

Rayat Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE, VASHI
Activity report under MOU/linkages/Collaborations
Department Of Microbiology

MoU Activity Report

Date:15/12/2019

Skill-based course on Molecular Biology - Recombinant Protein Expression

Details of Activity: Skill-based course on Molecular Biology - Recombinant Protein Expression

Title of Activity Student exchange activity on Molecular Biology Specialization: Recombinant Protein expression course

Duration: 22/12/2019 to 26/12/2019 [30 hours, 5 days] (MSc. I students)

Attendee Number: 24

Name of Resource person: Mr Tejas Chirmade & Ms Reena Deshmukh (Directors, ZOEACS Life Science LLP, Pune)

Name of Collaborating Agency: ZOEACS Life Science LLP, Pune

Objectives of Activity

- The main objective of the training program is to provide excellent training in technical, operational and professional skills for students of M.Sc. I.
- To understand the molecular basis of genetic processes Recombinant protein expression.
- To map the location of genes on specific chromosomes and associate them with particular characteristics of an organism
- To understand Gene cloning in expression vector: Restriction endonuclease
- Introduction of Bacterial Transformation.

Description of Activity

The Department of Microbiology organized a Skill-based course on Molecular Biology Specialization: Recombinant Protein Expression course by Mr Tejas Chirmade & Ms Reena Deshmukh from 22/12/2019 to 26/12/2019 for a total of 5 days. Total 24 M.Sc. I students were present for the advanced molecular biology training.

All participants were welcomed by Dr Rajeshri Ghorpade Mam and felicitation was done by the Head of the Department of Microbiology Dr. Keshav Shinde. The Resources person Mr Tejas Chirmade & Ms Reena Deshmukh are Directors, of ZOEACS Life Science LLP, Pune and were fellows in the prestigious National Chemical Laboratory, Pune, a CSIR National Laboratory. Resources persons educated students training on Molecular Biology Specialization: Recombinant Protein expression course the basics in molecular biology - fundamentals, principles of various techniques and their applications. The 5-day hands-on training skill-based session covered theory as well as hands-on training followed by clarifying all doubts possessed by the students. The students gained clarity on the subject and the hands-on method of learning imparted confidence to conduct such experiments independently. The vote of thanks was proposed by Ms. Darshana Raut.

Describe in 100 words the reason of MOU: The students/ participants are introduced to advanced techniques in molecular biology at par with modern technology that is used at



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national research institutes. With successful completion, students will gain clarity of the subject and a hands-on method of learning imparted confidence to conduct such experiments independently. The course is conducted by two fellows of the National Chemical Laboratory, an eminent CSIR institute of national importance. These trainers have vast experience in advanced molecular biology, especially protein expression profiling and are respected for their quality peer publications.

The benefit to students:

The participants are introduced to the basic and advanced techniques in molecular biology that are at par with modern technology. The participants gain clarity of the subject and the hands-on method of the following area.

- Students gained knowledge of the molecular basis of genetic processes and Recombinant protein expression.
- Students understood how to map the location of genes on specific chromosomes and associate them with particular characteristics of an organism
- Students understood gene cloning in expression vectors and the action of specific Restriction endonuclease and carried out gene cloning
- Students got hands-on training sessions on Bacterial Transformation

Link of activity (If Online): NA

Certificates received for activity by students (google drive link):
<https://drive.google.com/file/d/13p4waFgctHcZTuT12YsX1ugOLbLZBVNo/view?usp=sharing>

For internship certificates of students under MOU (Google drive link): NA

Attendance of participated students with their signature (Google drive link):
<https://drive.google.com/file/d/1wcv5fu9J0gsPEbh3NJ4x-CKd-i0rXyO/view?usp=sharing>

Feedback of activity (Google Drive link):

<https://docs.google.com/spreadsheets/d/1ZzdtNox6agEJaWI7zVZuTwR1O-8F2z9F1WXVgX2A9pk/edit?usp=sharing>

Participants thoroughly liked the course on advanced molecular biology by Mr Tejas Chirmade and Ms. Reena Deshmukh conducted at UG Microbiology Laboratory, Department of Microbiology, Karmaveer Bhaurao Patil College, Vashi (Autonomous). Most participants were delighted with the outcomes of the workshop and students gained advanced skills and knowledge in this domain area. Overall session



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Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Vashi
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Department of Microbiology
 &
 ZOEACS Life Science LLP, Pune
Workshop on Molecular Biology, specialization: Recombinant protein expression
 22nd to 26th December 2019
 Attendance report

Sr. No.	Name of Participant	Email Id	Mobile no.	22/12/2019	23/12/2019	24/12/2019	25/12/2019	26/12/2019
1	Waghmare Siddhi Nitin	cusiddhi21@gmail.com	9821243252	<u>SN</u>	<u>SN</u>	<u>SN</u>	<u>SN</u>	<u>SN</u>
2	Bhattacharya Shreya Sanjay	shreyabhattacharya29@gmail.com	7045695910	<u>SB</u>	<u>SB</u>	<u>SB</u>	<u>SB</u>	<u>SB</u>
3	Patil Jidnyasa Ravindra	jidnyasapatil1@gmail.com	7804156862	<u>RP</u>	<u>RP</u>	<u>RP</u>	<u>RP</u>	<u>RP</u>
4	Choukekar Pradnya Premratna	pradnyaprem1998@gmail.com	9957217761	<u>PR</u>	<u>PR</u>	<u>PR</u>	<u>PR</u>	<u>PR</u>
5	Kolekar Puja Mahadev	poojak271998@gmail.com	9920942109	<u>PJ</u>	<u>PJ</u>	<u>PJ</u>	<u>PJ</u>	<u>PJ</u>
6	Bhosale Poonam Sanjay	poonambhosale9810@gmail.com	8454903304	<u>PN</u>	<u>PN</u>	<u>PN</u>	<u>PN</u>	<u>PN</u>
7	Chavhan Satish Vinod	chavhansatish57@gmail.com	7620513484	<u>CS</u>	<u>CS</u>	<u>CS</u>	<u>CS</u>	<u>CS</u>
8	Sawant Rohit Shamrao	sawant852@gmail.com	996263280	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>
9	Khan Aisha Salim	kaisha0345@gmail.com	8850270974	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>
10	Talathi Ankita Shekhar	ankitatalathi18@gmail.com	9867727211	<u>AT</u>	<u>AT</u>	<u>AT</u>	<u>AT</u>	<u>AT</u>
11	Shaikh Sabiha Matiurrehman	sabikasha2019@gmail.com	8850218509	<u>SK</u>	<u>SK</u>	<u>SK</u>	<u>SK</u>	<u>SK</u>
12	Bhopatrao Pranali Bhaskar	PranaliBhopatrao1949@gmail.com	8087834130	<u>BP</u>	<u>BP</u>	<u>BP</u>	<u>BP</u>	<u>BP</u>
13	Dushman Pooja Raosaheb	Poojadushman15@gmail.com	7039794625	<u>DM</u>	<u>DM</u>	<u>DM</u>	<u>DM</u>	<u>DM</u>



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14	Sutar Shalini Sham	shalinisutar5@gmail.com	7045544412	shalini	shalini	shalini	shalini	shalini
15	Juvekar Surbhi Sanjay	surbhijuvekar@gmail.com	9029527565	surbhi	surbhi	surbhi	surbhi	surbhi
16	Mahadik Shivani Mukund	shivanimahadi60306@gmail.com	8291694640	shivani	shivani	shivani	shivani	shivani
17	Sakate Sagar Sunil	SagatSak4@gmail.com	7559197005	sagar	sagar	sagar	sagar	sagar
18	Kuthe Aishwarya Deoram	aishwaryakuthe1996@gmail.com	7020800699	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya
19	Raut Ankita Mohan	anku88raut@gmail.com	9930219371	Ankita	Ankita	Ankita	Ankita	Ankita
20	Vichare Siddhi Prabhakar	siddhivichare43@gmail.com	8691979107	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi
21	Umat Heena Ghanshyam	heenaumat@gmail.com	9920275719	Heena	Heena	Heena	Heena	Heena
22	Hasan Ilma Nadeem	ilmahasan2327@gmail.com	8097368273	Ilma	Ilma	Ilma	Ilma	Ilma
23	Dhane Swaranjali Shantaram	Swaranjalidhane26@gmail.com	8983578925	Swaranjali	Swaranjali	Swaranjali	Swaranjali	Swaranjali
24	Gupta Sonal Sunil	Sonalg10021999@gmail.com	9892256932	Sonal	Sonal	Sonal	Sonal	Sonal

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Signature of course coordinator



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ZOEACS LIFE SCIENCE LLP

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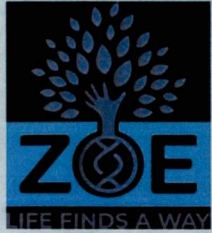
PARTNER

Signature of course conductor

Rayat Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE, VASHI

(Autonomous College)

Accredited as "A+" Grade with CGPA 3.53 & ISO 9001:2015 Certified Institute
STAR STATUS BY DEPARTMENT OF BIOTECHNOLOGY (Government of India)



DEPARTMENT OF MICROBIOLOGY

IN ASSOCIATION WITH

ZOEACS LIFE SCIENCE LLP, Pune

PRESENTS

**Skill-based course on Molecular Biology -
Recombinant Protein Expression**

CERTIFICATE

This is to certify that Mr./Ms. **Shivani Mahadik** of **M.Sc. Part I (Microbiology)** has completed skill-based course in "**Molecular Biology - Recombinant Protein Expression**" organized from 22nd to 26th December 2019 by Department of Microbiology, K.B.P. College, Vashi, Navi Mumbai.

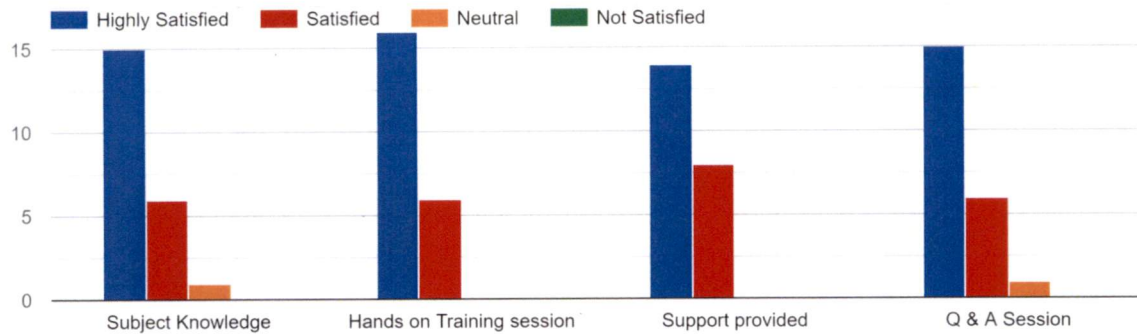
Dr. Shubhada Nayak
Head, Department of Microbiology



Dr. V. S. Shivankar
Principal, K.B.P. College, Vashi

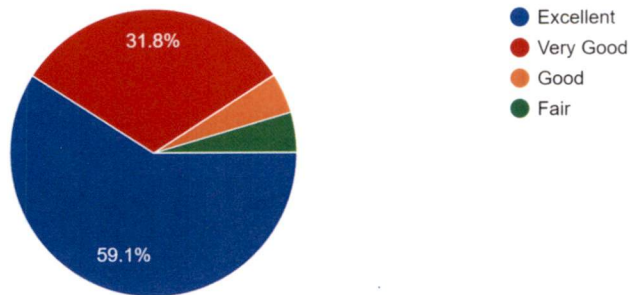
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Rate the Experts (Mr. Tejas Chrimade & Ms. Reena Deshmukh)



Overall review for the Session

22 responses



Photos of Activity (Geo tag):

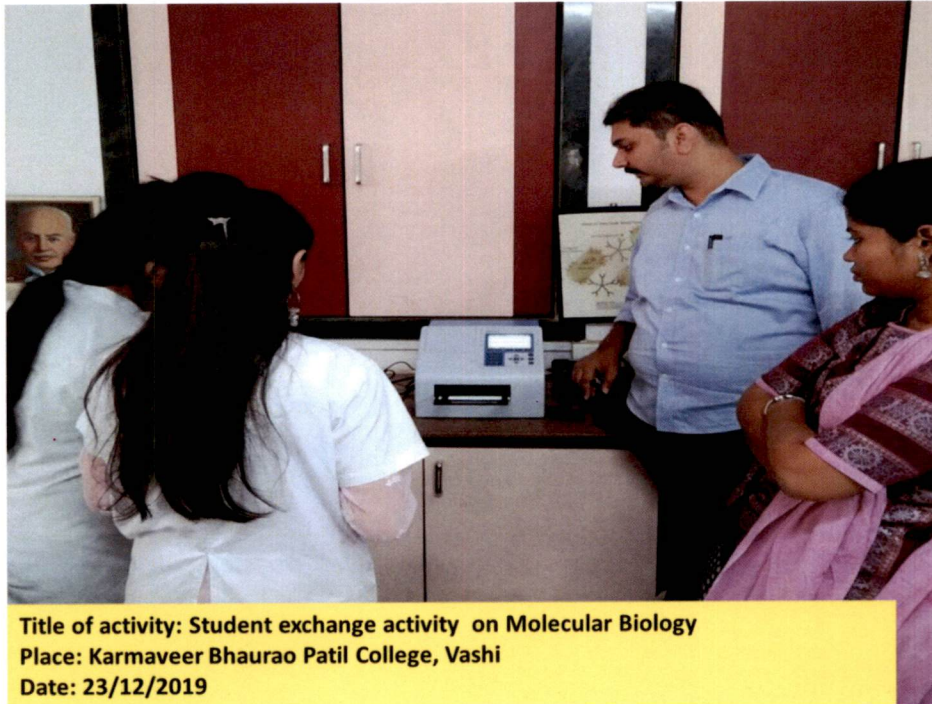


Title of activity: Student exchange activity on Molecular Biology
Place: Karmaveer Bhaurao Patil College, Vashi
Date: 22/12/2019

Day 1: Theory lecture by Mr. Tejas Chirmade conducted at UG Microbiology Laboratory, KBP College, Vashi (Autonomous)



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Title of activity: Student exchange activity on Molecular Biology
Place: Karmaveer Bhaurao Patil College, Vashi
Date: 23/12/2019


Day 2: Theory lecture by Mr. Tejas Chirmade, conducted at UG Microbiology Laboratory, KBP College, Vashi (Autonomous)



Title of activity: Student exchange activity on Molecular Biology
Place: Karmaveer Bhaurao Patil College, Vashi
Date: 24/12/2019

Day 3: Participants setting up cloning reaction conducted at UG Microbiology Laboratory, KBP College, Vashi (Autonomous)

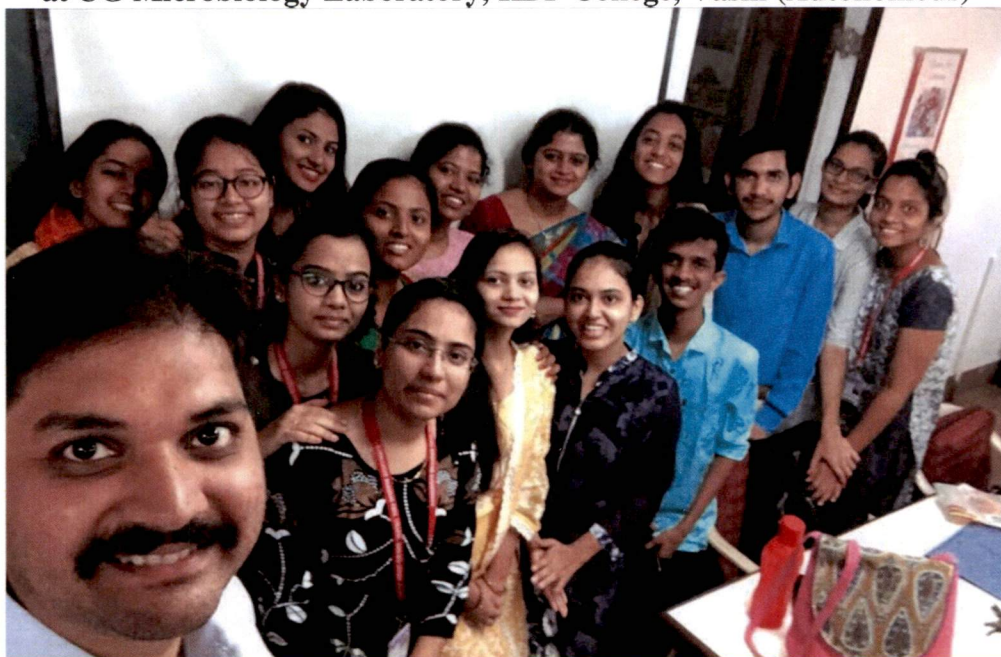



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Title of activity: Student exchange activity on Molecular Biology
Place: Karmaveer Bhaurao Patil College, Vashi
Date: 25/12/2019

Day 4: Mr. Tejas Chirmade assessing the cloning reaction performed by participants, at UG Microbiology Laboratory, KBP College, Vashi (Autonomous)



Title of activity: Student exchange activity on Molecular Biology
Place: Karmaveer Bhaurao Patil College, Vashi
Date: 26/12/2019

Day 5: Final assessment and closing of SBC at UG Microbiology Laboratory, KBP College, Vashi (Autonomous)

[Signature]
 15/12/2019
HEAD

[Signature]
 Mr Tejas Chirmade
 15/12/2019

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 15-12-2019

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