



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



I. Documentation of Activity/Event/ Programme

A) Summary Report of the Activity

1) Title of Programme		DST-FIST Sponsored One Day State Level Symposium on "Analytical Methods for Biological Products"		
2) Name of Organizing Department/Unit		Microbiology		
3) Name of the Coordinator(s)/ Convener(s)/Organizer(s) of the Programme		Chairperson: Principal Dr. Mahadev Gavhane Convener: Dr. Deepak Vedpathak Co-Convener: Ms Sonali Patil Organizing Secretary: Prof. Sadashiv Shinde Coordinator: Ms Rani Gudda		
4) Date(s) of the Programme & Time		25 th February 2025, 10.30 AM to 06.00 PM		
5) Venue/Mode		VLC Hall, RSML, Latur		
6) Target Group		UG and PG Students		
7) Number of Participants		Male	Female	Total
A separate list with signatures should be maintained in the Department/Unit)	Students	32	76	108
	Teachers	06	11	17
	Total	38	87	125
8) Name(s) and details of Resource Person(s), if any		Dr. Jeetendra Kulkarni Dept. of Biotechnology, Dr BAM University Sub Centre, Dharashiv Dr. Vipin Hiremath Director, Progenome Life Sciences, Chhatrapati Sambhaji Nagar Dr. Vinod Jogdand Institute of Forensic Sciences, Chhatrapati Sambhaji Nagar.		
9) Total Expenditure for the Programme		Rs. 32846 /-		
10) Source of Funding		Under the DST-FIST PG College Project Scheme (Industrial & Research Development, IRD)		

B) Report of Event

i. Title:

DST-FIST Sponsored One Day State Level Symposium on “**Analytical Methods for Biological Products**”, Dated 25th February 2025, Tuesday.

ii. Introduction:

The term "cutting-edge technology" describes the most sophisticated and inventive instruments, procedures, or advancements in research and industry. These technologies are not only state-of-the-art but also ahead of their time, creating new possibilities for industries and shaping the future of career of aspirants. By offering useful methods for locating, identifying, and measuring natural materials, instrumental analysis is a cornerstone of the biological sciences. This analytical approach utilizes an array of instruments and methods to elucidate the chemical composition of products, making it indispensable for both research and industry-oriented applications.

The Life Sciences industry is experiencing an unprecedented wave of innovation, driven by cutting-edge technologies such as DNA amplification, molecular probes and electrophoresis equipment.

The present symposium is dedicated for understanding the UV-Vis spectroscopy, Infrared spectroscopy, HPLC and PCR applications for analysis of biological products.

iii. Objectives of the Workshop/ Issues Addressed:

- To educate participants on the significance of biological product analysis for its purity.
- To impart information on the principles and operation of sophisticated devices used in the analysis of biological products.
- To provide knowledge about analytical methods used.
- To comprehend the justification of the analytical data that was acquired.

iv. Details of Participants:

The state-level symposium was attended by undergraduate and postgraduate participants from various colleges. The presence of female participants was appreciable. Many of them expressed satisfaction about the topics, resource persons, arrangements, and lunch as one of the standards. They realized and gained knowledge about the importance of UV- Vis Spectrophotometer, FTIR, PCR and HPLC.

v. Brief Summary of Events/ Sessions:

The inaugural ceremony launched with a welcome speech by the Convener, Dr. Deepak Vedpathak, followed by introductory remarks by the Principal Dr. Mahadev Gavhane. Vice-Principal and Organizing Secretary Prof. Sadashiv Shinde, Prof. Prashant Dixit (Chairman, BoS in Microbiology, Dr. BAM university, Chhatrapati Sambhaji Nagar), Dr. Jeetendra Kulkarni, Dr. Vinod Jogdand and DST FIST Coordinator Dr. Kundan Tayade, were also shared the Dias. Dr Prashant Dixit put the keynote address of the symposium. He reviewed importance of microbiological product analysis in this advanced era for research and industrial purposes. Dr Jeetendra Kulkarni explained spectroscopy with special reference to UV- Spectrophotometer and FTIR. Dr Vipin Hiremath enlightened on applications of PCR in various molecular biology technologies. Dr Vinod Jogdand elaborated the technical knowhow of HPLC in product purification and analysis. Participants enthusiastically participated in discussions after each lecture.

In the valedictory program the Organizing Secretary Prof Sadashiv Shinde presented summary of the Symposium. Ms. Sonali Patil, Co-convener conducted the symposium and also expressed a vote of thanks to conclude the valedictory function. Certificates were distributed to the participants.

v. Conclusion, with Feedback on the Workshop:

The Symposium was found instrumental in conveying principles, standard operating procedures (SoPs) and analysis of results of biological products obtained on UV-Vis spectrometer, FTIR PCR and HPLC. The participants shared their views about Symposium and expressed satisfactory remarks.

vii. Any Appendix if Necessary:

- List of Participants: Annexure A



Convener & HoD

Dept. of Microbiology

Rajarshi Shahu Mahavidyalaya

1 A, R 413 012



DST-FIST Coordinator

Co-ordinator

DST-FIST Scheme

Rajarshi Shahu Mahavidyalaya, Latur



Co-convener



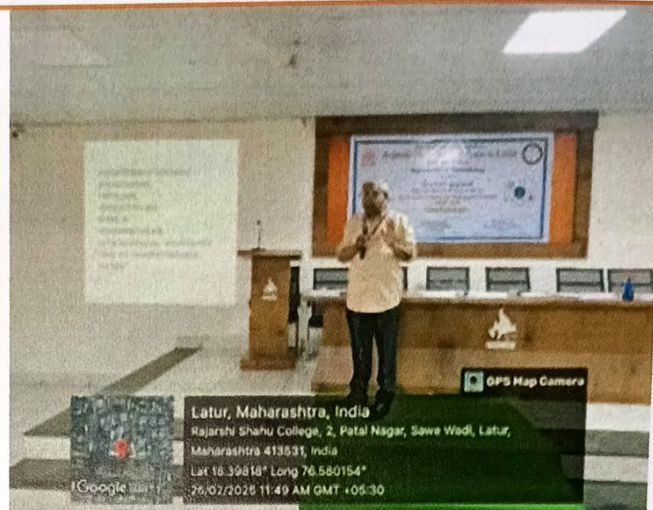
Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

C) Geotagged Photographs/ Screenshots

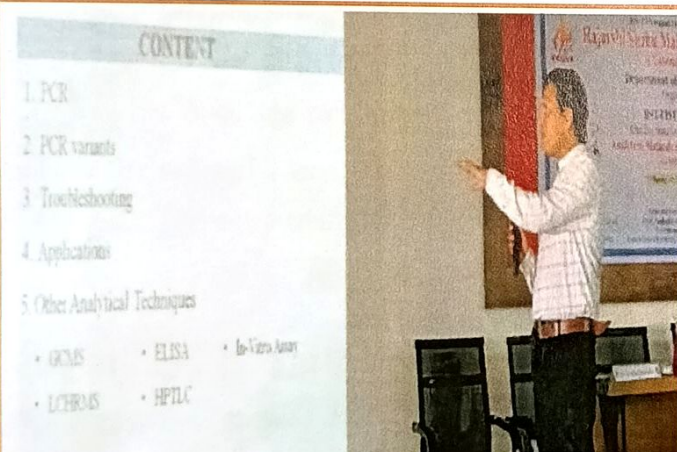
DST-FIST Sponsored One Day State Level Symposium on “Analytical Methods for Biological Products”, Dated 25th February 2025, Tuesday.



Dr Prashant Dixit Giving the Keynote address



Dr Jeetendra Kulkarni's Presentation about Spectroscopic Analysis



Dr. Vipin Hiremath Explaining PCR Analysis



Dr Vinod Jogadand's Talk on HPLC



The Presence of Teachers, Researchers and Student Delegates in the Symposium



The Presence of Student Participants in the Symposium

D) Brochure/Flyer of the Program:

Patrons

Hon. Dr. Gopalraoji Patil
President
Shiv Chhatrapati Shikshan Sanstha, Latur

Hon. Dr. Pandharinath Deshmukh
Vice-President
Shiv Chhatrapati Shikshan Sanstha, Latur

Hon. Principal Anirudh Jadhav
Secretary
Shiv Chhatrapati Shikshan Sanstha, Latur

Hon. Adv. Sunil Sonwane
Joint Secretary
Shiv Chhatrapati Shikshan Sanstha, Latur

Hon. Er. Gopal Shinde
Joint Secretary
Shiv Chhatrapati Shikshan Sanstha, Latur

Organizing Committee

Dr. Deepak Vedpathak (Convener)
Prof. Sadashiv Shinde (Organizing Secretary)
Ms Sonali Patil (Co-convener)
Ms Rani Gudda (Coordinator)
Ms Shraddha Bembde (Member)
Ms. Vaishnavi Hanwate (Member)
Ms. Dhanashri Chavan (Member)



Communication Details

Contact Number
9822757890, 7219717790, 7350876167
Email ID : rsmldeptmicrobiology@gmail.com

Advisory Committee

- **Prof. Dr. Arvind Deshmukh**, President, Microbiology Society, India
- **Dr. Rajendraprasad Awasthi**, Principal, Shivaji College, Bhopal, Dist. Latur
- **Dr. Santosh More**, Chairman, Keshavnagar, Shivaji College, Bhopal
- **Dr. Prashant Dixit**, Chairman, DoS in Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhaji Nagar
- **Dr. Omprakash Shahapurkar**, Controller of Examinations, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
- **Dr. Abhijit Yadav**, Coordinator, IOAC, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
- **Dr. Prashant Wakde**, Head, Department of Microbiology, Dnyaneshwar Mahavidyalaya, Peshwa
- **Dr. Sanjay Kshirsagar**, Head, Department of Microbiology, Sant Jambhaji ACS College, Gangakhed, Dist. Parbhani
- **Dr. Rahul More**, Head, Department of Microbiology, Dnyaneshwar Science College, Latur
- **Dr. Komal Gomare**, Head, Department of Biotechnology, Dnyaneshwar Science College, Latur
- **Dr. Dhyananjay Patke**, Head, Department of Chemistry, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
- **Dr. Dnyaneshwar Rathod**, Head, Department of Zoology and Fishery Sciences, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
- **Dr. Suchin Kulkarni**, Head, Department of Biotechnology, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

Resource Persons



Dr. Jayant Kulkarni
Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhaji Nagar Sub-Centre, Dhule



Dr. Vignesh Hiremath
Director, Postgraduate Life Sciences, Chhatrapati Sambhaji Nagar



Dr. Vinod Jogdand
Institute of Forensic Sciences, Chhatrapati Sambhaji Nagar



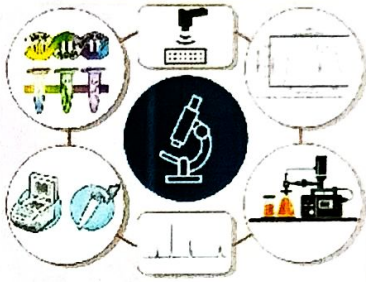

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya,
Latur (Autonomous)

(Affiliated to Swami Ramdasrao Teerth Marathwada University, Nashik)
NAAC Accredited A+ Grade with CGPA 3.49

Department of Microbiology
Organizes

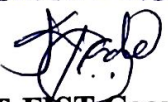
DST-FIST sponsored
One day state level symposium on
Analytical Methods for Biological Products
(AMBP: 2025)

Tuesday, 25th February, 2025



Chief Organizer
Dr. Mahadev Gavhane
Principal
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Convener
Dr. Deepak Vedpathak
Head,
Department of Microbiology


HEAD
Convener & HoD
Dept. of Microbiology
Rajarshi Shahu Mahavidyalaya
LATUR - 413 512

DST-FIST Coordinator
Co-ordinator
DST-FIST Scheme
Rajarshi Shahu Mahavidyalaya, Latur




Co-convener


Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)



**Shiv Chhatrapati Shiksha Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)**



Department of Microbiology

Organizes

DST-FIST Sponsored

One Day State Level Symposium

On

**“Analytical Methods for Biological Products”
(AMBP: 2025)**



Program Schedule

25th February, 2025, Tuesday	
Time	Events
09.30 AM -10.30 AM	Reporting & Breakfast
10.30 AM -11.30 AM	Inauguration
11.30 PM – 01.00 noon	Technical Sessions 1
01.00AM – 02.00 PM	Lunch Break
02.00 PM – 03.15 PM	Technical Sessions
03.15 PM – 03.30 PM	Tea Break
03.30 PM – 05.00 PM	Technical Sessions 3
05.00 PM – 05.45 PM	Valedictory program

Organizing Committee

Dr Deepak Vedpathak
Convener

Prof. Sadashiv Shinde
Organizing Secretary

Dr Mahadev Gavhane
Principal and Chairperson

Ms. Sonali Patil
Co-Convener

Ms. Rani Gudda
Coordinator



1. Rajarshi Shahu Mahavidyalaya Latur (Autonomous)
Department of Microbiology
Organized
One Day State Level Symposium on
Analytical Methods of Biological Practices

Attendance Sheet

Date.25/02/2025

Sr.NO	Name of Participant	Name of College	Department	Morning Session	Evening Session
2.	Sarole Pranav Vitthal	RSML(Autonomous)	Microbiology	<i>P.K.</i>	<i>P.K.</i>
3.	Patil Sanchit Rajendra	RSML(Autonomous)	Microbiology	<i>Sanchit</i>	<i>Sanchit</i>
4.	Pathan Sadiya Rasul	RSML(Autonomous)	Microbiology	<i>Sadiya</i>	<i>Sadiya</i>
5.	Modi Vaishnavi Basveshwar	RSML(Autonomous)	Microbiology	<i>Vaishnavi</i>	<i>Vaishnavi</i>
6.	Jagtap Sadichha Samadhan	RSML(Autonomous)	Microbiology	<i>Sadichha</i>	<i>Sadichha</i>
7.	Swami Aishwarya Sidheshwar	RSML(Autonomous)	Microbiology	<i>Aishwarya</i>	<i>Aishwarya</i>
8.	More Shamsundar Madhukar	RSML(Autonomous)	Microbiology	<i>Shamsundar</i>	<i>Shamsundar</i>
9.	Kavathe Shubham Anant	RSML(Autonomous)	Microbiology	<i>Shubham</i>	<i>Shubham</i>
10.	Dapke Sagar Narayan	RSML(Autonomous)	Microbiology	<i>Sagar</i>	<i>Sagar</i>
11.	Karde Arati Sanjay	RSML(Autonomous)	Microbiology	<i>Arati</i>	<i>Arati</i>
12.	Joshi Ambika Vyankat	RSML(Autonomous)	Microbiology	<i>Ambika</i>	<i>Ambika</i>
13.	Deshpande Sanskruti Anup	RSML(Autonomous)	Microbiology	<i>Sanskruti</i>	<i>Sanskruti</i>
14.	Gaikwad Pratiksha Madhukar	RSML(Autonomous)	Microbiology	<i>Pratiksha</i>	<i>Pratiksha</i>
15.	Kale Manisha Madhukar	RSML(Autonomous)	Microbiology	<i>Manisha</i>	<i>Manisha</i>
16.	Kamble Prerana Panditrao	RSML(Autonomous)	Microbiology	<i>Prerana</i>	<i>Prerana</i>
17.	Kendre Pooja Balaji	RSML(Autonomous)	Microbiology	<i>Pooja</i>	<i>Pooja</i>

		ous			
18.	Chate Omkesh Madhav	RSML(Autonom ous	Microbiology	<u>Omkesh</u>	<u>Omkesh</u>
19.	Shrikrishna Dnyanoba Chavan	RSML(Autonom ous	Microbiology	<u>Shrikrishna</u>	<u>Shrikrishna</u>
20.	Mathapati Amruta Ghalapa	RSML(Autonom ous	Microbiology	<u>Amruta</u>	<u>Amruta</u>
21.	Kanwate Shailesh Bhanudas	RSML(Autonom ous	Microbiology	<u>Shailesh</u>	<u>Shailesh</u>
22.	Swami Vishweshwar Vishwajit	RSML(Autonom ous	Microbiology	<u>Swami</u>	<u>Swami</u>
23.	Rangdal Sanjana Rajendra	RSML(Autonom ous	Microbiology	<u>Rangdal</u>	<u>Rangdal</u>
24.	Navtake Vishakha Santosh	RSML(Autonom ous	Microbiology	<u>Vishakha</u>	<u>Vishakha</u>
25.	Yadav Manjusha Vijaykumar	RSML(Autonom ous	Microbiology	<u>Manjusha</u>	<u>Manjusha</u>
26.	Kulkarni Maithili Satish	RSML(Autonom ous	Microbiology	<u>Kulkarni</u>	<u>Kulkarni</u>
27.	Yadav Namrata Chatrabhuj	RSML(Autonom ous	Microbiology	<u>Namrata</u>	<u>Namrata</u>
28.	Joshi Akanksha	RSML(Autonom ous	Microbiology	<u>Akanksha</u>	<u>Akanksha</u>
29.	Changlerkar Shravani Prakashrao	RSML(Autonom ous	Microbiology	<u>Shravani</u>	<u>Shravani</u>
30.	Lakhe Kranti Rajebhau	RSML(Autonom ous	Microbiology	<u>Kranti</u>	<u>Kranti</u>
31.	Dahiwade Sayali Baburao	RSML(Autonom ous	Microbiology	<u>Sayali</u>	<u>Sayali</u>
32.	Biradar Neha Vijay	RSML(Autonom ous	Microbiology	<u>Biradar</u>	<u>Biradar</u>
33.	Deshmukh Varsha Vaman	RSML(Autonom ous	Zoology	<u>Varsha</u>	<u>Varsha</u>
34.	Mane Sanchi Jagadish	RSML(Autonom ous	Zoology	<u>Sanchi</u>	<u>Sanchi</u>
35.	Shaikh Asma Amir	RSML(Autonom ous	Zoology	<u>Asma</u>	<u>Asma</u>
36.	Yadav Pratiksha Govind	RSML(Autonom ous	Microbiology	<u>Pratiksha</u>	<u>Pratiksha</u>
37.	Kadam Vaishnavi Vilas	RSML(Autonom ous	Microbiology	<u>Kadam</u>	<u>Kadam</u>
38.	Mashalkar Akanksha Rahul	RSML(Autonom ous	Microbiology	<u>Akanksha</u>	<u>Akanksha</u>
39.	Chebale Anuja Lakshman Laxman	RSML(Autonom ous	Microbiology	<u>Anuja</u>	<u>Anuja</u>

40.	Taak Kusum Deepak	RSML(Autonomous)	Microbiology	Amun	Amun
41.	Patel Farhan Abed	RSML(Autonomous)	Microbiology	Phd	Phd
42.	Swami Siddeshwar Vishvajeet Vishwajit	RSML(Autonomous)	Microbiology	Shi	Shi
43.	Kanchan Kalyan Samudre	RSML(Autonomous)	Microbiology	Pochu	Pochu
44.	Mane Shradha Eknath	RSML(Autonomous)	Microbiology	Shadha	Shadha
45.	Koparkar Gaurav Ganesh	RSML(Autonomous)	Microbiology	Garip	Garip
46.	Shailaja Anand Shinde	RSML(Autonomous)	Microbiology	Sonwane	Sonwane
47.	Sonwane Priti Raghunath	DSCL	Microbiology	Psonwane	Psonwane
48.	Arundhati Bapusaheb Deshmukh	RSML(Autonomous)	Microbiology	Arundhat	Arundhat
49.	Sanket Dnyanoba Bhodade	DSCL	Microbiology	Batet	
50.	Rushikesh Bapusaheb Kambale	DSCL	Microbiology	Bastil	
51.	Boyane Vidya prani Sampati	DSCL RSML	Microbiology	Bidy	Bidy
52.	Muskan Sattar Shaikh	DSCL	Microbiology	Muskan	Muskan
53.	Shradha Deshmukh	BAMU Sub.C	Microbiology	Shi	Shi
54.	Sakshi Shirish Zarkar	Dr. BAMU Sub. campus	Microbiology	Sakkar	Sakkar
55.	Shaikh Javeriya	RSML	Microbiology	Shi	Shi
56.	Mrudula Balaji Kapre	RSML(Autonomous)	Microbiology	Rmudula	Rmudula
57.	Ashlapute Ashlesha Girish	RSML(Auto)	Microbiology	Ashlesha	Ashlesha
58.	Bhandare Manorama	DSCL	Microbiology	Manorama	Manorama
59.	Pawar Shruti prahad	DSCL	Microbiology	Shruti	Shruti
60.	AKshata vitthalrao Kalwale	DSCL	Microbiology	AKshata	AKshata
61.	Aarti vitthalrao Kalwale	DSCL	Microbiology	Aarti	Aarti
62.	Patil vaishnavi Vasant	RSML(Auto)	Microbiology	Patil	Patil
63.	Tge Sakshi dayanand	RSML(Auto)	Microbiology	Sakshi	Sakshi
64.	Ponte Poala Balaji	RSML(Auto)	Microbiology	Ponte	Ponte
65.	Deshmukh Radha B.	RSML(Auto)	Microbiology	Radha	Radha
66.	Hafarabade pratiksha D.	RSML(Auto)	Microbiology	Pratiksha	Pratiksha
67.	Mare Rutuja Subhar	- II -	- II -	Rutuja	Rutuja
68.	Hannante Dhanshree P.	RSML	Botany	Hannante	Hannante
69.	Swarni Mayur M.	RSML	Botany	Swarni	Swarni
70.	Bhoomkar Shweta S.	RSML	Botany	Bhoomkar	Bhoomkar
71.	Sana Noor Ali Mauryar	RSML	Botany	Sana	Sana
72.	Maharaj Rutuja Anand	RSML	Microbiology	Maharaj	Maharaj

73.	Shaikh Sumaiya Rahim.	RSML	Microbiology	Sumaiya	
74.	Rutuja Sudhir Dorle	RSML	Microbiology	Rutuja	Rutuja
75.	Kalsodkar Radhika Govind	RSML	Microbiology	Radhika	Radhika
76.	Shraddha Vilas Sandur.	RSML	Microbiology	Shraddha	Shraddha
77.	Mulla Ayesha Naimuddin	RSML	Zoology	Ayesha	
78.	Pethan Azrakhan Attar	RSML	Zoology	Azrakhan	
79.	Shaik Afsha Tabinlan	RSML	Zoology	Afsha	
80.	Anuja Anil Patil	RSML	Biotechnology	Anuja	Anuja
81.	Divya Shrikrishna Thakur	RSML	Biotechnology	Divya	Divya
82.	Kousik Nisha Ankush	RSML	Biotechnology	Kousik	Kousik
83.	Hake Nikita Govind	RSML	Biotechnology	Nikita	Nikita
84.	Tenkale Nikita Ashok	RSML	Biotechnology	Nikita	Nikita
85.	Maze Nikita Nagnath	RSML	Biotechnology	Nikita	Nikita
86.	Halkude Mansi Pankaj	RSML	Biotechnology	Mansi	Mansi
87.	Sumase Smita Shivaji	RSML	Biotechnology	Smita	Smita
88.	Kiran Mahadev Ghule	RSML	Biotechnology	Kiran	Kiran
89.	Sneha Siddeshwar Bhosale	RSML	Biotechnology	Sneha	Sneha
90.	Bhosale Vishnu Suresh	RSML	Microbiology	Vishnu	Vishnu
91.	Gutle Jaywant Vijaynath	RSML	Microbiology	Jaywant	Jaywant
92.	Hanwate Abhishek	RSML	Microbiology	Abhishek	Abhishek
93.	Yadav Pankaj B.	RSML	Zoology	Pankaj	Pankaj
94.	Parth Milind Kulkarni	RSML	Biotechnology	Parth	Parth
95.	Jadhav Savabh Satish	RSML	Biotechnology	Satish	Satish
96.	Lakade Abhisheksanjiv	RSCL	Microbiology	Abhishek	Abhishek
97.	AKSHAR AGHAR	RSCL	Microbiology	Akshar	Akshar
98.	Bhuvan Sunil Sude	RSML	Microbiology	Bhuvan	Bhuvan
99.	Sitape Rajratan Ashok	RSML	Microbiology	Rajratan	Rajratan
100.	Sumeet Subhas Shinde	Dr.B.N.M.U.	Microbiology	Sumeet	Sumeet

sub-campus,
Dharashiv.

101. Abhishek Sudhakar Sunase RSML Biotechnology Abhishek Abhishek
102. Sopan Kishan Khote RSML Biotechnology Sopan Sopan
103. Malkude Omkar M. RSML Biotechnology Omkar Omkar
104. Naikwade Keshav Netaji RSML Biotechnology Keshav Keshav
105. ~~Patil Santosh Rajendra~~ RSML Microbiology ~~Santosh~~
105. Kalme mahesh Dhanraj RSML Microbiology (M.Sc.) Kalme Kalme
107. Aditya Dhananjay Jadhav RSML Biotechnology Aditya Aditya
108. Gaurav Ganesh Koparkar RSML Chemistry Gaurav Gaurav

