



**Shiv Chhatrapati Shikshan Santha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Microbiology**

A] Summary Report of the Activity

1) Title of Programme:		Workshop on "Demonstration on PCR Application"		
2) Name of Organizing Department		Department of Microbiology and Biotechnology		
3) Name of the Coordinator(s)/ Convener(s)/Organizer(s) of the Programme:		Chief Organizer: Dr. Mahadev Gavhane (Principal, RSML) Co-ordinator: Dr. D. V. Vedpathak (HoD. Microbiology), Dr. S. S. Kulkarni (HoD. Biotechnology)		
4) Date of the Programme:		13 th Oct. 2025		
5) Venue:		Department of Biotechnology, RSML		
6) Target Group:		Students of UG & PG of Microbiology		
7) Number of Participants:		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Teaching	01	02	03
	Non- Teaching	-	-	-
	Students	14	15	29
8) Name and details of Resource Persons/ Judge		Prof. Suraj Kadam.		

B] Report

i. Title: Workshop on "Demonstration on PCR Application"

ii. Introduction:

The Polymerase Chain Reaction (PCR) is one of the most powerful and widely used techniques in molecular biology, enabling the rapid amplification of specific DNA sequences. This method plays a crucial role in research, diagnostics, forensic analysis, and biotechnology. The demonstration of PCR application provides students with hands-on exposure to the principles of DNA amplification, including denaturation, annealing, and extension. Through this activity, learners gain an understanding of the workflow, instrumentation, and significance of PCR in detecting, analysing, and manipulating genetic material. This practical experience serves as a foundation for advanced molecular techniques and strengthens conceptual knowledge of gene-level studies.

iii. Objective of the Programme:

- a. To familiarize students with the fundamental principles and steps involved in the PCR technique.
- b. To provide hands-on exposure to PCR instrumentation, reagents, and workflow.
- c. To enable students to understand the applications of PCR in research, diagnostics, and biotechnology.

iv. Detail of Participants:

29 participants (Male 14 and 15 Female) attended the training programme

v. Brief summary of Event:

Workshop on "Demonstration on PCR Application" was collaboratively organized by the Departments of Microbiology and Biotechnology on 13th October 2025 at the Department of Biotechnology, RSML. A total of 29 students participated in the training session. Dr. S. S. Kulkarni, Head of the Department of Biotechnology, delivered the welcome address and provided an overview of the program. Prof. Suraj Kadam served as the resource person and conducted the session. The event concluded with a group photograph.

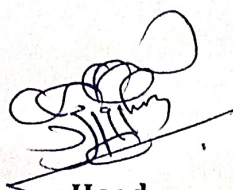
vi. Conclusion, with feedback on programme:

Workshop on "Demonstration on PCR Application" successfully fulfilled its objective of providing students with practical exposure to essential molecular biology techniques. The session enabled participants to understand the principles, workflow, and applications of PCR in various scientific fields. Through the demonstration, students gained valuable insights into the operation of laboratory instruments and the significance of DNA amplification in research and diagnostics. Overall, the programme contributed effectively to enhancing students' practical skills, deepening their

conceptual understanding, and encouraging further interest in advanced molecular techniques.

vii. Any Appendix, If Necessary: Nil

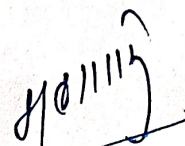
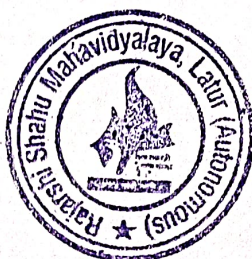
vii. List of Participants attached date: 14th October 2025



Head,
Department of Microbiology

HEAD

Dept. of Microbiology
Rajarshi Shahu Mahavidyalaya
LATUR - 413 512



Principal

PRINCIPAL

Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

C] Geotagged Photographs/ Screenshots



Prof. Suraj Kadam Explaining the PCR Process



Prof. Suraj Kadam Explaining the PCR Mix preparation



Prof. Suraj Kadam Explaining the PCR Thermocycler



Valedictory Function

D] Brochure of the programme:



 **Smt. Chhatrapati Shikshan Sanstha's**
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Department of Microbiology & Biotechnology

 **Jointly organizes**

Workshop on Demonstration on "PCR application"
Date- 13th Oct. 2025, Venue- Biotechnology Department
Time- 11.00 am

Organizer Dr. D.V. Vedpathak Head of Microbiology Department	Organizer Dr. S. S. Kulkarni Head of Biotechnology Department	Resource Person Mr. S. D. Kadam Biotechnology Department RSML
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Organizing Committee- S.S. Patil, Ms. R.S. Gudda, Ms. V. R. Hanwate, Ms. R.S. Shinde, Ms. P.V. Kandepatil

**Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya Latur (Autonomous),
Department of Microbiology and Biotechnology
Notice**

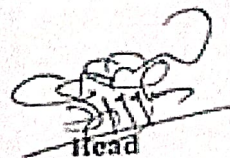
Date: 10.10.2025

All the students of UG III and PG II are hereby informed that, a Demonstration on
"PCR application"; is jointly organized by Department of microbiology and Biotechnology.
All students should remain present.

Date: 13th October 2025

Time: @ 11:00 am

Venue: Biotechnology Department



**Department of Microbiology
HEAD**

**Dept. of Microbiology
Rajarshi Shahu Mahavidyalaya
LATUR - 413 517**

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
 Department of Microbiology
 Student Participant list

Rajarshi Shahu Mahavidyalaya Latur (Auto)
 Department of Microbiology & Biototechnology

Jointly Organizes
 Demonstration on PCR Application
 -*Participant List*-

Sl. No.	Name of the students	Gender	Class	Sign.
1	Samudre. Kanchan Kalyan	female	Msc sy	
2	Kale Manisha Madhukar	female	Msc sy	
3	Kamble prerang Panditrao	female	Msc sy	
4	Kote Shrutika Sampath	Female	BSC TY	
5	Joshi Samruddhi Teetendro	Female	BSC TY	
6	Gutte Jaywant Vaijanath	Male	BSC TY	
7	Satang Chakradhar Govind	Male	BSC TY	
8	Pinjam Nawaj Shadul	Male	B.sc TY	
9	Bhaskar Vishnu Suresh	male	B.sc TY	
10	Chate Anurag Madhwar	Male	B.sc TY	
11	Kawate Ashutosh Bhimadas	male	B.sc TY	
12	Shrikisha Dnyanoba Chavan	male	BSc TY	
13	Sitapre Ratanan Athok	male	B.sc ty	
14	Shailesh Bhanudhan Kamate	male	B.sc sy	
15	Bhuvan Sunil Sude	male	B.sc TY	
16	Pawar Narmay Nagesh	Male	B.sc TY	
17	Pathan Sadiya Rasul	Female	M.Sc SY	
18	Shailya Anand Shinde	female	M.Sc. SY	
19	Shrikisha Dnyanoba Chavan	Female	M.Sc. SY	
20	Patel Anjum Ismail	Female	Msc. sy	
21	Shaikh Hussain Fatema	— II —	— II —	
22	Shaikh Bushra Tajjodin	— II —	— II —	
23	Joshi Ambika Vankat	— II —	— II —	
24	Modi Vaishnavi Basvesthavar	— II —	— II —	
25	Sankarshi Anup Deshpande	— II —	— II —	
26	Gaikwad Pratiksha Madhukar	— II —	— II —	
27	Savale Pranav Vittal	male	Msc sy	
28	Swami Vishveshwar Vishwasit	— II —	— II —	
29	More Shrushti Madhukar	— II —	— II —	

Head,

Department of Microbiology
 HEAD

Dept. of Microbiology
 Rajarshi Shahu Mahavidyalaya
 Latur - 413 512



Principal
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 Rajarshi Shahu Mahavidyalaya, Latur
 (Autonomous)