

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur**  
**Department of Microbiology & Biotechnology**  
**Session 2026-2027**  
**Organizes**  
**WORKSHOP**  
**On**  
**SDS-PAGE ELECTROPHORESIS**  
**Date:31/07/2026**



**Shri Shivaji Education Society  
Amravati's Science College, Nagpur**

Accredited with CGPA of 3.38 at 'A+' Grade by NAAC, Bangalore,  
A College With Potential for Excellence,  
An Institutional Member of APQN,  
Recognized Centre for Higher Learning & Research,  
A Mentor College Under PARAMARSH Scheme, UGC New Delhi,  
A Mentor College Under Paris Sparsh Scheme of Maharashtra State ,  
An- ISO 21001 : 2018 Certified Institution, NIRF Rank band 151-200

**Department of Microbiology & Biotechnology**  
**Organizes**  
**WORKSHOP**  
**ON**  
**SDS-PAGE ELECTROPHORESIS**  
**By**  
**Praful Saha**  
**Product Specialist**  
**HiMedia Labs.,Pvt. Ltd.,Mumbai**

Venue: Biotechnology Lab      Date: 31 July 2026      Time: 10 am onwards

**Dr. Pranita Gulhane**  
Convener

**Dr. Atul Bobdey**  
Co-Ordinator

**Dr. Omraj Deshmukh**  
Principal

*Organizing Committee*

Ms. Sanchari Sarkar  
Ms. Ankita Manapure  
Ms. Hitakshi Bisen  
Mrs. Monica Wankhede

Ms. Nupur Deshmukh  
Ms. Anjali Pogade  
Dr. Manasi Borkar  
Ms. Janhavi Burade

Ms. Mayuri Bhad  
Ms. Priya Gaidhane  
Dr. Pallavi Butle  
Ms. Tania Shukla

The Department of Microbiology & Biotechnology, Shri Shivaji Education Society Amravati's Science College, Nagpur, successfully organized a Workshop on "SDS-PAGE Electrophoresis" on 31st July 2026 in the Biotechnology Laboratory. The workshop was conducted to provide students with comprehensive theoretical knowledge and practical exposure to Sodium Dodecyl Sulphate–Polyacrylamide Gel Electrophoresis (SDS-PAGE), one of the most widely used techniques for protein separation and molecular weight determination.

The workshop was organized under the guidance of Dr. Omraj Deshmukh, Principal, with Dr. Pranita Gulhane as Convener and Dr. Atul Bobdey as Co-ordinator. The resource person for the workshop was Mr. Praful Saha, Product Specialist, HiMedia Laboratories Pvt. Ltd., Mumbai, who delivered an informative and interactive technical session.

Mr. Praful Saha explained the basic principles of SDS-PAGE, including protein denaturation by SDS, the preparation of resolving and stacking gels, sample preparation, electrophoretic separation, staining and destaining procedures, and interpretation of protein banding patterns. He also highlighted the importance of SDS-PAGE in biotechnology, molecular biology, microbiology, clinical diagnostics, pharmaceutical industries, and research laboratories.

The practical demonstration covered the preparation of polyacrylamide gels, loading of protein samples, operation of the electrophoresis unit, visualization of separated proteins, and analysis of results. Students actively participated throughout the hands-on session and interacted with the resource person by discussing laboratory troubleshooting techniques, safety precautions, and modern applications of protein electrophoresis.

The workshop significantly enhanced the technical skills of undergraduate and postgraduate students by providing them with practical training on advanced laboratory instrumentation. The session bridged the gap between theoretical concepts and laboratory applications, encouraging students to develop research-oriented skills and confidence in handling protein analysis techniques.

## Action Taken:

The workshop successfully strengthened students' understanding of SDS-PAGE Electrophoresis and its applications in biological sciences. Participants gained valuable hands-on experience in protein separation techniques and became familiar with modern laboratory practices. The workshop inspired students to pursue advanced research in molecular biology and biotechnology while enhancing their laboratory competency and analytical skills. The program concluded with an interactive question-and-answer session followed by a vote of thanks to the resource person for sharing his expertise.





Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Microbiology & Biotechnology  
Session 2026-2027  
organizes  
Workshop on "SDS-PAGE Electrophoresis"

Attendance Sheet

Date- 31/07/2026

| Sr. No. | Name of Student        | Class                         | Signature                     |
|---------|------------------------|-------------------------------|-------------------------------|
| 1.      | Prachi Raut            | 3 <sup>rd</sup> year Biotech  | <i>Prachi Raut</i>            |
| 2.      | Pooja Fulzele          | 3 <sup>rd</sup> year Biotech  | <i>Fulzele</i>                |
| 3.      | Simran Kaur Bawa       | 3 <sup>rd</sup> year Biotech  | <i>dkaur</i>                  |
| 4.      | Gargi Ganonkar         | 3 <sup>rd</sup> year Biotech  | <i>Gargi</i>                  |
| 5.      | Sanya Ranteke          | 3 <sup>rd</sup> year Biotech  | <i>Ranteke</i>                |
| 6.      | Priya Kawale           | 3 <sup>rd</sup> year Biotech  | <i>Priyankawale</i>           |
| 7.      | Varshika V. Nandeshwar | 3 <sup>rd</sup> year Biotech  | <i>Varshika V. Nandeshwar</i> |
| 8.      | Kartik S. Bankar       | 2 <sup>nd</sup> year micro    | <i>Kartik</i>                 |
| 9.      | Harshal Landge         | 2 <sup>nd</sup> year micro    | <i>Harshal</i>                |
| 10.     | Pranoti Khawase        | 2 <sup>nd</sup> year biotech  | <i>P. Khawase</i>             |
| 11.     | Dhanashri Waghmare     | — 11 —                        | <i>Dhanashri Waghmare</i>     |
| 12.     | Tanushree Pillay       | 2 <sup>nd</sup> year biotech  | <i>Tanushree</i>              |
| 13.     | Deepam Vadga           | 3 <sup>rd</sup> year biotech  | <i>Deepam</i>                 |
| 14.     | Shivam Shahu           | 2 <sup>nd</sup> year biotech  | <i>Shivam</i>                 |
| 15.     | B. Harshvardhan        | 2 <sup>nd</sup> year biotech  | <i>B. Harshvardhan</i>        |
| 16.     | Jaini Meshram          | 3 <sup>rd</sup> year biotech  | <i>Jaini</i>                  |
| 17.     | Gauri Balapure         | 3 <sup>rd</sup> year Biotech  | <i>G. G. Balapure</i>         |
| 18.     | Samidha. Nagdeve.      | 3 <sup>rd</sup> year Biotech. | <i>S. Nagdeve</i>             |

|     |                                        |                                   |                      |
|-----|----------------------------------------|-----------------------------------|----------------------|
| 19. | Poonam Bhakne                          | Msc. 2nd year<br>Microbiology     | <u>P. Bhakne</u>     |
| 20. | <del>Dhanashree</del> Dhanashree Datal | [Msc 2nd year<br>Micro]           | <u>Dhanashree</u>    |
| 21. | Mansi R. Meshram                       | BSc. 2nd yr.<br>[Biotech]         | <u>M. Meshram</u>    |
| 22. | Vaidehi Mohadikar                      | BSc. 2nd yr<br>[Biotech]          | <u>Vaidehi</u>       |
| 23. | Riya Kaste                             | BSc. 2nd yr<br>[Biotech]          | <u>Riya</u>          |
| 24. | Mrunali Bodele                         | BSc. 2nd yr<br>[Biotech]          | <u>Mrunali</u>       |
| 25. | Himani Jadhav                          | BSc. 2nd yr<br>[Biotech]          | <u>Himani</u>        |
| 26. | Bhavika Janbandhu.                     | BSc. II (Bt.)                     | <u>Bhavika</u>       |
| 27. | Manvi Tagade                           | BSc. II (Bt)                      | <u>Manvi</u>         |
| 28. | Saloni Gupta                           | BSc. II (Bt)                      | <u>Saloni</u>        |
| 29. | Vidya Chauhan                          | BSc. II (Bt.)                     | <u>Vidya</u>         |
| 30. | Priya Jadhav                           | B.Sc 3rd yr<br>[Microbiology]     | <u>P. S. Jadhav</u>  |
| 31. | Dhanashree Chauhan                     | B.Sc 3rd yr<br>[Micro]            | <u>Dhanashree</u>    |
| 32. | Vidhi Jaiswal                          | B.Sc 2nd year<br>(Micro)          | <u>V. Jaiswal</u>    |
| 33. | Amitesh Pal                            | B.Sc 2nd year<br>(Micro)          | <u>Amitesh</u>       |
| 34. | Gayatri Kumbharwar                     | B.Sc 3rd year<br>(Micro)          | <u>G. Kumbharwar</u> |
| 35. | Jahnavi Choudhary                      | B.Sc 3rd yr<br>(Micro)            | <u>Jahnavi</u>       |
| 36. | Nidhi Tiwari                           | B.Sc 3rd yr<br>(Micro)            | <u>Nidhi</u>         |
| 37. | Rutika Barde                           | B.Sc 3rd yr<br>(Micro)            | <u>Rutika</u>        |
| 38. | Sneha Shahu                            | B.Sc 3rd yr<br>(Micro)            | <u>Sneha</u>         |
| 39. | Mahi Kawle                             | B.Sc 3rd yr<br>(Micro)            | <u>Mahi</u>          |
| 40. | Kajal Tiwari                           | BSc (second year)<br>microbiology | <u>Kajal</u>         |
| 41. | Shravan Gopawar                        | BSc. 2nd year<br>microbiology     | <u>Shravan</u>       |
| 42. | Jidnyasa Viskulkar                     | B.Sc 2nd year<br>microbiology     | <u>Jidnyasa</u>      |
| 43. | Samiksha Dhote                         | B.S.c 2nd year<br>microbiology    | <u>Samiksha</u>      |
| 44. | Tisha Mate                             | B.S.C 2nd year<br>microbiology    | <u>Tisha</u>         |
| 45. | Yamini Grawande.                       | BSc 2nd year<br>Microbiology      | <u>Yamini</u>        |
| 46. | Sakshi More                            | BSc 2nd year<br>microbiology      | <u>Sakshi</u>        |

|     |                      |                                     |              |
|-----|----------------------|-------------------------------------|--------------|
| 47. | Mantasha Kausar      | M.Sc II <sup>nd</sup> yr micro      | M. Kausar    |
| 48. | Bhumika Jagat Havel  | M.Sc II <sup>nd</sup> yr micro      | B. Havel     |
| 49. | Alisha Dongre        | M.Sc II <sup>nd</sup> year          | A. Dongre    |
| 50. | Pranoti Chikate      | M.Sc. II <sup>nd</sup> year         | P.N. Chikate |
| 51. | Pranali Zadhavde     | M.Sc. II <sup>nd</sup> year         | Pranali.     |
| 52. | Abhishek Dudhalkar   | M.Sc. II <sup>nd</sup> year         | A. Dudhalkar |
| 53. | Prerna R. Khade      | M.Sc II <sup>nd</sup> year          | P. Khade     |
| 54. | Mrudula P. Pathade   | M.Sc II <sup>nd</sup> year          | M. Pathade   |
| 55. | Neha H. Bawisane     | M.Sc II <sup>nd</sup> year          | N. Bawisane  |
| 56. | Surbhi N. Khamdar    | M.Sc II <sup>nd</sup> year          | S. Khamdar   |
| 57. | Ayushi S. Haste      | M.Sc II <sup>nd</sup> year          | A. Haste     |
| 58. | Prerana R. Khade     | M.Sc II <sup>nd</sup> year          | P. Khade     |
| 59. | Sachi Barade         | B.Sc II <sup>nd</sup> yr (Biotech)  | S. Barade    |
| 60. | Asmita Gaur          | B.Sc II <sup>nd</sup> yr (Biotech)  | A. Gaur      |
| 61. | Vaidhi Dahule        | B.Sc II <sup>nd</sup> yr (Biotech)  | V. Dahule    |
| 62. | Rutuja R. Bolwarkar  | B.Sc II <sup>nd</sup> yr (Biotech)  | R. Bolwarkar |
| 63. | Mrunmayi. Jyodadhe   | B.Sc II <sup>nd</sup> yr (Biotech)  | M. Jyodadhe  |
| 64. | Palak R. Dudhbade    | B.Sc II <sup>nd</sup> yr (Biotech)  | P. Palak     |
| 65. | Purnva Bawekar       | B.Sc III <sup>rd</sup> yr (Biotech) | P. Bawekar   |
| 66. | Sandhya Singh        | B.Sc III <sup>rd</sup> yr (Biotech) | S. Singh     |
| 67. | Shravani Dhamik      | B.Sc III <sup>rd</sup> yr (Biotech) | S. Dhamik    |
| 68. | Pratiksha A. Par dhi | M.Sc II <sup>nd</sup> yr (Micro)    | P. Par dhi   |
| 69. | Shraddha S. Nanhe    | M.Sc II <sup>nd</sup> yr (Micro)    | S. Nanhe     |
| 70. | Neetu A. Shukla      | M.Sc II <sup>nd</sup> yr (Micro)    | N. Shukla    |
| 71. | Prachi A. Thakur     | M.Sc II <sup>nd</sup> yr (Micro)    | P. Thakur    |
| 72. | Uishakha V. Gawande  | M.Sc II <sup>nd</sup> yr (Micro)    | U. Gawande   |
| 73. | Kashish Patel        | B.Sc III <sup>rd</sup> yr (Biotech) | K. Patel     |
| 74. | Karehili Kamblade    | B.Sc III <sup>rd</sup> yr (Biotech) | K. Kamblade  |

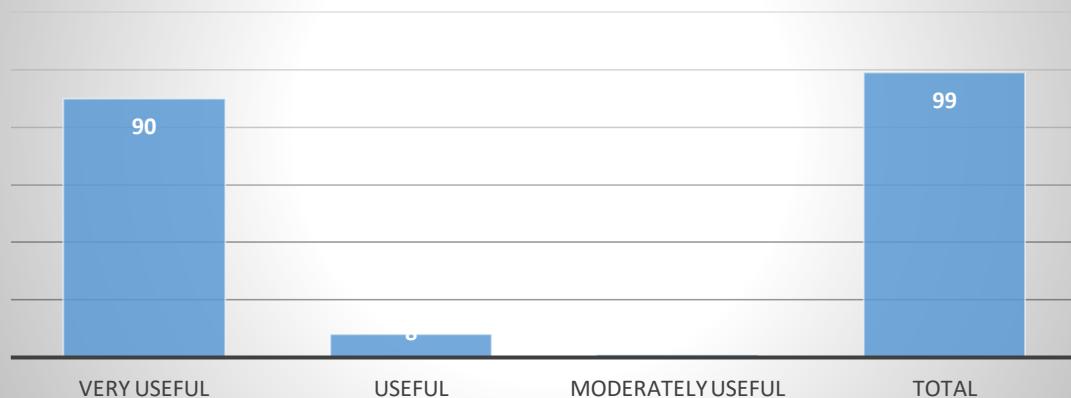
|      |                     |                                      |                      |
|------|---------------------|--------------------------------------|----------------------|
| 75.  | Sanskriti Motghare  | Bsc III <sup>rd</sup> year [Biotech] | <del>Sanskriti</del> |
| 76.  | Vaidehi welankiwar  | BSC III <sup>rd</sup> yr (Biotech)   | Vaidehi              |
| 77.  | Ojaswi shahare      | B-sc III <sup>rd</sup> yr [Biotech]  | Ojaswi               |
| 78.  | Mohini M. Koushle   | BSC III yr [Biotech]                 | Mohini               |
| 79.  | Shreya Bhoangde     | BSC II yr [Biotech]                  | Shreya               |
| 80.  | Sakshams. Wankar    | BSC II yr Biotech                    | Sakshams             |
| 81.  | Madhugi Dhurve      | BSC II yr Biotech                    | Madhugi              |
| 82.  | Snehal P Datto      | BSC II yr Biotech                    | Snehal               |
| 83.  | Tanvi A Gadade      | BSC II yr Biotech                    | Tanvi                |
| 84.  | phalguni S. more    | BSC III <sup>rd</sup> yr Biotech     | Phalguni             |
| 85.  | Neha. P. Ashikar    | BSC III <sup>rd</sup> yr Biotech     | Neha                 |
| 86.  | Saloni S. Patle     | BSC III yr Biotech                   | Saloni               |
| 87.  | Sudaine Raparetiwar | BSC III yr Biotech                   | Sudaine              |
| 88.  | Mumali kadu         | BSC III <sup>rd</sup> yr Biotech     | Mumali               |
| 89.  | Sheetal marepalli   | BSC III <sup>rd</sup> yr Biotech     | Sheetal              |
| 90.  | Ghailesh Kuthe      | BSC II <sup>nd</sup> yr biotech      | Ghailesh             |
| 91.  | Medha. S. Palliwar  | BSC III <sup>rd</sup> yr Biot        | Medha                |
| 92.  | Shagun Singh        | BSC III <sup>rd</sup> yr biotech     | Shagun               |
| 93.  | khushi Jha          | BSC III <sup>rd</sup> yr biotech     | Khushi               |
| 94.  | Aalsha Tupkar       | BSC III <sup>rd</sup> yr biotech     | Aalsha               |
| 95.  | Janhavi Dharpure    | BSC - III yr Biotech                 | Janhavi              |
| 96.  | KRITIKA SINGH       | BSC - III year BIOTECH               | Kritika              |
| 97.  | Ruzain Nawaz        | BSC - III yr Biotech                 | Ruzain               |
| 98.  | Aditya Ludhiyani    | BSC - III yr Biotech                 | Aditya               |
| 99.  | Dhanashree Khadse   | BSC - II yr Micro                    | Dhanashree           |
| 100. |                     |                                      |                      |
| 101. |                     |                                      |                      |
| 102. |                     |                                      |                      |

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur**  
**Department of Microbiology & Biotechnology**  
**Session 2026-2027**  
**Organizes**  
**WORKSHOP**  
**On**  
**SDS-PAGE ELECTROPHORESIS**  
**Date:31/07/2026**  
**FEEDBACK FORM**

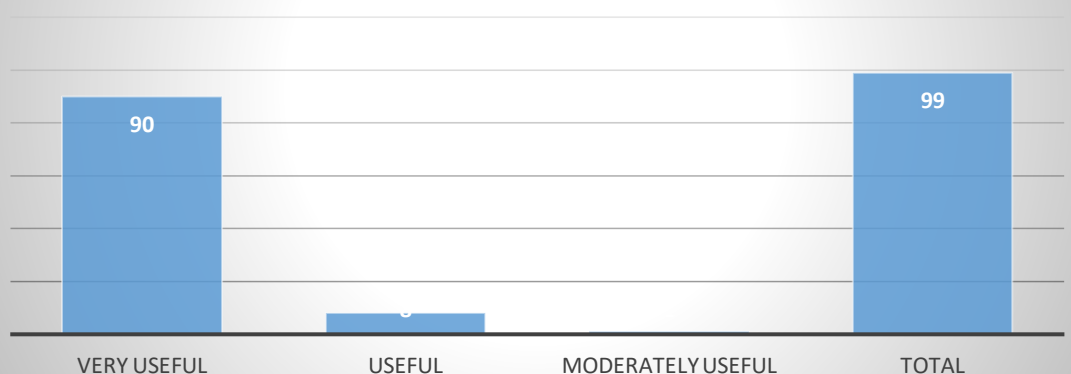
1. How would you rate the overall quality of the SDS-PAGE workshop?
  - Excellent
  - Good
  - Satisfactory
2. How useful was the practical demonstration of SDS-PAGE?
  - Very Useful
  - Useful
  - Moderately Useful
3. Was the resource person able to explain the concepts clearly?
  - Excellent
  - Good
  - Satisfactory
4. Did the workshop improve your understanding of protein electrophoresis?
  - Yes
  - No
5. Would you like to attend more hands-on Molecular Biology workshops in the future?
  - Yes
  - No

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur**  
**Department of Microbiology & Biotechnology**  
**Session 2026-2027**  
**Organizes**  
**WORKSHOP**  
**On**  
**SDS-PAGE ELECTROPHORESIS**  
**Date:31/07/2026**  
**FEEDBACK FORM**

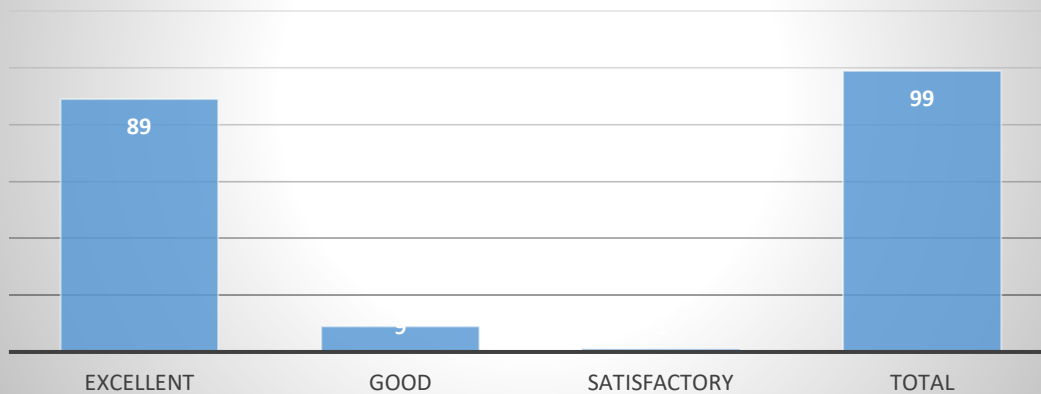
**1.How would you rate the overall quality of the SDS-PAGE workshop?**



**2.HOW USEFUL WAS THE PRACTICAL DEMONSTRATION OF SDS-PAGE?**



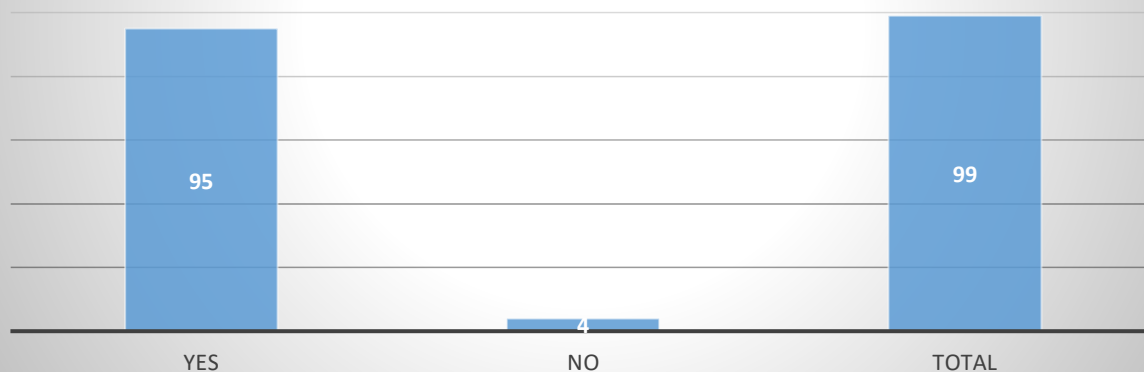
### 3. WAS THE RESOURCE PERSON ABLE TO EXPLAIN THE CONCEPTS CLEARLY?



### 4. Did the workshop improve your understanding of protein electrophoresis?



## 5. WOULD YOU LIKE TO ATTEND MORE HANDS-ON MOLECULAR BIOLOGY WORKSHOPS IN THE FUTURE?



**Dr. Pranita Gulhane**  
Department of Biotechnology

**Dr. Amitabh Halder**  
IQAC Coordinator  
Internal Quality Assurance Cell  
(IQAC)  
S. S. E. S. A. Science College  
Congress Nagar, Nagpur.

**IQAC Coordinator**

**Dr. Omraj S. Deshmukh**

**Principal**  
**S. S. E. S. Amravati's**  
**Science College, Nagpur.**

**Principal**