.S

DATE & TIME OF DEPARTURE FROM KARAD: : 17 feb 2023 6.00 a.m.

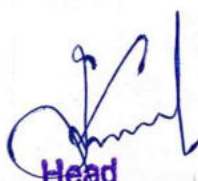
DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
17 feb 2023 6.00 a.m.	Harne and Karde Beech	Students gained knowledge about the habitat of fish

DATE & TIME OF ARRIVAL AT KARAD: 17 feb 2023 11.00 p.m.

  
Teacher in-charge



  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department of Zoology**

**STUDY TOUR PROGRAMME**

**B.Sc. III (Study Tour)**

**Date:- 15/02/2023**

- 1) Name of the Department : Zoology
- 2) class & Subject for which study tour is arranged.- B.Sc. III- Zoology
- 3) Number of students accompanying – 10
- 4) Place of visit & Approximate distance of traveling- Harde & Karde Beach  
- 350 km
- 5) Date of departure and arrival -- Departure - 17/02/2023 6.00 am  
Arrival - 17/02/2023 11.00 pm
- 6) Mode of journey -- By Hired Vehicle
- 7) Name of the staff members accompanying tour.
  - 1) Mrs. Madane. T. S.
  - 2) Miss. Sankpal. D. S.



Head  
Dept. of Zoology





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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

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

### UNDERTAKING

Department of Zoology

Date- 15 /02/2023

B.Sc. III. STUDY TOUR - 2022 - 23

We are undersigned students of B.Sc.III(Zoology) are attending an educational tour with our teachers to Karde & Harne 17/2/2023(6.00am) till arrival at Karad to visit places of educational interest .We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Sr. No	Name of the Student	Age	Signature
1	KORE NIYANTA ARUN	20	
2	KOLEKAR PIYUSHA MANOHAR	20	<i>Kolekar</i>
3	SHIKALGAR SANIYA RAMJAN	20	<i>Saniya</i>
4	SONAWALE SIDDHI VINOD	20	<i>Sonawale</i>
5	AMBAWADE PRIYA ANANDA	20	<i>Ambawade</i>
6	MALI SONALI RAMCHANDRA	20	
7	YADAV ANIKET MARUTI	19	
8	SHINDE SURAJ ANANDRAO	20	<i>Shinde</i>
9	CHAVAN MEGHA RAMCHANDRA	19	
10	GURAV RUPALI RAJENDRA	28	



*[Signature]*

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad

*[Signature]*

Principal

Yashwantrao Chavan College  
of Science, Karad





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### UNDERTAKING

Department of Zoology

Date- 15 /02/2023

B.Sc. III. STUDY TOUR - 2022 - 23

We are undersigned students of B.Sc.III(Zoology) are attending an educational tour with our teachers to Karde & Harne 17/2/2023(6.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge throughtout the tour.

Sr. No	Name of the Student	Age	Signature
1	KORE NIYANTA ARUN	20	
2	KOLEKAR PIYUSHA MANOHAR	20	<i>Kolekar P</i>
3	SHIKALGAR SANIYA RAMJAN	20	<i>Saniya</i>
4	SONAWALE SIDDHI VINOD	20	<i>Sonawale</i>
5	AMBAWADE PRIYA ANANDA	20	<i>Ambawade</i>
6	MALI SONALI RAMCHANDRA	20	-
7	YADAV ANIKET MARUTI	19	
8	SHINDE SURAJ ANANDRAO	20	<i>Shinde</i>
9	CHAVAN MEGHA RAMCHANDRA	19	
10	GURAV RUPALI RAJENDRA	28	-



Head

Department of Zoology  
Yashwantrao Chavan College of Science, Karad

*[Signature]*

Principal

Yashwantrao Chavan College  
of Science, Karad



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Index No. J 21.02.002

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

### Department of Zoology

Date -15/02/2023

#### B.Sc. III. STUDY TOUR - 2022 - 23

Following are the bonafide students and teaching & Non - teaching staff of our college, they are travelling from Karad to Karde & Harne and back.

Sr. No	Name of the Student	Age	Mobile No
1	KORE NIYANTA ARUN	20	7038491570
2	KOLEKAR PIYUSHA MANOHAR	20	9511680926
3	SHIKALGAR SANIYA RAMJAN	20	8600593038
4	SONAWALE SIDDHI VINOD	20	7822805057
5	AMBAWADE PRIYA ANANDA		7775816392
6	MALI SONALI RAMCHANDRA	20	8010130092
7	YADAV ANIKET MARUTI	20	
8	SHINDE SURAJ ANANDRAO	19	7387941799
9	CHAVAN MEGHA RAMCHANDRA	20	8530601301
10	GURAV RUPALI RAJENDRA	28	
	Staff		
1	Mrs. Madane. T. S.	28	
2	Miss. Sankpal. D. S.	28	

Head

Department of Zoology

Yashwantrao Chavan College of Science, Karad



Principal

Yashwantrao Chavan College  
of Science, Karad



# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

## STUDY TOUR REPORT

Year 2022-2023

CLASS: B. Sc. III Zoology

TOTAL NUMBER OF STUDENTS: 10

DATES OF STUDY TOUR:

15<sup>th</sup> Nov 2022

PLACES OF VISIT:

Mahabaleshwer, Wai

MODE OF JOURNEY: Private Vehicle (Bus Hired from Private Agency)

NAMES OF THE TEACHERS ACCOMPANYING: 1) .Mrs Madane T.S


2) Mrs Mulla K.C

DATE & TIME OF DEPARTURE FROM KARAD: 15<sup>th</sup> Nov 2022


DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
15 <sup>th</sup> Nov 2022	Apiculture center	Students gained knowledge about the habitat of Honey bee
15 <sup>th</sup> Nov 2022	Sericulture center	Student gained Students gained knowledge about the sericulture

DATE & TIME OF ARRIVAL AT KARAD: : 15<sup>th</sup> Nov 2022 10 p.m

  
Teacher in-charge



  
Head  
Department of Zoology  
Yashwantrao Chavan College of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department Of Zoology**

**B.Sc. III ( Study Tour )      Date - 12/11/2022**

**Study tour of above class is arranged to Mahabaleshwar, Wai on 15<sup>th</sup> Nov. 2022.**

**All concern should note and follow.**



**Head**

**Dept. of Zoology**

**Yashwantrao Chavan College of Science, Karad**



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**

**Department of Zoology**


**STUDY TOUR PROGRAMME**

**B.Sc. III (Study Tour)**

**Date:- 12/11/2022**

- 1) Name of the Department : Zoology
- 2) class & Subject for which study tour is arranged.- B.Sc. III- Zoology
- 3) Number of students accompanying – 09
- 4) Place of visit & Approximate distance of traveling- Mahabaleshwar, Wai  
- 350 km
- 5) Date of departure and arrival -- Departure - 15 / 11/ 2022 7.00 am  
Arrival -15 / 11/ 2022 9.00 pm
- 6) Mode of journey -- By Hired Vehicle
- 7) Name of the staff members accompanying tour.
  - 1) Mrs. Madane. T. S.
  - 2) Mrs. Mulla. K. C.



  
Head  
Dept. of Zoology  
Yashwantrao Chavan College of Science, Karad



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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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

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Reaccredited B++ Level by NAAC, Bangalore

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

Ref /285/2022-23

Date- 10/11/2022

To,  
The Director,  
Maharashtra State Khadi  
Gramoudyog Mandal,  
Apiculture Center, Mahableshwar  
Building No.5, Mahableshwar.

Sub- Permission to visit apiculture center.

Sir,

A party of 11 Zoology student of B.Sc.III and two professor intends to visit your highly esteemed center for educational purpose. The party will reach at your center on 15<sup>th</sup> Nov. 2022 at 3.00 pm.

Here with I request you that please sanction them the necessary permission to visit your center and also provide them valuable guidance to observe the apiculture center.

Thanking You.



Yours Faithfully,

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





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

Ref / 285/2022-23

Date- 12/11/2022

To,  
The Director,  
Maharashtra State Khadi  
Gramoudyog Mandal,  
Sericulture Center, Wai  
WAI.

Sub- Permission to visit sericulture center.

Sir,

A party of 11 zoology student of B.Sc.III and two professor intends to visit your highly esteemed center for educational purpose. The party will reach at your center on 15<sup>th</sup> Nov. 2022 at 9.00 am.

Here with I request you that please sanction them the necessary permission to visit your center and also provide them valuable guidance to observe the sericulture center.

Thanking You.



Yours Faithfully,

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



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

### Department of Zoology

Date - 13/11/2022

#### B.Sc. III. STUDY TOUR - 2022 - 23

Following are the bonafide students and teaching & Non - teaching staff of our college,  
they are travelling from Karad to Mahabaleshwar, Wai and back.

Sr. No	Name of the Student	Age	Mobile No
1	KORE NIYANTA ARUN	20	7038491570
2	KOLEKAR PIYUSHA MANOHAR	20	9511680926
3	SHIKALGAR SANIYA RAMJAN	20	8600593038
4	SONAWALE SIDDHI VINOD	20	7822805057
5	SUPNEKAR SUMIT BHAGWAN	19	
6	AMBAWADE PRIYA ANANDA	20	7775816392
7	MALI SONALI RAMCHANDRA	20	8010130092
8	YADAV ANIKET MARUTI	19	9545579717
9	SHINDE SURAJ ANANDRAO	20	7387941799
10	CHAVAN MEGHA RAMCHANDRA	19	8530601301
	Staff		
1	Mrs. Madane. T. S.	28	
2	Mrs. Mulla. K. C.	28	



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





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## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

### UNDERTAKING

Department of Zoology

Date- 13/11/2022

B.Sc. III. STUDY TOUR - 2022 - 23

We are undersigned students of B.Sc.III(Zoology) are attending an educational tour with our teachers to Mahabaleshwar 15/11/2022(7.00am) till arrival at Karad to visit places of educational interest. We are travelling on our own risk and we further declare that we all will follow the the time shedule & obey the orders of the incharge througout the tour.

Sr. No	Name of the Student	Age	Signature
1	KORE NIYANTA ARUN	20	<i>Kore</i>
2	KOLEKAR PIYUSHA MANOHAR	20	<i>Kolekar</i>
3	SHIKALGAR SANIYA RAMJAN	20	<i>Saniya</i>
4	SONAWALE SIDDHI VINOD	20	<i>Sonawale</i>
5	SUPNEKAR SUMIT BHAGWAN	19	
6	AMBAWADE PRIYA ANANDA	20	<i>Ambawade</i>
7	MALI SONALI RAMCHANDRA	20	<i>Sonali</i>
8	YADAV ANIKET MARUTI	19	<i>Aniket</i>
9	SHINDE SURAJ ANANDRAO	20	<i>Shinde</i>
10	CHAVAN MEGHA RAMCHANDRA	19	<i>Chavan</i>
11		20	




*[Signature]*  
Principal  
Yashwantrao Chavan College  
of Science, Karad

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**Study tour 2022-2023**

- 1) **Name of the Department** :- Physics
- 2) **Class for which** :- B.Sc. Part II & III  
**Tour is arranged**
- 3) **No. of Students accompanying** :- 11
- 4) **Place of visits and approximate** :-  
**Distance of traveling** :- 320km.  
**Place** :- Vankusavade (Wind Park) &  
Anjanvel (Light House)  
**Total Distance** :- 320 km. (approx)
- 5) **Date of departure and arrival** :- 14<sup>th</sup> Dec. 2022
  - a)Departure from Karad :- 7.30 a.m.
  - b) Arrival at Vankusavde :- 10.00 a.m.
  - c)Visit to Wind Mill Park. :- 10.30 a.m. to 12.00 p.m.
  - d)Lunch Break :- 12.00 p.m. to 1.00 p.m.
  - e)Visit to Light House :- 3.00 p.m. to 5.00 p.m.
  - f)Departure from Anjanvel :- 05.00 p.m.
  - g)Arrival at Karad :- 08.00 p.m.
- 6) **Mode of Journey** :- Vehicle
- 7) **Name of the Staff** :- Miss.Madane P.K  
Miss.Jagadale A.S.


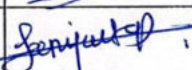
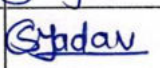
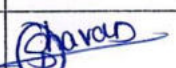
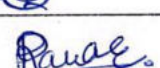
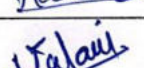
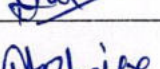
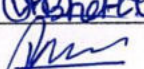
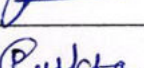
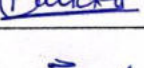
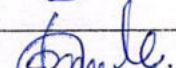


  
(Tour in-charge)



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.**  
**DEPARTMENT OF PHYSICS**  
**B.Sc. – II & III (2022-23)**

Following Students and Staff are on Educational Tour On  
 14/12/2022.

Sr. No.	Roll No.	Name of the Students	Mobile No. Students	Parents Mobile No.	Students Signature
1	3001	Kumbhar Sayali Prakash	8530861536	9621528330	
2	2004	Jagtap Sanika Nivas	7823848910	7350497101	
3	2035	Yadav Shivanjali Vinayak	9096990723	9552129719	
4	2093	Chavan Sneha Ravindra	9561738315	9921542330	
5	2033	Pawar Digvijay Raviraj	9028507673	9373173881	
6	2094	Dalavi Atharvaraj Sambhaji	7058312164	9623426049	
7	2091	Bhoite Vishal Hanmant	8530774737	8390414714	
8	2032	Jadhav Vishwamohini Yuvaraj	8767921392	8999649210	
9	2031	Gaikwad Prajakta Ankush	7498103624	9373097789	
10	2013	Nikam Siddhi Ramesh	9604098887	9604028887	
11	2036	Kamble Prashant Keshav	7499762273	9763130447	
12	<b>Staff</b>	Miss.Pallavi Kisan Madane	9637232184	-	
13	<b>Staff</b>	Miss.Ashwini Shankar Jagadale	9604098943	-	



Yours faithfully



TOPIC: \_\_\_\_\_ DATE: \_\_\_\_\_

# YASHWANTRO CHVAN COLLEGE OF SCIENCE KARAD.

## \* TOUR REPORT ON \*

- Vankusawade wind mills  
Anjanvel light house

- Date : 14 Dec 2022
- Name of the staff: Miss P.K. Madane  
Miss A.S. Jagadale
- Name of the student:  
Kumbhar Sayali Prakash
- Roll NO : 3411
- standard : B-SC III Physics

*As per*  
16-05-2023  
Teacher in  
charge

*my*  
Head of  
Department

FOR EDUCATIONAL USE

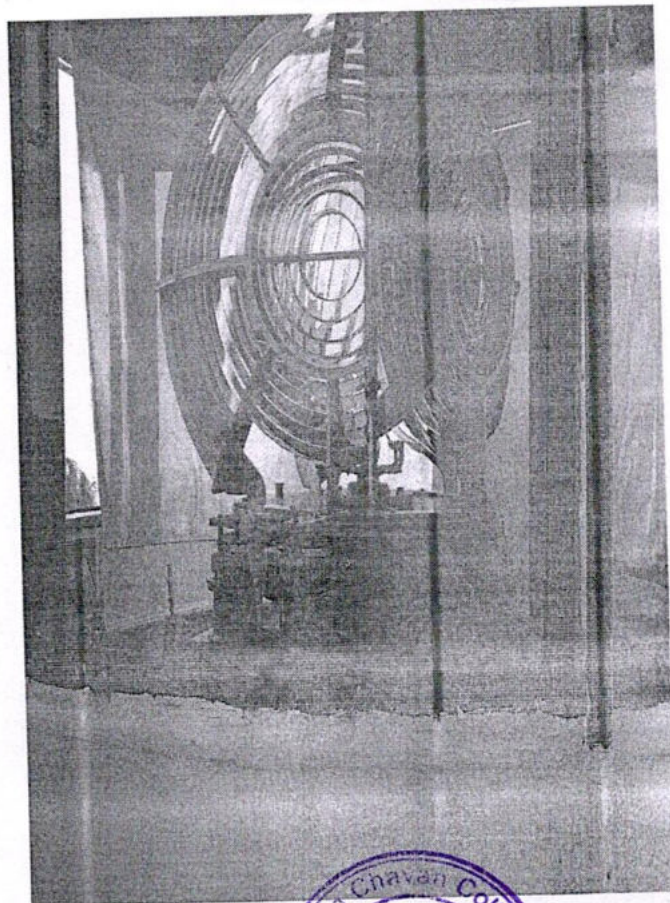
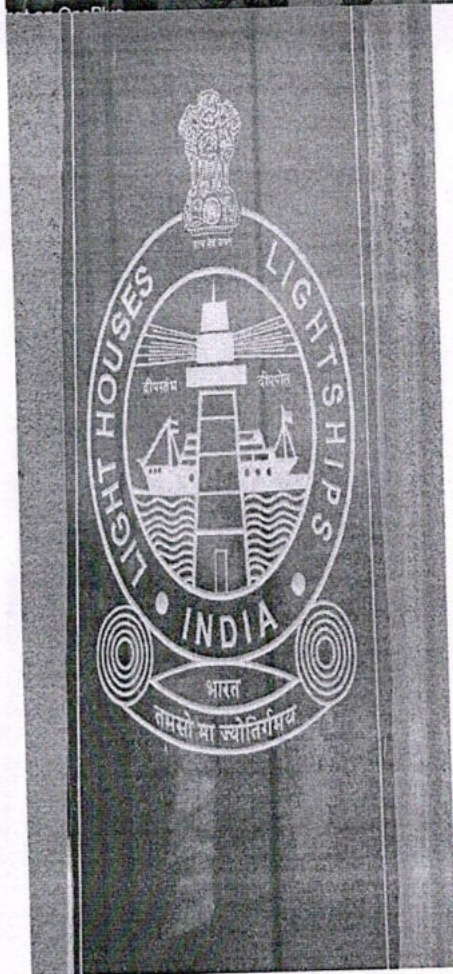
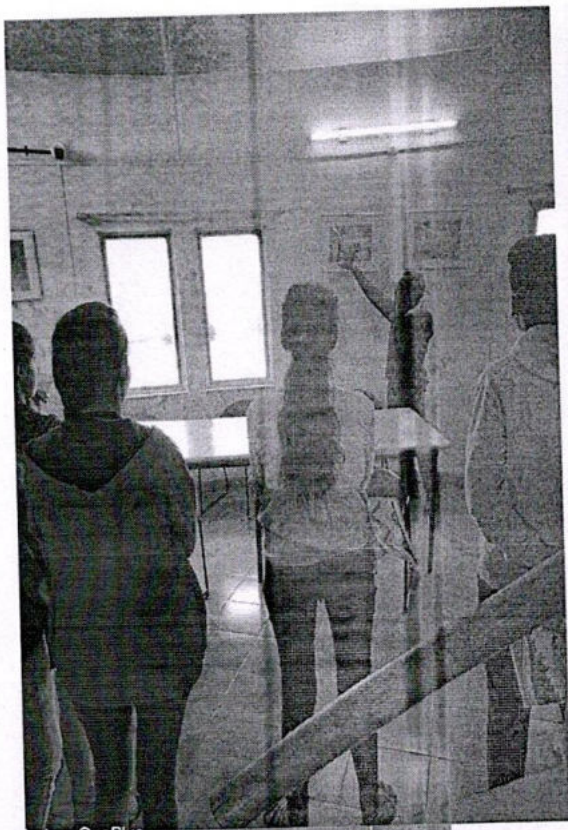
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# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Photographs of visits-Study tour B.Sc.III Physics 2022-23





**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**  
**Department of Pollution**

DATE: 30.04.2023	REF. NO.: YCCSK/LAB/F –
PAGE 01 OF 01.	REV. NO.: 00

**STUDY TOUR PROGRAMME**

Year 2022-2023

CLASS: B.Sc. II

TOTAL NUMBER OF STUDENTS:

DATES OF STUDY TOUR : 15.05.2023

PLACES OF VISIT : Mahableshwar

MODE OF JOURNEY : Hired Vehicle

NAMES OF THE TEACHERS ACCOMPANYING : Mrs. P.A. Patil

DATE & TIME OF DEPARTURE FROM KARAD : 15.05.2023 at 7.00 a.m.

DATES & PLACES OF VISIT : 15.05.2023 Mahableshwar

Sr.No.	Time	Programme
--------	------	-----------

Date: 15.05.2023

1	6.30 a.m.	Y. C. College of Science, Karad.
2	7.00 a.m.	Departure to Mahableshwar
3	10.00 a.m.	Arrival at Gureghar. Visit to Biodiversity areas & polluted sites.
Lunch		
4	1.30 p.m.	Departure to Kshetra - Mahabaleshwar Polluted sites
5	5.00 p.m.	Departure to sunset point.
6	6.15 p.m.	Departure to Karad via Medha, Satara.
7	10.00 p.m.	Arrival at Karad (Approximately).

Students are further informed to bring following things with them -

1. Identity card (Compulsory).
2. Lunch.
3. Pen, Pencil and Notebook.
4. All students have to maintain the discipline & obey the orders of their in- charge.
5. Each & every student should follow the time schedule of tour strictly

**N.B. - Costly articles, not allowed to take.**

  
Teacher In-charge



  
Head  
Department of Pollution  
Yashwantrao Chavan College of  
Science, Karad



**Yashwantrao Chavan College of Science, Karad**


**Department of Pollution**

**REPORT**

<b>Name of the activity</b>	Field Visit of B.Sc. III Pollution Students
<b>Day &amp; Date</b>	Monday, 15/05/2023
<b>Place of visit</b>	Mahabaleshwar
<b>Purpose of the Program</b>	1. To enhance field knowledge of students. 2. Learn new techniques of field data collection and preservation.
<b>No. of Students Participated</b>	02
<b>No. of Teachers Participated</b>	01
<b>Visit outcomes</b>	Students learnt something new apart from class room teaching. In addition to this, they learned how to write field notes during data collection.

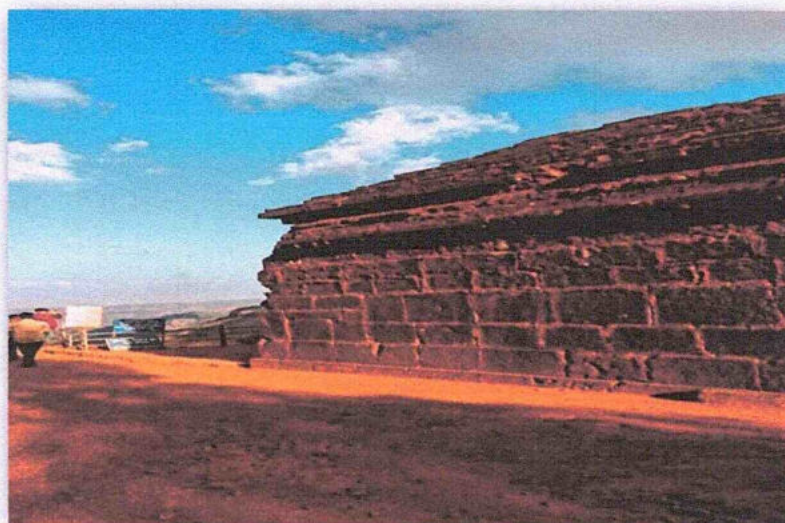
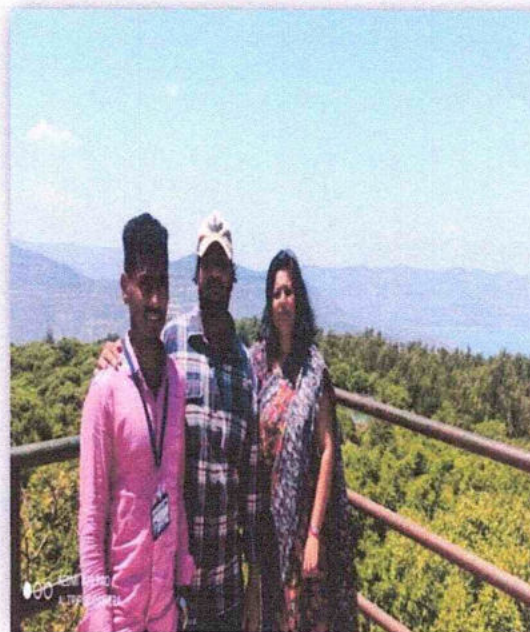
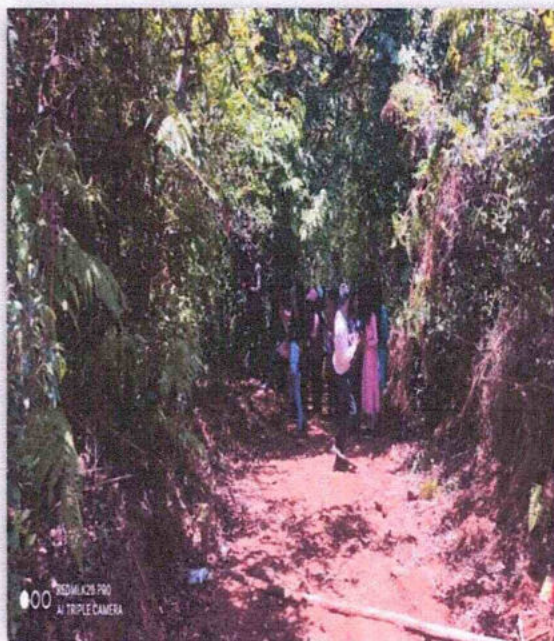
  
**Teacher In-charge**

  
**Head**  
**Department of Pollution**

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



**Study Tour of B. Sc. Pollution Students –  
Mahabaleshwar**





## **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**



**Under Shivaji university, Kolhapur  
BSC III Year**

**2022-2023**

**Department of Pollution**

**A Project on**

**"STUDY TOUR REPORT"**

**Submitted by**

<b>Sr.no</b>	<b>Student Name</b>	<b>Rollno</b>	<b>Exam no</b>
1	Mrs.Abhishek Ajay Bhosale	5142	38628
\			



Exam No. : 38628

LAB / F - 19

Roll No.

Date : 16/05/23

# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD



Vidyanagar, Karad – 415 124  
Reaccredited at the B++ level by NAAC, Bangalore  
AN ISO 9001:2015 CERTIFIED COLLEGE  
Reg: RQ91/5237



Department of Pollution

## CERTIFICATE OF STUDY TOUR

This is to certify that, Mr. / Miss. \_\_\_\_\_

Abhishek Ajay Bhosale

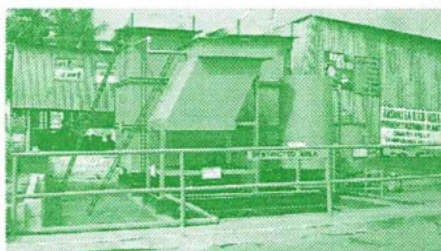
of B.Sc. Part II / III of academic year 2022-2023 has  
attended the study tour organized by the Department of Pollution  
at Hai & Mahaleshwar

study site / Research Institute / Industry of Educational  
interest on 15/05/2023

Pravin  
16.5.23  
**Teacher in - Charge**

Pravin  
23/5/2023  
**Examiner**

Dr. Phile  
**Head,  
Department of Pollution**





**Yashwantrao Chavan College of Science, Karad**

**Department of Pollution**

**B.Sc. Part III**

**Study Tour at Wai and Mahabaleshwar**

15/05/2023

One day Excursion for B.Sc. III (Pollution) students was arranged at Wai and Mahabaleshwar to study the Polluted area, Pollution indication plants, water harvest plan, solid waste management and diversity of organisms in different ecological conditions etc.

On the way to Wai, we saw roadside trees being cut down for road line construction, while our teachers gave us detailed information about the effect of the tree cutting on the temperature.

Krishna river in Wai and adjoining area, we visited to observe & study the polluted area of river and locals are used it as source of drinking and household used. Some local also use it as a dumping resource for their solid waste and washing clothes etc. In Krishna River we study the growth pattern of Pollution indicator plant like water-hyacinth (*Eichhornia crassipes*) and Water Velvet (*Azolla pinnata*) etc. are best indicate that the water is of high heavy metal pollution. Local municipal authorities have written some sayings and slogans on the river bank for pollution control.

Further we observe the air quality of Wai has reached an average level of pollution and is unhealthy for sensitive groups of organisms.

Our next interest was Mahabaleshwar, which is full with the plants and animal diversity. In the Mahabaleshwar we study the Pollution indicating organisms like Lichens (presence of Crustose Lichens, Foliose Lichens and Fruticose Lichens etc. are best indicate that the area is of less pollution).

Gureghar forest area and nursery, we visited to observe & study the biodiversity. Various trees and animals are growing naturally in the area without the disturbance of human and pollution. We study about the water harvesting plant and reuse of water in Gureghar nursery maintained by

nursery management. The nursery management also planted solar plates and generates electricity as renewable source of energy, for their office and allied departments.

Next to that we visited Regional Wheat Rust Research Station, Mahabaleshwar, where we learnt about the greenhouse effect on crop plants. The authorities are well support us and provided all information regarding crop management in harsh and polluted environmental condition.

Though, we visited a piece of Western Ghats vegetation, Mahabaleshwar, we got the idea about the natural vegetation and its diversity in Western Ghats. Lastly, we enjoyed our one-day study Excursion with polluted areas and their management.

#### **Ecological / Geographical data :-**

##### **Locality - Wai**

Highest - 718 Meters (average 2360 ft from mean sea level)

Rainfall - 898 mm Avg.) per annum.

Humidity - 35 to 65 %

Temperature – 35.4°C Avg.

Soil - Mixed red laterite and black soil.

Type of vegetation - Mixed evergreen and deciduous.

Forest type - Subtropical forest

##### **Locality - Mahabaleshwar**

Highest - 1382 Meters (average 4500 ft from mean sea level)

Height point - 4710 ft - Wilson point

Rainfall - 202" to 300" (6977.6mm max.) per annum.

Humidity - 40 to 90%

Temperature - 35°C Maximum

Soil - Red laterite

Type of vegetation - Mixed evergreen and deciduous.

Forest type - Subtropical forest.



## **List of observed pollution/ Indicator/ Management -**

### **Polluted areas**

- 1) Wai: Krishna River
- 2) Wai: Adjoining area of Dholya Ganapati (Large Idol of Lord Ganesha, Wai).

### **Pollution indicator Organisms (Presence of Pollution)**

- 1) Water-hyacinth (*Eichhornia crassipes*).
- 2) Water Velvet (*Azolla pinnata*).

### **Pollution indicator Organisms (Absence of Pollution)**

- 1) Crustose Lichens
- 2) Foliose Lichens
- 3) Fruticose Lichens

### **Solid Waste**

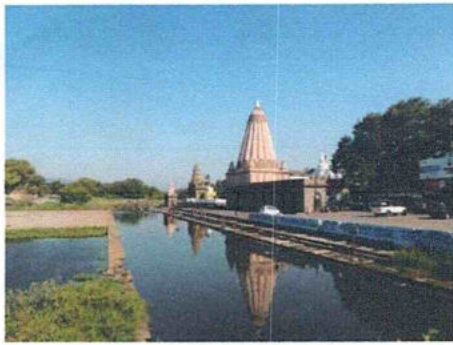
- 1) Wai: Krishna River

### **Water harvesting**

- 1) Gureghar: Rain water harvesting lake (Shet Tale), maintained by Govt. nursery.



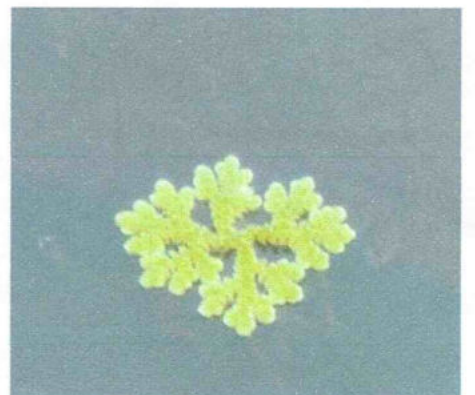
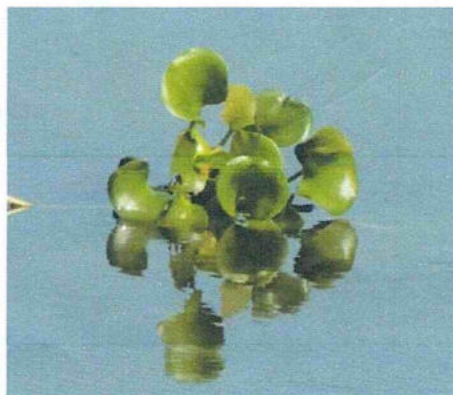
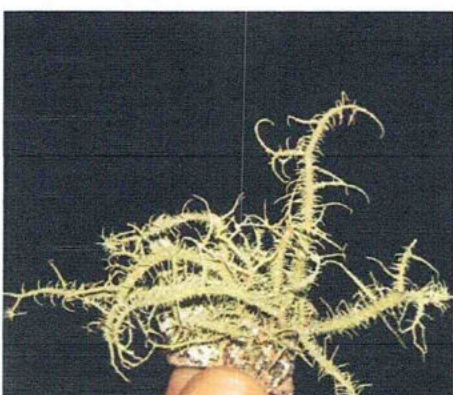




Water Polluted Bodies: Wai



Cloth washing waste are dumped directly in Krishna River, Wai



Pollution indicator organisms





Biodiversity at Gureghar Govt. nursery



Green house and Glass house at Regional Wheat Rust Research Station, Mahabaleshwar



Water Harvesting Unit at  
Gureghar





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, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B<sup>++</sup> Level by NAAC, Bangalore

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

Ref No. : / Biochem /2022-23

Date: - 14/04/2023

To,

**The Managing Director,  
Sahyadri Sahakari Sakhar Karkhana Ltd.,  
Yashwantnagar, Karad.**

**Subject: - Educational visit of B.Sc. Part - II Biochemistry students.**

Sir,

As a part of educational tour a group of B.Sc. Part II Biochemistry students Twenty one (21) from this college accompanied by their teachers (2) wish to visit your industry on **Thursday, 18<sup>th</sup> April 2023**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

Teacher in charge

Principal

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



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

**B.Sc.II –Study Tour**

Date- 14/04/2023

The students of B.Sc. II (Biochemistry) are here by informed that one day's study tour is arranged to Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar. on 18/04/2023.

All should come with Identity card, note book & pen. Study tour is Compulsory as per university syllabus.

All concerned should note follows.



Course Co-ordinator,

Department of Biochemistry



**Yashwantrao Chavan College of Science, Karad**  
**Department Of Chemistry**

**STUDY TOUR PROGRAMME**

**Year 2022 -2023**

LAB/F-17

CLASS: B.sc. II

TOTAL NUMBER OF STUDENTS: 21

DATE OF STUDY TOUR: 18/04/2023

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPAINING: Mr.S.H. Burugale

Miss Panwal N.R.


DATES & TIME OF DEPARTURE FROM KARAD: 18/04/2023 Time- 10 am

DATES & PLACES OF VISIT :

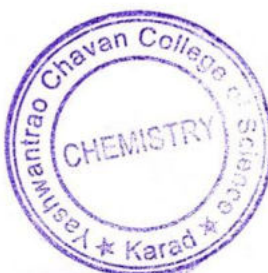
1. Arrival to Sahayadri Sakhar Kharkhana
2. Visit to distillary
3. Visit to ETP

DATE & TIME OF ARIVAL AT KARAD-:18/04/2023 Time-6 pm

  
Teacher in- Charge

  
Head  
Dept of Chemistry  
**Head**  
Department of Chemistry  
Yashwantrao Chavan College of  
Science, Karad

  
Chairmn  
Tour committee

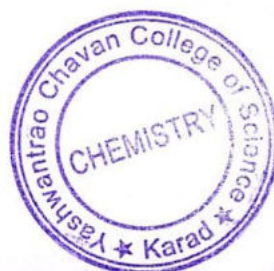




## Department of Chemistry and Biochemistry

### B.Sc. II Study tour 2022-2023

Sr no	Roll No	Name of student	Student sign
1	2311	Bhintane Tanmay Suyog	<u>Tanmay</u>
2	2312	Bodhagire Vikram Ravso	<u>VRB</u>
3	2313	Chavan Pradnya Rajendra	<u>Chavan</u>
4	2314	Desai Shantanu Kantilal	<u>Desai</u>
5	2315	Jagtap Anuradha Ashok	<u>Anuradha</u>
6	2316	Kadam Sujata Sanjay	<u>S.S. Kadam</u>
7	2317	Mail Ashrani Satish	<u>Mail As.</u>
8	2318	Mane Shrutika Suresh	<u>Shrutika S.M.</u>
9	2319	Mulla Mohasina Mahammad	<u>Mulla</u>
10	2320	Nalawade Atul Dharmaraj	<u>Nalawade</u>
11	2321	Patil Shambhuraj Vishwas	<u>Patil</u>
12	2322	Pawar Prerana Ganesh	<u>Pawar</u>
13	2323	Pawar Vaishnavi Bapuso	<u>VPawar</u>
14	2324	Shaikh Karina Rashid	<u>KR Shaikh</u>
15	2325	Shinde Avinart Ashok	<u>Shinde</u>
16	2326	Shinde Sanket Ashok	<u>Shinde</u>
17	2327	Sutar Sujit Anil	<u>Sutar</u>
18	2328	Swami Shreyas Dattatray	<u>Swami</u>
19	2329	Takpire Rushabh Balu	<u>RTakpire</u>
20	2330	Thorat Durga Amarsinh	<u>Thorat</u>
21	2331	Thorat Sanjvani Santaji	<u>S.S. Thorat</u>



# Yashwantrao Chavan College of Science, Karad

## Department Of Chemistry

### STUDY TOUR REPORT

Year 2022- 2023

CLASS: B.Sc . II

LAB/F-18

TOTAL NUMBER OF STUDENTS: 21

DATES OF STUDY TOUR: : 18/04/2023

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPANYING: Mr.S.H. Burugale

Miss N.R Panwal

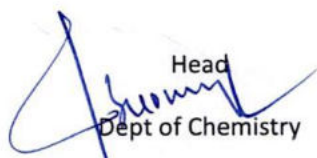
DATES & TIME OF DEPARTURE FROM KARAD: 18/04/2023 Time- 10 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
10/06/2022 Time- 10 am	Visit to Distillary	Actual Process of fermentation
10/06/2022 Time- 2 pm	Visit to ETP	Effluent Treatment plant
10/06/2022 Time – 4pm	Visit to Yeast Propagation unit	Clarifier, Aeration test

DATE & TIME OF ARIVAL AT KARAD: 18 /04/2023 Time-6 pm

  
Teacher in- Charge

  
Head  
Dept of Chemistry  
**Head**  
**Department of Chemistry**  
**Yashwantrao Chavan College of**  
**Science, Karad**

  
Chairmn  
Tour committee





## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Study Tour Report 2022-2023  
(18/04/2023 )

- 1) Name of the department :- Biochemistry
- 2) Class & subject for which tour is arranged :- B.Sc.II Biochemistry
- 3) No. of students accompanying :- 21
- 4) Place of visit and approximate distance
  - Distance Of traveling :- 10
  - Place :- Yashwantnagar
  - Total distance :- 20
- 5) Date of departure and arrival.
  - a) Departure from karad (05 jan) :- 10am
  - b) Arrival at Sahyadri Sahakari Sakhar karkhana Ltd, Yashwantnagar.(09 jan) :- 11am
  - c) Arrival at karad :- 6pm
- 6) Mode of Journey :- Hired vehical
- 7) Name of the Staff :- Mrs. Panwal.N.R



Tour of the M. Sc. II Analytical Chemistry is arranged from 7/04/2023 to 9/04/2023 for this tour 31

Students and 2 Teachers are travelling by Gangasager travel (MH50-1557) on following route.

Route of the Tour from Karad - Malvan - Vijaydurg - Pawas (halt) - Ratnagiri - Ganpatipule and Karad.

Sr. No	Name of the student
1	Anuse Digvijay Dipak
2	CHOPDAR SUPRIYA VIJAY
3	DESAI PRATIKSHA MANIKRAO
4	Gangurde Kamlesh Gulab
5	GHASHI SWALIYA YUSUFALI
6	Gotal Jayesh Tanaji
7	GURAV PRADNYA LAXMAN
8	JADHAV PRIYANKA MAHADEV
9	JADHAV SHRUTIKA AMRUT
10	JAGDALE PRIYANKA SHAMRAO
11	JAGTAP VAISHNAVI PRAKASH
12	KADAM ESHA RAMESH
13	KARALE AKSHATA ANANDA
14	Khawale Akash Sunil
15	Kumbhar Prasad Pandurang
16	MAHAMUNI ARATI VILAS
17	MOHITE TEJASHRI TANAJI
18	MORE KOMAL PRATAP
19	PATIL AMRUTA RAMESH
20	PATIL POOJA TANAJI
21	PATIL PRATIKSHA ATMARAM
22	Patil Satyajit Dhanaji
23	Patil Shubham Jaysing
24	RAKATE NIKITA RAMESH
25	SALUNKHE KOMAL SUNIL
26	SALUNKHE RUTUJA DHANAJI
27	SHANT SANIKA SADASHIV
28	SHEWALE SUJATA SHIVAJI
29	Shinde Shubham Shivaji
30	Takale Ajit Surendra
31	THORAWADE ANKITA AMAR
	Name of the teacher
1	Dr. R. S. Patil
2	Mr. S. D. Karande

  
Principal  
Yashwantrao Chavan College  
of Science, Karad

  
Head  
Department of Chemistry  
Yashwantrao Chavan College of  
Science, Karad



# Yashwantrao Chavan College of Science, Karad

Department of Chemistry

M. Sc. II Educational Tour

Educational tour of M. Sc. II Chemistry students was organized on 8<sup>th</sup> & 9<sup>th</sup> April 2023 to Ratnagiri, Ganpatipule and Vijaydurg.



Head

Principal

Department of Chemistry  
Yashwantrao Chavan College of  
Science, Karad

Yashwantrao Chavan College of Science  
Karad

