

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

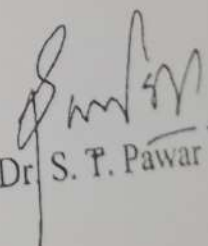
The objective of the workshop was to develop new skill set and knowledge of techniques directly applicable to students for their careers in different industries

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.

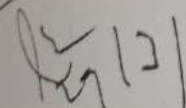
Overall the workshop was very informative and thought provoking.


Dr. S. T. Pawar

Head

Department of Microbiology

Noted
MS


12/1

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
12/13/2022


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

Allowed
12/27/22

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	eGMP	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

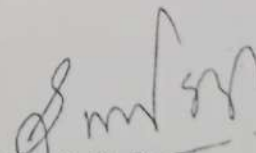
Tentative Budget details:

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/-

Approved
ED cell details
MBS / Bishale
14-3.

seen
Chatur


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

Regulations in India

The Regulatory Affairs Organization Chart



- ics**
- 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
- ically manufactures bio similar products using downstream process and upstream process
- raw material is it self bio molecule used to produce same kind of bio molecule
- functional department of the business are
- Quality Control
- Quality Assurance
- Process and development
- Technology Transfer
- Process Engineering
- Engineering Services

Overview of the departments

Pharmaceutical Ingredients (API)

particular business unit manufactures drugs called API's

raw materials used are chemicals.

functional department of the business are

Quality Control

Quality Assurance

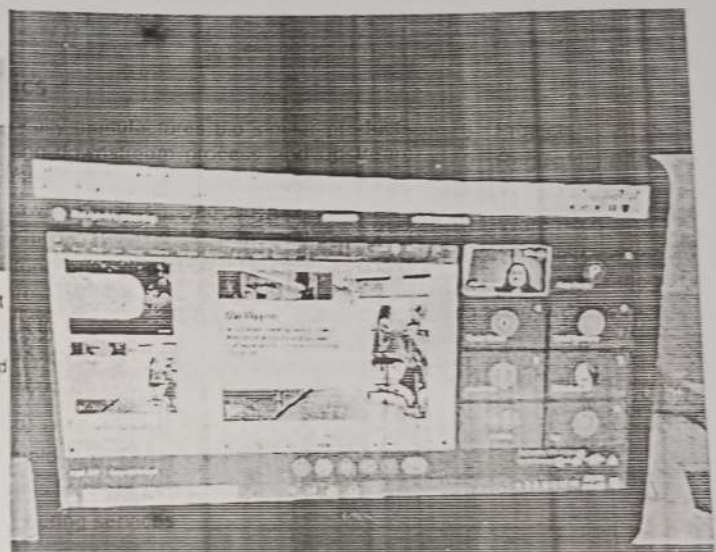
Process and development

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 or product of 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

It is the primary and largest 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

Kirti

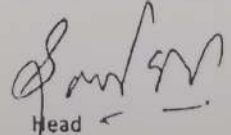
Marti

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	Agree	Strongly Agree	Agree	
Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
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Agree	Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Strongly Agree	Agree	Neutral	Strongly Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	
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Strongly Agree	Strongly Agree	Strongly Agree	Agree	Agree	Agree	
Strongly Agree	Agree	Agree	Agree	Strongly Agree	Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Agree	Agree	Strongly Agree	
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Teaching was good
Strongly Agree	Strongly 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	Agree	Agree	Agree	Very enthusiastic teacher with good presentation skills.
Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly 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	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	That's why the workshop is good done.
Agree	Agree	Agree	Agree	Strongly Agree	Strongly Agree	
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Agree	No
Agree	Agree	Strongly Agree	Agree	Agree	Agree	No
Agree	Agree	Agree	Agree	Agree	Agree	Session was very informative and knowledgeable It will helps alot In future..
Agree	Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	No
Agree	Agree	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	



Head
of the Department




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

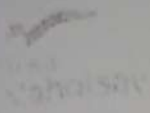
of Class : M.Sc has participated in Ten days workshop on "Industrial skills in Microbiology"
organized by Department of Microbiology and Entrepreneur Development Cell, Tuljaram
Chaturchand College of Arts, Science & Commerce, Baramati from 14 to 24th March 2022.

Mr.D.V. Doshi
Coordinator


Dr. S.T. Pawar
Head

Dr. V.C. Kakade
ED Cell
Coordinator


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. V. V. Doshi
Coordinator

Dr. S. T. Pawar
Head
Department of Microbiology

Dr. V. C. Kalade
Coordinator
ED Cell

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

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

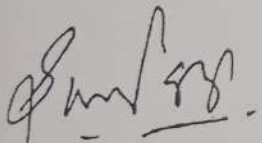
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati
(Autonomous)
(Affiliated to Savitribai Phule Pune University, Pune),

Department of Microbiology and ED CELL
Organizes

TEN days workshop on 'INDUSTRIAL SKILLS IN MICROBIOLOGY'

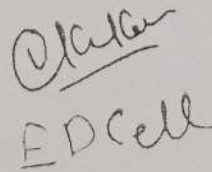
Date: Monday 14/03/2022 TO 24/03/2022
Budget Utilization

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