

Department of Microbiology,
Vivekanand College,
Kolhapur (Autonomous)

Date:- 15/10/19

To,
The Principal,
Vivekanand College,
Kolhapur.

Subject :- Permission to visit Sewage Treatment Plant

Respected Sir,

According to the syllabus of the Add on course "Industrial pollution control & waste treatment technology" (40 Students) we want to organize a study tour at Sewage Treatment Plant Dudhali, Kolhpaur on 17th Oct. 2019. Please sanction the request and give us permission for the same.

Thanking You.

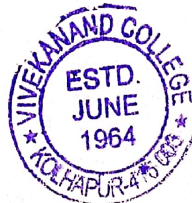
Yours faithfully,



Mr. Suraj Dipak Gabale
(Co-ordinator, Add on course)

pod
15/10/2019

15/10/19



श्री स्वामी विवेकानंद शिक्षण संस्थेचे

विवेकानंद कॉलेज (स्वायत्त), कोल्हापूर

२१३०, ई ताराबाई पार्क, कोल्हापूर, जि. कोल्हापूर - ४१६ ००३
शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

मॅक मानांकन : "A" (सी.जी.पी.ए. ३.२४) दि. १९-०१-१६ (तिसरी फेरी)
कॉलेज उर्ध्व पोटेन्शियल फॉर एक्सलन्स यु.जी.सी., (दोनदा)
स्टार कॉलेज - डी.बी.टी. - भारत सरकार



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resl.: 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

संस्थापक डॉ. बापूजी साळुंखे D. Lit.	अध्यक्ष मा. ना. चंद्रकांत दादा पाटील महसूल, मदत व पुनर्वसन, सार्वजनिक बांधकाम मंत्री, (सार्वजनिक उपक्रम वगळून) महाराष्ट्र राज्य	कार्याध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A.	सचिव प्राचार्या सौ. शुभांगी गावडे M.Sc., B.Ed.	प्राचार्य डॉ. एस. वाय. होनगेकर M.A., M.Ed., P.G.D.T.E., M.Phil., Ph.D.
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जावक क्रमांक व्ही.सी.के./185/2019-20

दिनांक : 15/10/19

To,
Project Managar,
17 MLD STP,
Dudhali
Kohapur .

Sub.-: Regarding permission to visit your esteemed Institute.

Respected Sir,

I would like to inform you that our students of Add on Course
“Industrial Pollution Control & Waste Treatment Technology” are interested to
visit your Sewage Treatment Plant, as it is the part of their study. Hereby, I
request you to grant the permission and help them to make their bright future.

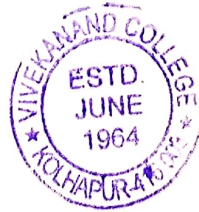
Total 40 students will likely to visit 17th Oct. 2019. You are requested to
convey your consent as early as possible

Thanking you,

Contact No:- (Prof.S.D.Gabale) 9970191188

Yours faithfully

(Dr. S.Y.Hongekar)
PRINCIPAL
Vivekanand College
Kolhapur



Visited
S.D. Gabale



विवेकानंद कॉलेज (स्वायत्त), कोल्हापूर

२१३०, ई ताराबाई पार्क, कोल्हापूर, जि. कोल्हापूर - ४१६ ००३
शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

नेकं मानांकन : "A" (सी.जी.पी.ए. ३.२४) दि. १९-०१-१६ (तिसरी फेरी)
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संस्थापक
डॉ. बापूजी साळुंखे
D. Lit.

अध्यक्ष
मा. ना. चंद्रकांत दादा पाटील
महसूल, मदत व पुनर्वसन, सार्वजनिक बांधकाम
मंत्री, (सार्वजनिक उपक्रम वगळून) महाराष्ट्र राज्य

कार्याध्यक्ष
प्राचार्य अभयकुमार साळुंखे
M.A.

सचिव
प्राचार्या सौ. शुभांगी गावडे
M.Sc., B.Ed.

प्राचार्य
डॉ. एस. वाय. होनगेकर
M.A., M.Ed., P.G.D.T.E.,
M.Phil., Ph.D.

जावक क्रमांक व्हि.सी.के/ 1088/19-20

दिनांक : 2/10/2019

To,
Managing Director,
Gokul Dairy,
Gokul Shirgaon,
Kohapur .

Sub.-: Regarding permission to visit your esteemed Institute.

Respected Sir,

I would like to inform you that our students of Add on Course "Industrial Pollution Control & Waste Treatment Technology" are interested to visit your Effluent Treatment Plant of your Dairy as it is the part of their study. Hereby, I request you to grant the permission and help them to make their bright future.

Total 40 students will likely to visit 10th Oct. 2019. You are requested to convey your consent as early as possible

Thanking you,

Contact No:- (Prof.S.D.Gabale) 9970191188



Yours faithfully

(Dr. S.Y. Hongekar)
PRINCIPAL
Vivekanand College
Kolhapur.



विवेकानंद कॉलेज (स्वायत्त), कोल्हापूर

२१३०, ई ताराबाई पार्क, कोल्हापूर, जि. कोल्हापूर - ४१६ ००३
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संस्थापक डॉ. बापूजी साळुंखे D. Litt.	अध्यक्ष मा. ना. चंद्रकांत दादा पाटील महसूल, मदत व पुनर्वसन, सार्वजनिक बांधकाम मंत्री, (सार्वजनिक उपक्रम वगळून) महाराष्ट्र राज्य	कार्याध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A.	रायिव प्राचार्या सौ. शुभांगी गावडे M.Sc., B.Ed.	प्राचार्य डॉ. एस. वाय. होनगेकर M.A., M.Ed., P.G.D.T.E., M.Phil., Ph.D.
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जावक क्रमांक व्हि.सी.के/ 1088/19-20

दिनांक : 2/10/2019

To,
Managing Director,
Gokul Dairy,
Gokul Shirgaon,
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Respected Sir,

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Total 40 students will likely to visit 10th Oct. 2019. You are requested to convey your consent as early as possible

Thanking you,

Received
10.10.19
S.S. Nikam



Yours faithfully
(Dr. S.Y.Hongekar)
PRINCIPAL
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Microbiology

Add On Course 2019-20

“Industrial Pollution Control and waste treatment technology”

Time table

All the students of Add on course “Industrial Pollution Control and waste treatment technology”, Department of Microbiology are hereby informed that the Study tour of the course is scheduled on 17th Oct., at 17 MLD STP, Dudhali, Kolhapur.



A handwritten signature in blue ink, appearing to read "R. K. Kulkarni".

Course Co-ordinator

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Microbiology

Add On Course 2019-20

“Industrial Pollution Control and waste treatment technology”

Time table

All the students of Add on course “Industrial Pollution Control and waste treatment technology”, Department of Microbiology are hereby informed that the Study tour of the course is scheduled on 10th Oct., at ETP, Gokul Dairy, Gokul Shirgaon.



A handwritten signature in blue ink, appearing to read "S. S. S.", written over a horizontal line.

Course Co-ordinator

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Department of Microbiology

Add On Course 2019-2020

Name of the course – “Industrial pollution control & waste treatment technology”

STYDU TOUR PRESENTY

Date :-10/10/2019

Time:-

Sr. No.	Name of Student	Arrival	Departure
1.	Ms. Vaishnavi Milind Patil	Ab	Ab
2.	Ms. Sayali Shankar Chavan	Chavan	Chavan
3.	Ms. Sayali Tukaram Torase	Torase	Torase
4.	Ms. Anushka Dhanaji Patil	Patil	Patil
5.	Ms. Monica Gorakhnath Sutar	Monica Sutar	Monica Sutar
6.	Ms. Priyanka Vijay Humbe	Humbe	Humbe
7.	Ms. Krutika Rajendra Koli	Koli	Koli
8.	Ms. Sayali Bhausahab Lad	Ab	Ab
9.	Ms. Shweta Bajirao Sutar	Shweta Sutar	Shweta Sutar
10.	Ms. Fiza Aftab Naikwadi	Fiza	Fiza
11.	Ms. Prajakta Chandrakant Gurav	Prajakta	Prajakta
12.	Ms. Ravina Kiran Powar	Ab	Ab
13.	Ms. Shreya Sunil Sutar	Sutar	Sutar
14.	Mr. Rohan Ramdas Jadhav	Rohan	Rohan
15.	Mr. Omkar Shashikant Chaugale	O.S. Chaugale	O.S. Chaugale
16.	Mr. Abhay Bajirao Patil	Abhay	Abhay
17.	Ms. Nikita Dilip More	Nikita	Nikita
18.	Mr. Rameshwar Balaji Munde	Rameshwar	Rameshwar
19.	Ms. Arundhati Avinash Kamble	Arundhati	Arundhati
20.	Ms. Ruchita Chandrakant Khairmode	Ruchita	Ruchita
21.	Ms. Manasi Anil Havale	Manasi	Manasi
22.	Ms. Akshata Kuber Patil	Akshata	Akshata
23.	Ms. Shweta Vishnu Thanekar	Shweta	Shweta
24.	Ms. Nita Tanaji Patil	Nita	Nita
25.	Ms. Shraddha Prakash More	Shraddha	Shraddha
26.	Ms. Supriya Ananda Lad	Supriya	Supriya
27.	Ms. Tejaswini Subhash Shinde	Shinde	Shinde



Sr. No.	Name of Student	Arrival	Departure
28.	Ms. Nilam Ananda Varute	<i>Nilam</i>	<i>Nilam</i>
29.	Ms. Srushti Pandurang Angre	<i>Srushti</i>	<i>Srushti</i>
30.	Ms. Shital Krushnat Malap	<i>Shital</i>	
31.	Ms. Vaishnavi Ramdas Gurav	<i>Vaishnavi</i>	<i>Vaishnavi</i>
32.	Mr. Sanjyot Deepak Kadam	<i>Sanjyot</i>	<i>Sanjyot</i>
33.	Ms. Snehal Sanjay Bolaikar	<i>Snehal</i>	<i>Snehal</i>
34.	Ms. Smita Jaysing Patil	<i>Smita</i>	<i>Smita</i>
35.	Ms. Ketaki Jaywant Sutar	<i>Ketaki</i>	<i>Ketaki</i>
36.	Mr. Sumedh Suhas Bhagwan	<i>Sumedh</i>	<i>Sumedh</i>
37.	Ms. Saipriya Srinivas Kambalapalli	<i>Saipriya</i>	<i>Saipriya</i>
38.	Ms. Pradnya Shamrao Mitake	<i>Pradnya</i>	<i>Pradnya</i>
39.	Ms. Chaitanya Milind Rajadnya	<i>Chaitanya</i>	<i>Chaitanya</i>
40.	Ms. Pratiksha Ganesh Kamble	<i>Pratiksha</i>	<i>Pratiksha</i>

Teachers- Ms.V.V.Misal
Ms.S.A.Pise

M. Misal
HEAD
DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Department of Microbiology

Add On Course 2019-2020

Visit to Sewage Treatment Plant, Dudhali, Kolhapur

STUDENTS ATTENDANCE

Date: 17th Oct., 2019

Sr. No.	Name of Student	Class	Departure	Arrival
1.	Ms. Vaishnavi Milind Patil	B.Sc. II	<i>Vaishnavi</i>	<i>Vaishnavi</i>
2.	Ms. Sayali Shankar Chavan	B.Sc. II	Ab	Ab
3.	Ms. Sayali Tukaram Torase	B.Sc. II	<i>Sayali</i>	<i>Sayali</i>
4.	Ms. Anushka Dhanaji Patil	B.Sc. II	<i>Anushka</i>	<i>Anushka</i>
5.	Ms. Monica Gorakhnath Sutar	B.Sc. II	<i>Monica</i>	<i>Monica</i>
6.	Ms. Priyanka Vijay Humbe	B.Sc. II	<i>Priyanka</i>	<i>Priyanka</i>
7.	Ms. Krutika Rajendra Koli	B.Sc. II	<i>Krutika</i>	<i>Krutika</i>
8.	Ms. Sayali Bhausaheb Lad	B.Sc. II	<i>Sayali</i>	<i>Sayali</i>
9.	Ms. Shweta Bajirao Sutar	B.Sc. II	<i>Shweta</i>	<i>Shweta</i>
10.	Ms. Fiza Aftab Naikwadi	B.Sc. II	<i>Fiza</i>	<i>Fiza</i>
11.	Ms. Prajakta Chandrakant Gurav	B.Sc. II	<i>Prajakta</i>	<i>Prajakta</i>
12.	Ms. Ravina Kiran Powar	B.Sc. II	<i>Ravina</i>	<i>Ravina</i>
13.	Ms. Shreya Suzil Sutar	B.Sc. II	<i>Shreya</i>	<i>Shreya</i>
14.	Mr. Rohan Ramdas Jadhav	B.Sc. II	<i>Rohan</i>	<i>Rohan</i>
15.	Mr. Omkar Shashikant Chaugale	B.Sc. II	<i>Omkar</i>	<i>Omkar</i>
16.	Mr. Abhay Bajirao Patil	B.Sc. II	<i>Abhay</i>	<i>Abhay</i>
17.	Ms. Nikita Dilip More	B.Sc. II	<i>Nikita</i>	<i>Nikita</i>
18.	Mr. Rameshwar Balaji Munde	B.Sc. II	<i>Rameshwar</i>	<i>Rameshwar</i>
19.	Ms. Arundhati Avinash Kamble	B.Sc. II	<i>Arundhati</i>	<i>Arundhati</i>
20.	Ms. Ruchita Chandrakant Khairmode	B.Sc. II	<i>Ruchita</i>	<i>Ruchita</i>
21.	Ms. Manasi Anil Havale	B.Sc. II	<i>Manasi</i>	<i>Manasi</i>
22.	Ms. Akshata Kuber Patil	B.Sc. II	<i>Akshata</i>	<i>Akshata</i>
23.	Ms. Shweta Vishnu Thanekar	B.Sc. II	<i>Shweta</i>	<i>Shweta</i>



24.	Ms. Nita Tanaji Patil	B.Sc. II	<i>Nitapatil</i>	<i>Nitapatil</i>
25.	Ms. Shraddha Prakash More	B.Sc. II	<i>Shraddha More</i>	<i>Shraddha More</i>
26.	Ms. Supriya Ananda Lad	B.Sc. II	<i>Supriya Lad</i>	<i>Supriya Lad</i>
27.	Ms. Tejaswini Subhash Shinde	B.Sc. II	<i>Tejaswini Shinde</i>	<i>Tejaswini Shinde</i>
28.	Ms. Nilam Ananda Varute	B.Sc. II	<i>Nilam Varute</i>	<i>Nilam Varute</i>
29.	Ms. Srushti Pandurang Angre	B.Sc. II	<i>Srushti Angre</i>	<i>Srushti Angre</i>
30.	Ms. Shital Krushnat Malap	B.Sc. II	<i>Shital Malap</i>	<i>Shital Malap</i>
31.	Ms. Vaishnavi Ramdas Gurav	B.Sc. II (Biotech.)	<i>Ab</i>	<i>Ab</i>
32.	Mr. Sanjyot Deepak Kadam	B.Sc. II (Biotech.)	<i>Ab</i>	<i>Ab</i>
33.	Ms. Snehal Sanjay Bolaikar	B.Sc. II (Biotech.)	<i>Ab</i>	<i>Ab</i>
34.	Ms. Smita Jaysing Patil	B.Sc. II (Biotech.)	<i>Ab</i>	<i>Ab</i>
35.	Ms. Ketaki Jaywant Sutar	B.Sc. II (Biotech.)	<i>Ab</i>	<i>Ab</i>
36.	Mr. Sumedh Suhas Bhagwan	B.Sc. II (Biotech.)	<i>Ab</i>	<i>Ab</i>
37.	Ms. Saipriya Srinivas Kambalapalli	B.Sc. II (Biotech.)	<i>Ab</i>	<i>Ab</i>
38.	Ms. Pradnya Shamrao Mitake	B.Sc. III	<i>Pradnya Mitake</i>	<i>Pradnya Mitake</i>
39.	Ms. Chaitanya Milind Rajadnya	B.Sc. III	<i>Chaitanya Rajadnya</i>	<i>Chaitanya Rajadnya</i>
40.	Ms. Pratiksha Ganesh Kamble	B.Sc. III	<i>Pratiksha Kamble</i>	<i>Pratiksha Kamble</i>
41.	Ms. Nival Rangao Hirdekar	B.Sc. II	<i>Nival Hirdekar</i>	<i>Nival Hirdekar</i>

M. Hirdekar

fer.

HEAD

DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

VIVDEKANAND COLLEGE
DEPARTMENT OF MICROBIOLOGY
STUDY TOUR REPORT
2019-2020

Add-on course: Industrial pollution control and waste treatment technology

According to Add-on course syllabus 2019-2020 our department of Microbiology arranged and permitted the study tour at Gokul Dairy (Kolhapur zilla Sahakari Dudh Utpadad Sangh Ltd. Kolhapur) and MLD STP, Dudhali, Kolhapur on 10th October 2019 and 17th Oct., 2019 respectively. To visit Gokul dairy two teachers namely Ms. V. V. Misal and Ms. S. A. Pise with students and for MLD STP, Dudhali, Kolhapur two teachers namely Ms. S. V. Jadhav and Mr. S. D. Gabale were went. The route of study was fixed as Kolhapur to Gokul Dairy, Gokul Shiragaon and Vivekanand College to MLD STP, Dudhali.


As per schedule of the study tour, we visited Gokul dairy at 10.00 A.M. We visited different units such as milk Receiving unit (Docking), Pasteurization Unit, Butter Unit, Lassi Unit, Milk powder Unit, Chilling, Microbiology laboratory. Mr. Nikam from Gokul Dairy (ETP) explained all rules and regulations which are followed during visit and has given all the detailed information regarding each unit

Gokul dairy is established in 16th March, 1963 under the co-operative act. gokul dairy won 17 times National productivity award from 1988. It is having 16th rank in world and 2nd rank in India while 1st rank in Maharashtra.

In MLD STP we were introduced to each section by Mr. Sanjay Kadam. He given information about different sewage treatment methods. He emphasized on biological sewage treatment methods. In this water treatment plant, waste water from Kolhapur city is collected and treated. For treatment purpose many methods like anaerobic sludge digestion, trickling filter, oxidation pond, septic tank etc. are used.

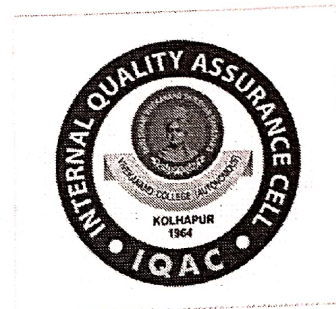
From these study tours students were immensely benefitted with theoretical and practical aspects.




[Mr. S. D. Gabale]



“Education for Knowledge, Science and Culture”
-Shikshamharshi Dr. Bapuji Salunkhe
Vivekanand College, Kolhapur (Autonomous)
Internal Quality Assurance Cell
2019-2020



Quality Initiatives/ Activities Report

1. **Name of Department:** Department Of Microbiology, Kolhapur
2. **Name of Organized Activity:** B. Sc. III study tour
3. **Date/ Duration:** One day , Date:17th January , 2019.
4. **Aims and Objectives: :**
 - i. To make students aware of practical applications of the subject.
 - ii. To provide students an experience outside the classrooms..
 - iii. To provide students knowledge of different techniques and processes used in sewage treatment plant
 - iv. To create sense of teamwork among the students.
5. **No. of beneficiaries:** Total number – 40 , Female-33 , Male - 07
6. **Expenditure & funding agency:** Nil
7. **Brief description:** As per the syllabus of B. Sc. III Microbiology, study tour was organized to STP MLD sewage treatment plant, Dudhali. This plant collects waste water from Kolhapur city and treats it before releasing into Panchganaga river.
8. **Outcomes:**
 1. Students felt motivated during & after study tour.
 2. Students got to know about different instruments.
 3. Students got to know the various sewage treatment processes.

9. Photos:



10. Signatures of coordinator/ organizer: —

Ms. V. V. Misal -

For



HEAD
DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



B.Sc.III study tour at STP MLD, Dudhali 2019

