

Report on "Industrial Skills in Microbiology"

We have organized ten days online workshop on 'Industrial Skills in Microbiology' from 14th to 24th March 2022.

This workshop was jointly organized by Department of Microbiology, Tuljaram Chaturchand College in collaboration with Entrepreneurship Development Cell

The objective of the workshop was to develop new skill set and knowledge of techniques directly applicable to students for their careers in different industries

the key objectives of pharmaceutical microbiology is to ensure safety and efficacy of pharmaceutical products.

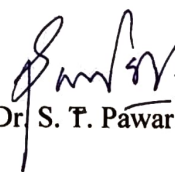
The workshop emphasizes the knowledge and skill help them obtain training in areas that most benefit them for bright career. This workshop was useful for students to improve their knowledge and skills, which in turn will motivate, develop and build their confidence to improve job performance by extending knowledge, inculcating skills and modifying attitudes,

Participants were M.Sc. students from Microbiology department. Total 49 participants are benefited by this workshop.

Overall the workshop was very informative and thought provoking.

Noted
ADS
12/1




Dr. S. T. Pawar

Head
Department of Microbiology

Date: 12th March 2022

To,
The Principal
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati
(Autonomous)

Subject: Permission and approval to conduct online workshop on 'Industrial Skills in microbiology' under ED Cell.

Respected Sir,


The Department of Microbiology wishes to organize Ten days online workshop on the 'Industrial Skills in microbiology' subject theme. Please find the details in overleaf regarding the tentative program and budget.

I, therefore, request you to grant permission to conduct this workshop and expenditures.



Recommended
to organize
workshop under
ED Cell
12/3/2022

Allowed
12/3/22


Dr. S. T. Pawar
Head, Department of
Microbiology

Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati
(Autonomous)

(Affiliated to Savitribai Phule Pune University, Pune),
Department of Microbiology and Entrepreneurship Development Cell
Organizes

Ten days Online workshop on 'Industrial Skills in microbiology'

Date: Monday 14/03/2022

Coordinator: Mr. Dhawal V. Doshi

Sr. No.	Name of Resource person	Title of Topic	Date	Time
1	Mrs. Kirti Aphale, Consultant and trainer, Q-EDGE, Pune	An introduction to pharma and biotech industry	14/03/2022 15/03/2022	3pm to 4pm 3pm to 4pm 4pm to 5pm
2	Mrs. Kirti Aphale, Consultant and trainer, Q-EDGE, Pune	An introduction to pharma and biotech guidelines	16/03/2022 17/03/2022	3pm to 4pm 3pm to 4pm 4pm to 5pm
3	Mrs. Kirti Aphale, Consultant and trainer, Q-EDGE, Pune	Clean room systems for contamination control in industry	18/03/2022 19/03/2022	3pm to 4pm 4pm to 5pm 3pm to 4pm
4	Mrs. Kirti Aphale, Consultant and trainer, Q-EDGE, Pune	cGMP	20/03/2022 21/03/2022	3pm to 4pm 4 pm to 5 pm 3pm to 4pm
5	Mrs. Kirti Aphale, Consultant and trainer, Q-EDGE, Pune	Practical industrial videos, Actual industry photos, Quiz, Interview preparation, online knowledge, Online knowledge test.	22/03/2022 23/03/2022 24/03/2022	3pm to 4pm 3pm to 4pm 3pm to 4pm

Tentative Budget details:

1. Course fee – Nil
2. Remuneration rates for the resource person - Rs. 1500/- per lecture
3. Travelling allowance to the resource person – Nil
4. Honorarium to course coordinator – Rs.1000/-
5. Rs. 1000/- for clerical assistance (preparation of certificates and distribution)
6. Lunch – Nil

Total expenditure expected: 24500/-



[Signature]
Dr. S. T. Pawar
Head, Dept of
Microbiology

Approved
ED cell details.
MBS / P. B. B. all
[Signature]
14.3.

seen
[Signature]

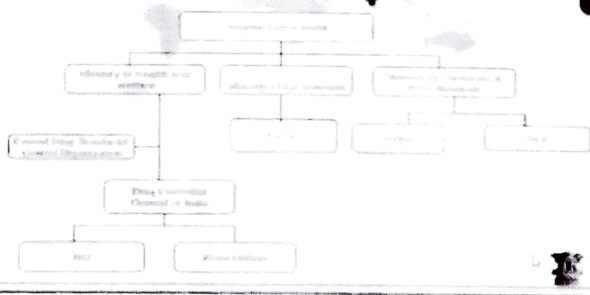
Anekan Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
Certificate Course-2021-22
Subject: - CC027
Attendance



Sr.no	Roll No	PRN	Student Name	DATE												
				14/03/2022	15/03/2022	16/03/2022	17/03/2022	18/03/2022	19/03/2022	20/03/2022	21/03/2022	23/03/2022	27/03/2022			
1	15981	13203215485	PATIL SUSHMITA PARISANATH	P	P	P	P	P	P	P	P	P	P	P	P	P
2	15982	13203213273	KAMBALE RUSHIKESH SUBHASH	P	P	P	P	P	P	P	P	P	P	P	P	P
3	15983	13203213263	KAMBLE SIDDHANT KISHOR	P	P	P	P	P	P	P	P	P	P	P	P	P
4	15984	13203213275	BHISE PRATIK SAMPAT	P	P	P	P	P	P	P	P	P	P	P	P	P
5	15985	13203213277	KUMBHAR PRIVANKA DILIP	P	P	P	P	P	P	P	P	P	P	P	P	P
6	15986	13203213283	BANSUDE DNYANESHWARI BHGWAN	P	P	A	P	P	P	A	P	P	P	P	P	P
7	15987	13203213276	GHADAGE SHIVPRAASAD SHAMRAO	P	P	A	P	P	P	A	P	P	P	P	P	P
8	15988	13203213267	SHENDE MONALI DHANAJI	P	A	P	P	P	P	P	P	P	P	P	P	P
9	15989	13203213262	LONDHE SUPRAJ ASHOK	A	P	P	P	P	P	A	P	P	P	P	P	P
10	15990	13203213280	PATHAN AAYESHA ASIF	A	P	A	P	P	P	A	P	P	P	P	P	P
11	15991	13203213282	TAWARE LANKA LAHU	P	P	P	P	P	P	P	P	P	P	P	P	P
12	15992	13203213268	MUNOLI KIRAN PARMESHWAR	A	A	A	A	A	A	A	A	A	A	A	A	A
13	15993	13203215496	GAWADE SHUBHAM SHIVAJI	P	P	P	P	P	P	P	P	P	P	P	P	P
14	15994	13203213261	GAIKWAD RUTUJA RAHUL	P	P	A	P	P	P	A	P	P	P	P	P	P
15	15995	13203215494	AGAMI MANISHA ASHOK	A	P	P	P	P	P	A	P	P	P	P	P	P
16	15996	13203213270	CHAVAN PUJA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P
17	15997	13203215492	MULE SAYALI SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P
18	15998	13203215489	SHIROTE SWARUPA SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P
19	15999	13203213281	CHAVAN PRATIKSHA VINAYAK	P	P	P	P	P	P	P	P	P	P	P	P	P
20	16000	13203213284	SHELKE AISHWARYA CHANDRASHEKHAR	P	P	P	P	P	P	P	P	P	P	P	P	P
21	16001	13203213272	GHORPADE SHRADDHA SUNIL	P	P	P	P	P	P	P	P	P	P	P	P	P
22	16002	13203215484	SHENDAGE ANKITA DIGAMBER	A	P	A	P	P	P	A	P	P	P	P	P	P
23	16003	13203213285	GADGE PRAJAKTA RAMDAS	P	P	P	P	P	P	P	P	P	P	P	P	P
24	16004	13203213266	DHAWALE PRATIKSHA TANAJI	P	P	P	P	P	P	P	P	P	P	P	P	P
25	16021	13203215488	GAI PRATIK JIVANDHAR	A	P	P	P	P	P	A	P	P	P	P	P	P
26	16022	13203213274	KALE SANDESH LAKSHMAN	P	P	P	P	P	P	P	P	P	P	P	P	P
27	16023	13203215486	CHINCHAWADE PARSHWANATH VIJAYKUMAR	A	P	P	P	P	P	A	P	P	P	P	P	P
28	16024	13203213269	GADIYA NUPUR KIRTIKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P
29	16025	13203215493	HANGE POURNIMA AJAY	A	P	P	P	P	P	A	P	P	P	P	P	P
30	16026	13203215491	JAGTAP SADHANA MOHAN	P	P	P	P	P	P	P	P	P	P	P	P	P
31	16027	13203213279	KULKARNI ADITI DEEPAK	A	P	P	P	P	P	A	P	P	P	P	P	P
32	16028	13203215490	KOLE SNEHAL KIRAN	A	P	P	P	P	P	A	P	P	P	P	P	P
33	16029	13203215487	PATIL NEHA SANJAY	A	A	A	A	A	A	A	A	A	A	A	A	A
34	16030	13203215482	BALGUDE KIRAN KANTILAL	A	A	A	A	A	A	A	A	A	A	A	A	A
35	16031	13203213278	JAGTAP SHRADDHA SHIVAJI	P	P	P	P	P	P	P	P	P	P	P	P	P

Regulations in India

The Regulatory Affairs Organization Chart



ics

sically manufactures bio similar products
sing downstream process and upstream
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raw material is it self bio molecule used
oduce same kind of bio molecule.
functional department of the business
ire .
duction
ility Control
ility Assurance
cess and development
nology Transfer
cess Engineering
neering services

8. Projects
9. Regulatory Affairs
10. Supply chain manag
11. Ware house
12. Business developm
13. Information Technol
14. Finance
15. Human Resources
16. Administration
17. Marketing

Overview of the departments

Pharmaceutical Ingredients(API)

Particular business unit manufactures
all drugs called API's
The raw materials used are chemicals.
The functional department of the business
unit are :

Production

Quality Control

Quality Assurance

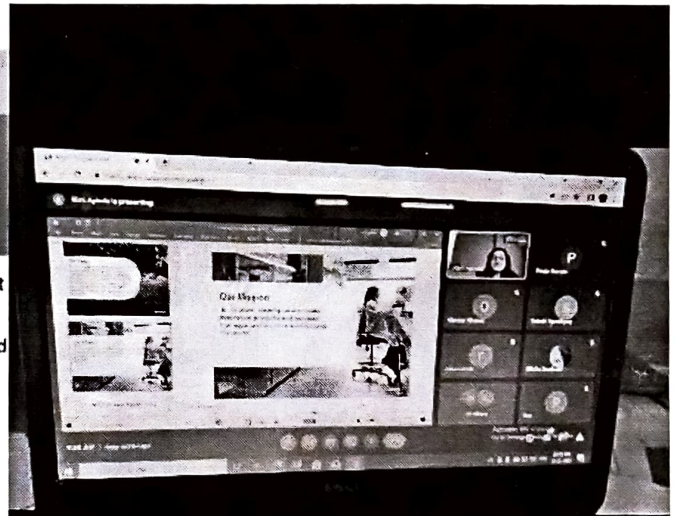
Process and development

Technology Transfer

Process Engineering

Engineering services

8. Projects
9. Regulatory Affairs
10. Supply chain management
11. Ware house
12. Business development and strategic management
13. Information Technology
14. Finance
15. Human Resources
16. Administration
17. Marketing



- The graduates will be knowledgeable about contemporary developments and technological challenges
- The graduates will demonstrate ability to conduct experiments, collect, analyze and interpret data
- The graduates will be able to design a process, a product or a system within constraints of cost, social relevance, safety, economics, ethics, environment and sustainability
- The graduates will be able to plan, formulate, execute and manage projects in the domain of life sciences, bioprocess and bioinformatics

- ❖ India is a globally acknowledged source of high quality affordable medicines
- ❖ It is emerging as not only a global manufacturing base of the pharmaceutical industry, but also as the hub for contract research, clinical trials, biotechnology and clinical data management services
- ❖ The Indian pharmaceutical industry comprises around 250 large units and about 80,000 small scale units that operate across the pharmaceutical value chain ranging from new drug discovery to marketing and distribution.

Kirti is presenting



Kirti is presenting



Sunil



Marti...



Kirti



Sakshi

Anekant Education Society's
Tuljaram Chaturchand College, Baramati.
Feedback form of workshop on ' Industrial skills in Microbiology' on 14-24 Mar 2022

This Workshop met started aim and objectives.	The workshop facilities were appropriate and satisfactory.	The workshop material was presented in clear and organized manner.	The workshop placed appropriately	The presenters responded to questions in an informative, appropriate and satisfactory manner.	Overall, the session were informative and valuable.	Other comment
Agree	Agree	Agree	Agree	Agree	Agree	
Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Agree	Agree	Neutral	Strongly Agree	
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Strongly Agree	Strongly Agree	Agree	Agree	Strongly Agree	Agree	
Strongly Agree	Agree	Strongly Agree	Agree	Agree	Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Agree	
Strongly Agree	Agree	Agree	Agree	Agree	Strongly Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Teaching was good
Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	informative session will be definitely helpful in career buildup.
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	This session is very good.
Strongly Agree	Strongly Agree	Agree	Agree	Strongly Agree	Strongly Agree	The session is very informative , knowledge and time management.
Strongly Agree	Strongly Agree	Agree	Agree	Agree	Agree	Overall good
Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Its really very informative
Agree	Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Its really informative
Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Its really informative
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Agree	Agree	Agree	Agree	Thank you So much Mam It's very important and helpful for our future
Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Very enthusiastic teacher with good presentation skills.
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Neutral	Agree	Agree	Agree	
Agree	Agree	Agree	Agree	Agree	Agree	no
Strongly Agree	Agree	Strongly Agree	Agree	Agree	Agree	The workshop is very knowledgeable and outstanding
Agree	Strongly Agree	Agree	Strongly Agree	Agree	Agree	Good
Agree	Agree	Agree	Agree	Agree	Agree	The workshop is very helpful .
Agree	Agree	Agree	Neutral	Agree	Strongly Agree	
Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	All content are important in industrial area
Agree	Agree	Agree	Agree	Strongly Agree	Strongly Agree	That's why the workshop is good done.
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Agree	
Agree	Agree	Agree	Agree	Agree	Agree	No
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Session was very informative and knowledgeable it will helps alot in future..
Agree	Agree	Agree	Agree	Agree	Agree	No
Agree	Agree	Strongly Agree	Agree	Agree	Agree	It was good
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Outstanding.
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly agree
Agree	Agree	Strongly Agree	Agree	Agree	Agree	Miss gives us information about industrial skills & very helpful knowledge provide us
Strongly Agree	Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Agree	Agree	Agree	Agree	
Strongly Agree	Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	



[Signature]
Head
of the Department

Anekaat Education Society's



Tuljaram Chaturchand College
of Arts, Science & Commerce (Autonomous)
Baramati, Dist. Pune - 413102 (MH)

CERTIFICATE OF PARTICIPATION

This is to certify that **Mr./Miss GADIYA NUPUR KRANTIKUMAR**

of **Class : M.Sc** has participated in Ten days workshop on "Industrial skills in Microbiology"
organized by Department of Microbiology and Entrepreneur Development Cell, Tuljaram
Chaturchand College of Arts, Science & Commerce, Baramati from 14 to 24th March 2022.

Mr.D.V. Doshi
Coordinator

[Signature]
Dr. S.T. Pawar
Head

[Signature]
Dr. V.C. Kakade
ED Cell
Coordinator

[Signature]
Dr. C.V. Murumkar
Principal





Anekant Education Society's

**Tuljaram Chaturchand College of Arts, Science and Commerce,
Baramati (MH) India**

(Autonomous)

Department of Microbiology

Under ED Cell

Organizes

**Ten Days online Workshop on
Industrial Skills in Microbiology**

Resource Person

Mrs. Kirti Aphale

Consultant and trainer. Q-EDGE. Pune

Organizing Committee

**Asst. Prof. D. V. Doshi
Coordinator**

**Dr. V. C. Kakade
Coordinator
ED Cell**



**Dr. S. T. Pawar
Head
Department of Microbiology**

**Dr. C. V. Murumkar
Principal
T. C. College, Baramati**

Time – Monday 14th Mar, 2022 from 09.00 am to 11.00 am


Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati
(Autonomous)
(Affiliated to Savitribai Phule Pune University, Pune),

Department of Microbiology and ED CELL
Organizes

TEN days workshop on 'INDUSTRIAL SKILLS IN MICROBIOLOGY'


Date: Monday 14/03/2022 TO 24/03/2022
Budget Utilization

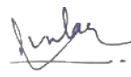
Sr. No.	Name of the resource person	Bank account details	Remuneration (Rs)
1	MRS KIRTI APHALE	1. Bank name: ICICI bank 2. Branch: Aundh, Pune 3. Address: Aundh, Pune 4. Account No: 007301018336 5. IFSC code: ICIC0000073	22500/- (Honorarium, 15 Lectures X 1500/- Rs per lecture)
2	Mr Dhawal Vidyachandra Doshi	1. Bank name: Union bank of India 2. Branch: Baramati 3. Address: Baramati 4. Account No: 520441023282278 5. IFSC code: UBIN0560596	1000/- (Honorarium to workshop coordinator)
		Total -	23500/-


Prof. S T Pawar

Head, Dept of Microbiology




ED Cell


Principal
Tuljaram Chaturchand College
Baramati