



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

A) Summary

1) Title of Programme:		Demonstration of PCR Application: Inter-Departmental Collaboration		
2) Name of Organizing Department/Unit:		Department of Biotechnology		
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:		Principal: Dr. Mahadev Gavhane Vice- Principal: Prof. S. N. Shinde Head: Dr. S. S. Kulkarni		
4) Date(s) of the Programme:		13 th October 2025		
5) Venue/ Mode:		Dept. of Biotechnology, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)		
6) Target Group:		B.Sc. TY & M.Sc. SY Microbiology Students		
7) Number of Participants:		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Teaching	00	00	00
	Non-Teaching	00	00	00
	Students	14	14	28
8) Name(s) and details of Resource Person(s), if any:		Mr. U. P. Sirdeshmukh Dept. of Biotechnology, Rajarshi Shahu Mahavidyalaya Latur (Autonomous) Mr. S. D. Kadam Dept. of Biotechnology, Rajarshi Shahu Mahavidyalaya Latur (Autonomous)		
9) Total Expenditure for the Programme:		Nil		
10) Source of Funding:		Not applicable		

B) Report

I. Title

Demonstration of PCR Application: Inter-Departmental Collaboration

II. Introduction

The Department of Biotechnology, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous), has organized a Hands-on Training on the Demonstration of PCR Application as part of an Inter-Departmental Collaboration. This initiative underscores our dedication to promoting experiential learning and fostering interdisciplinary engagement among the various life science disciplines.

Polymerase Chain Reaction (PCR) stands as a cornerstone technique in molecular biology, renowned for its ability to amplify specific DNA sequences with remarkable accuracy and sensitivity. Widely applied in fields such as genetics, medical diagnostics, forensic science, biotechnology, and academic research, PCR has transformed the way scientists analyze and manipulate genetic material. This hands-on training program is designed to provide participants with both theoretical understanding and practical experience in PCR techniques. By bridging the expertise of the Departments of Biotechnology and Microbiology, the event fosters a collaborative learning environment where students can develop essential laboratory skills and appreciate the multifaceted applications of PCR in modern science and industry.

III. Objectives of the Programme/ Issues addressed

- To provide hands-on experience in Polymerase Chain Reaction (PCR) techniques.
- To enhance understanding of the principles and protocols involved in PCR.
- To promote interdisciplinary collaboration between the Departments of Biotechnology and Microbiology.

IV. Details of Participants

Total Participants 28 (Female 14 and Male 14) attended the program.

v. Brief Summary of Events/ Sessions

The Department of Biotechnology successfully organized a Hands-on Training on the Demonstration of PCR Application under the initiative of Inter-Departmental Collaboration. The training was conducted by Mr. U.P. Sirdeshmukh and Mr. S.D. Kadam, who guided the participants through the practical aspects and applications of Polymerase Chain Reaction (PCR). The program commenced with a formal inauguration by Dr. S.S. Kulkarni, Head of the Department of Biotechnology. During his address, Dr. Kulkarni highlighted the state-of-the-art infrastructure and laboratory facilities available within the department, emphasizing the institution's commitment to quality education and research in biotechnology. All teaching faculty members from the Departments of Biotechnology and Microbiology were present for the event, showing strong support for interdisciplinary learning. Ms. Sonali Patil and Ms. Rakhi Shinde also graced the occasion with their presence. The event concluded with a valedictory session, where students shared positive feedback about their learning experiences during the training. The program ended

on a formal note with a vote of thanks delivered by Ms. Karuna Komatwar, appreciating the efforts of the organizers, trainers, and participants.

VI. Conclusion with Feedback on the Programme

The Hands-on Training on Demonstration of PCR Application proved to be a highly informative and enriching experience for all participants. It successfully bridged theoretical knowledge with practical skills, enhancing the students' understanding of a vital molecular biology technique. The collaborative efforts of the Departments of Biotechnology and Microbiology reflected a strong commitment to interdisciplinary learning and skill development. Overall, the training not only strengthened technical competence but also inspired students to pursue advanced research and applications in life sciences.

VII. Appendix: List of participants

Date: 14. 10. 2025


Head
Head
Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531




Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

C) Geotagged Photographs / Screenshots



Mr. S.D. Kadam Explaining the Theory and Applications of PCR



Faculty and Student Delegates from the Departments of Biotechnology and Microbiology



Resource Person Mr. S. D. Kadam giving information about PCR amplification process

D) Brochure of the Program



शिव छत्रपती
शिक्षण संस्था
लातूर
स्थापना - १९९०

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

Organizes

**Demonstration of PCR Application:
Inter-Departmental Collaboration**



Resource Person

Prof. U. P. Sirdeshmukh
Assistant Professor
Dept. of Biotechnology, Rajarshi Shahu
Mahavidyalaya Latur (Autonomous)

Prof. S. D. Kadam
Assistant Professor
Dept. of Biotechnology, Rajarshi Shahu
Mahavidyalaya Latur (Autonomous)

Dr. Mahadev Gavhane
Principal

Prof. S. N. Shinde
Vice- Principal

Dr. Sachin Kulkarni
Head, Dept. of Biotechnology

Date: 13 October 2025

Time: 10:00 AM

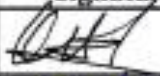
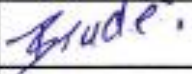
Venue: Dept. of Biotechnology



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

Demonstration of PCR Application: Inter-Departmental Collaboration

Sr.No	Name of the Student	Gender	Signature
1	Shrikrishna Dnyanoba Chavan	Male	
2	Sitape Rajratan Ashok	Male	
3	Karwate Shailesh Bhanudas	Male	
4	Pankaj Narayan Nagargoje	Male	
5	Pranav Vittal Sarole	Male	
6	Mohd Shamsunba Madhukar	Male	
7	Kote Shrutika Somnath	Female	
8	Joshi Samruddhi Teetendra	Female	
9	Samudra Kanchan Kalyan	Female	
10	Pathan Sadiya Basal	Female	
11	Shaikh Humain Fatema Md Ali	-/-	
12	Shaikh Bushra Tajoddin	-/-	
13	Patel Anjum Tamail	-/-	
14	Shaikh Daveriya	-/-	
15	Shaiya Anand Shinde	-/-	
16	Gaikwad pratiksha madhukar	-/-	
17	Deshpande Sanskruti Anup	-/-	
18	Swami Vishveshwar V.	Male	
19	Modi vaishnavi Basveshwar	Female	
20	Joshi Ambika Vyankat	Female	
21	Pinjari Nawaj Shadul	Male	
22	Gutte Jaywant Vajjanath	Male	
23	Bhasate Vishnu Suresh	Male	
24	Saeng Chakradhar Govind	Male	

Sr.No	Name of the Student	Gender	Signature
25	Omlesh Madhav Chate	Male	
26	Bhuvan Sunil Sude	male	
27	Shafte Bhanudas Kanwate	male	
28	Kanwate Ashutosh Bhanudas	Male	
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Head
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