

Activity report for Certificate Course on Techniques in Molecular Biology (Level 2)

Name of activity	Certificate Course on Techniques in Molecular Biology (Level 2)
Objectives of the activity (maximum 40 words)	<ol style="list-style-type: none"> 1. In depth understanding of technical know-hows 2. Troubleshooting of various advanced molecular biology techniques
Organizing department/s	Department of Biotechnology and Microbiology
Collaborative institute	-
Date (DD / MM / YYYY)	18 th July 2024 to 17 th April 2025
Venue	Department of Microbiology, VPM's B.N. Bandodkar College of Science (Autonomous)
Mode	Offline
Details of Resource person (name, designation, institution)	<p>Dr. Jayashree Pawar Ms. Purvi Shah Dr. Ashwini Tilak</p>
Key Participants	Student of T.Y.B.Sc. Microbiology
Remarkable outcomes/ key take-away messages (max. three)	<p>Student was able to:</p> <ol style="list-style-type: none"> 1. Understand the principle and steps of Southern Blotting and RNA extraction 2. Perform preparation of competent cells and transformation 3. Perform 16SrRNA gene sequence analysis
Details of participants	
Total Number	1
Outsiders	-
In-house	1
	Faculty members: 0 Students: 1
	Male: 0 Female: 1 Others: --
Additional information	Theory exam were conducted to assess the understanding of students

Name of Coordinator/ teacher in-charge: Dr. Jayashree Pawar, Ms. Purvi Shah, Dr. Ashwini Tilak

Two Geo tagged photos:



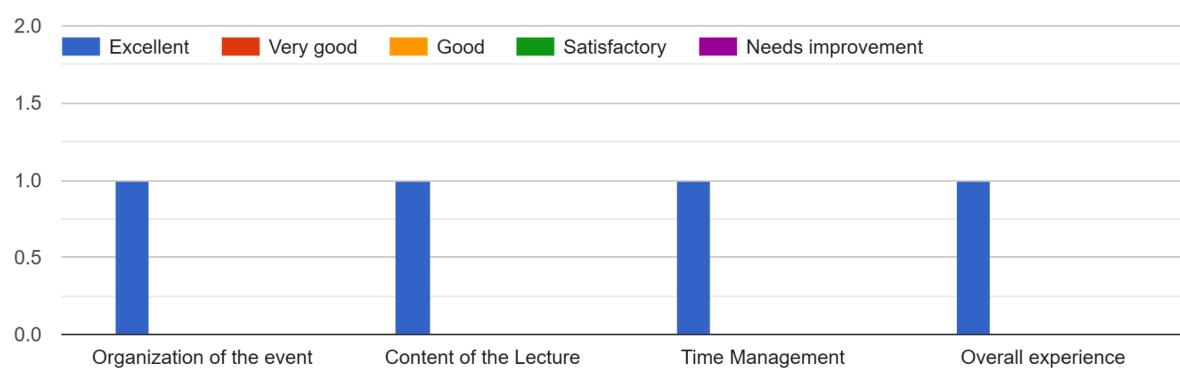
Attendance:

			18/7/24	19/7/24	20/7/24	21/7/24	22/7/24	23/7/24	24/7/24	25/7/24	31/7/24
1. Shubhadeva Jangam	2022420408	TYMB	✓	✓	✓	✓	✓	✓	✓	✓	✓
	36+19		✓	✓	✓	✓	✓	✓	✓	✓	✓

Impress *Worthy*
 Head Head
 Department of Biotechnology Department of Microbiology
 VPM's B.N. Bandodkar College of Science (Autonomous) VPM's B.N. Bandodkar College of Science (Autonomous)
 Thane (W) Thane (W)

Graphical representation of feed-back:

How did you find the certificate course? (Select any one among the five options)



Brochure:

V.P.M.'s B.N. BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE
DEPARTMENT OF BIOTECHNOLOGY & MICROBIOLOGY
CERTIFICATE COURSE ON TECHNIQUES IN MOLECULAR BIOLOGY

HIGHLIGHTS

- Hands-on sessions
- In-depth understanding of technical know-hows
- Troubleshooting guidelines
- Participants will earn 3 credits after completion of course

COURSE CONTENT

- Extraction of total RNA
- Southern hybridization
- Competent cell preparation using calcium chloride
- Transformation of *Escherichia coli* DH5α
- Blue white selection
- Tutorial on 16S rRNA gene sequence analysis

DURATION
18th July 2024 to 17th April 2025

ELIGIBILITY
All teachers and students of biological sciences

NUMBER OF SEATS
20 (First come, first serve basis)

RESOURCE PERSONS

Dr. Jayashree Pawar
Ms. Purvi Shah
Dr. Ashwini Tilak

VENUE
Department of Biotechnology, VPM's B. N. Bandodkar College of Science (Autonomous) Chendani Bunder Road, Near Cidco bus stop, Thane West.

CONTACT
bnb.molbio@gmail.com

REGISTRATION DETAILS

Gform link: <https://forms.gle/tFGq6Rg4VHns2RH8>
Fees: Rs. 10,000/- (+18% GST)
Mode of payment: Online Details would be shared on the registered mobile number and/or email-ID
Last date of registration: 7th December 2023

*Dr. Jayashree Pawar
18th July 2024
Head
Department of Biotechnology
VPM's B.N. Bandodkar College of Science (Autonomous)
Thane (W)
1-07-24*

*Department of Microbiology
VPM's B.N. Bandodkar College of Science (Autonomous)
Thane (W)
1-07-24*

Note: Only those participants who qualify the examination will be awarded certificate.
Fees do not include food and refreshments. Fees paid will not be refunded.