

## Activity report for Certificate Course on Techniques in Molecular Biology (Advanced)

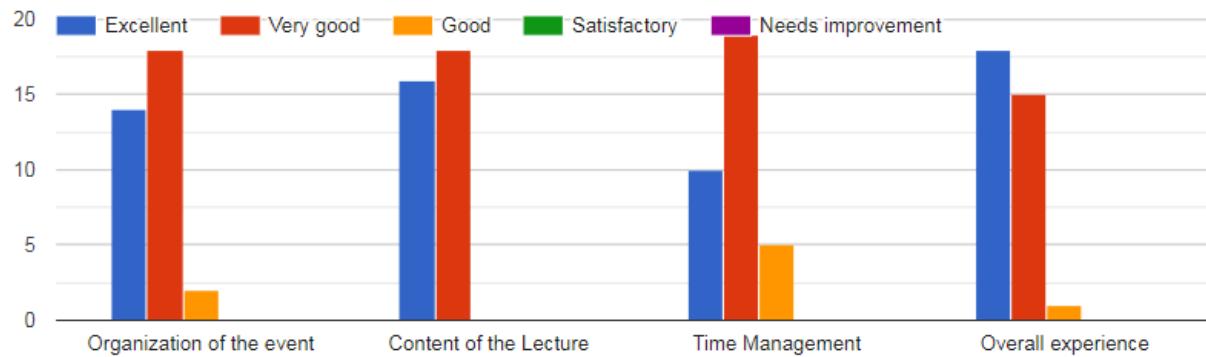
<b>Name of activity</b>	Certificate Course on Techniques in Molecular Biology (Advanced)
<b>Objectives of the activity (maximum 40 words)</b>	<ol style="list-style-type: none"> <li>1. In depth understanding of technical know-hows</li> <li>2. Troubleshooting of various advanced molecular biology techniques</li> </ol>
<b>Organizing department/s</b>	Department of Biotechnology and Microbiology
<b>Collaborative institute</b>	-
<b>Date ( DD / MM / YYYY )</b>	18 <sup>th</sup> to 25 <sup>th</sup> July 2024
<b>Venue</b>	Department of Microbiology, VPM's B.N. Bandodkar College of Science (Autonomous)
<b>Mode</b>	Offline
<b>Details of Resource person (name, designation, institution)</b>	<p style="text-align: center;">Dr. Jayashree Pawar Ms. Purvi Shah Dr. Ashwini Tilak</p>
<b>Key Participants</b>	Students of S.Y.B.Sc. and T.Y.B.Sc. Microbiology, Biochemistry and Biotechnology
<b>Remarkable outcomes/ key take-away messages (max. three)</b>	<p>Students were able to:</p> <ol style="list-style-type: none"> <li>1. Understand the principle and steps of Southern Blotting and RNA extraction</li> <li>2. Identify and resolve common issues encountered during Southern blotting and RNA extraction</li> </ol>
<b>Details of participants</b>	
Total Number	47
Outsiders	1
In-house	46
	Faculty members: 0   Students: 47
	Male: 12      Female: 35      Others: --
<b>Additional information</b>	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:



## Graphical representation of feed-back:



## Attendance:



## Brochure:

**V.P.M.'s B.N. Bandodkar College of Science (Autonomous), Thane**  
**Department of Biotechnology & Microbiology**  
**Certificate course on**  
**Techniques in Molecular Biology (Advanced)**

**HIGHLIGHTS**

- In-depth understanding of technical know-hows
- Troubleshooting guidelines
- Participants will earn **2 credits** after completion of course

**COURSE CONTENT (Demonstration)**

- Extraction of total RNA
- Electrophoresis of RNA
- Southern hybridization

**DURATION**  
18<sup>th</sup> -25<sup>th</sup> July 2024 (30 hours)

**ELIGIBILITY**  
All teachers and students of biological sciences

**RESOURCE PERSONS**

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

**REGISTRATION DETAILS**  
Gform link: <https://forms.gle/tFGq6Rg4VHtns2RH8>  
Fees: Rs. 2000/-  
Mode of payment: Online  
(Details would be shared on the registered mobile number and/or email-ID)

**LAST DATE OF REGISTRATION:**  
15<sup>th</sup> July 2024

**CONTACT**  
[bnb.molbio@gmail.com](mailto:bnb.molbio@gmail.com)

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

*Dr. Jayashree Pawar  
01/07/2024*  
*Ms. Purvi Shah  
01/07/2024*  
*Dr. Ashwini Tilak  
01/07/2024*

**V.P.M.'s B.N. Bandodkar College of Science (Autonomous)**  
**Department of Biotechnology**  
**Department of Microbiology**  
**Thane (MH)**