



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

**Sri Venkateswara College**

(University of Delhi)

NAAC Grade A+

**SRI VENKATESWARA  
COLLEGE  
(UNIVERSITY OF DELHI)**

**EVENT REPORT**

|                                                                                                  |                                                                                                                                                                      |                                                                                           |                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME OF THE EVENT:</b> Three-Day Hands-on Workshop on “Tools and Techniques in Biotechnology” |                                                                                                                                                                      |                                                                                           |                                                                                                                                                                           |
| <b>DATE:</b><br>19–21 January 2026                                                               | <b>DEPARTMENT:</b><br>Department of Botany                                                                                                                           | <b>COMMITTEE/SOCIETY:</b><br>Involucre, Botanical Society                                 | <b>COORDINATOR'S NAME</b><br><br>Dr. Sunita Yadav<br>(Convener & Teacher-in-Charge)<br><br>Dr. Aditi Kothari Chhajer (Co-Convener)<br><br>Dr. Shweta Sharma (Co-Convener) |
| <b>TIME:</b><br>10:00 AM – 4:30 PM (All three days)                                              | <b>VENUE:</b><br>Botany New Laboratory (Practical Sessions)<br><br>Room 57 old science block (Inaugural lecture)<br><br>Seminar Hall, DD Block (Valedictory Session) | <b>NUMBER OF PARTICIPANTS:</b><br><br>A total of 29 students participated in the workshop | <b>NATURE:</b><br>Indoor; Offline; Hands-on Training Workshop                                                                                                             |
| <b>FINANCIAL SUPPORT/ASSISTANCE (if any):</b>                                                    |                                                                                                                                                                      |                                                                                           |                                                                                                                                                                           |

### **BRIEF INFORMATION ABOUT THE ACTIVITY**

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TOPIC/SUBJECT OF THE ACTIVITY</b> | The workshop covered key biotechnological tools and techniques, including microbiomics, genomics, recombinant DNA technology, bacterial transformation, and protein expression/purification. It emphasized core experimental methodologies fundamental to modern biological research and biotechnology applications.                                                                                                                                                                                                             |
| <b>OBJECTIVES</b>                    | <ul style="list-style-type: none"><li>• To provide hands-on training in fundamental and advanced biotechnological techniques</li><li>• To bridge theory with practice through direct experimental work</li><li>• To introduce good laboratory practices and biosafety norms</li><li>• To develop troubleshooting and problem-solving skills</li><li>• To enhance analytical thinking and technical competence</li><li>• To encourage pursuit of higher studies and research careers in biotechnology and life sciences</li></ul> |

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>METHODOLOGY</p>                                         | <p><b>Day 1: Microbiology &amp; Microbiomics</b></p> <ul style="list-style-type: none"> <li>• Inaugural session and keynote by Dr. Sanjay Kumar Dey</li> <li>• Training in lab safety, GLP, media preparation, bacterial isolation, CFU estimation, and microbial growth observation</li> </ul> <p><b>Day 2: Genomics &amp; Recombinant DNA Technology</b></p> <ul style="list-style-type: none"> <li>• Hands-on sessions on plasmid DNA isolation, PCR, agarose gel electrophoresis, and bacterial transformation</li> <li>• Introduction to recombinant DNA technology and cloning workflows</li> </ul> <p><b>Day 3: Protein Expression &amp; Analysis</b></p> <ul style="list-style-type: none"> <li>• Demonstration of protein expression, Ni-NTA affinity chromatography, and SDS-PAGE</li> <li>• Sessions on data analysis, troubleshooting, and valedictory lecture by Prof. R. N. K. Bamezai on mitochondrial–nuclear crosstalk and scientific perseverance</li> </ul> |
| <p>INVITED SPEAKERS WITH AFFILIATION DETAILS ( IF ANY)</p> | <ol style="list-style-type: none"> <li>1. The inaugural keynote address was delivered by Dr. Sanjay Kumar Dey, Assistant Professor at the B. R. Ambedkar Centre for Biomedical Research, University of Delhi.</li> <li>2. The valedictory session was graced by Padma Shri Prof. R. N. K. Bamezai, former Professor and Dean at Jawaharlal Nehru University and former Vice-Chancellor of SMVDU, Katra.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p>OUTCOMES</p>                                            | <ul style="list-style-type: none"> <li>• Enhanced practical skills through hands-on biotechnological techniques</li> <li>• Improved understanding of experimental workflows and data analysis</li> <li>• Developed troubleshooting abilities in lab settings</li> <li>• Increased confidence in handling equipment and executing protocols</li> <li>• Strengthened awareness of research ethics and lab safety</li> <li>• Encouraged interdisciplinary learning</li> <li>• Contributed to skill development and capacity building</li> <li>• Motivated students toward research careers in biotechnology and life sciences</li> </ul>                                                                                                                                                                                                                                                                                                                                          |

**PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):**

|                                                |                                                           |                               |                                  |                                                      |
|------------------------------------------------|-----------------------------------------------------------|-------------------------------|----------------------------------|------------------------------------------------------|
| <b>1</b><br><b>Notice &amp; Letters</b><br>- ■ | <b>2</b><br><b>Number &amp; Name of participants</b><br>■ | <b>3</b><br><b>Video clip</b> | <b>4</b><br><b>Photos</b><br>- ■ | <b>5</b><br><b>Feedback Form &amp; analysis</b><br>- |
|------------------------------------------------|-----------------------------------------------------------|-------------------------------|----------------------------------|------------------------------------------------------|

|                                           |                                                        |                                          |                                                                                    |                                        |
|-------------------------------------------|--------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------|
| <b>6</b><br><b>News clip with details</b> | <b>7</b><br><b>Sample Copy of the Certificate</b><br>■ | <b>8</b><br><b>Posters/ Invites</b><br>■ | <b>9</b><br><b>Event report Attested by Event Coordinator and IQAC Coordinator</b> | <b>10</b><br><b>Any other Document</b> |
|-------------------------------------------|--------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------|

|                                                                                  |                         |
|----------------------------------------------------------------------------------|-------------------------|
| <b>IQAC file No:</b><br>SVC/IQAC/Department of Botany/2025-26/January 2026       | <b>Criterion No: IV</b> |
| <b>Departmental file no:</b><br>SVC/Department of Botany/2025-26/January 2026/01 |                         |

|                                                         |                                                |
|---------------------------------------------------------|------------------------------------------------|
| <b>NAME OF HEAD/ COMMITTEE INCHARGE &amp; SIGNATURE</b> | <b>IQAC COORDINATOR (SEAL &amp; SIGNATURE)</b> |
| <b>Dr. Sunita Yadav</b>                                 |                                                |

**For Reference**

|              |                                                |              |                               |
|--------------|------------------------------------------------|--------------|-------------------------------|
| Criterion I  | Curricular Aspects (planning & Implementation) | Criterion V  | Student Support & Progression |
| Criterion II | Teaching Learning & Evaluation                 | Criterion VI | Governance                    |

|               |                                       |               |                                       |
|---------------|---------------------------------------|---------------|---------------------------------------|
| Criterion III | Research, Innovations & Extension     | Criterion VII | Institutional Values & Best Practices |
| Criterion IV  | Learning Resources and Infrastructure |               |                                       |

## Report

The Department of Botany, Sri Venkateswara College, in collaboration with Jamia Millia Islamia, organized a three-day hands-on workshop titled “*Tools and Techniques in Biotechnology*” from 19th to 21st January 2026. The workshop aimed to provide practical exposure to important biotechnological techniques used in modern biological research.

The program included lectures, demonstrations, and laboratory training sessions on microbiomics, genomics, recombinant DNA technology, bacterial transformation, and protein expression and purification. Participants were also introduced to laboratory safety practices, biosafety norms, and troubleshooting skills.

The inaugural keynote lecture was delivered by Dr. Sanjay Kumar Dey, while the valedictory lecture was delivered by Prof. R. N. K. Bamezai.

Day 1 focused on microbiology and microbiomics, including bacterial isolation, CFU estimation, and media preparation. Day 2 covered plasmid DNA isolation, PCR, agarose gel electrophoresis, and bacterial transformation. Day 3 focused on protein expression, purification using Ni-NTA affinity chromatography, SDS-PAGE analysis, and data interpretation.

The workshop successfully enhanced students’ practical skills, technical competence, and understanding of experimental workflows. It also encouraged analytical thinking and motivated participants toward higher studies and research careers in biotechnology and life sciences.

# Event Permission Letter


 Trimata Tirupati Devasthanams  
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**PERMISSION FOR ORGANIZATION OF EVENTS**

NOTE: 1. Please ensure a pre booking of the venue before getting the permission letter signed.  
 2. A copy of this duly filled form signed by the TIC/ Convener, IQAC Coordinator and Principal shall be submitted to ICT and/or Caretaker for necessary action.  
 3. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.

**EVENT DETAILS**

- Name of the Department/Society/Association: BOTANY
- Name of the TIC and/or Convenor: Prof./Dr./Mr./Ms. SUNITA YADAV
- Proposed Title of the Event: 3-day hands-on workshop on "TOOLS & TECHNIQUES IN BIOTECHNOLOGY"
- Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/ Skill enhancement/others (Please specify) Workshop
- Participants: Student-centric /Faculty/ Other stakeholders (Please specify) ✓
- Event Type: Offline/Online/Hybrid; ✓ Indoor/Outdoor ✓
- Collaborating Agency /Organization (If any): -
- Tentative List of Speakers with affiliations: Dr. Sanjay K. Dey  
Asst. Professor, Biomedical Sciences  
Dr. B.R. Ambedkar Center for Biomedical Research  
University of Delhi
- Date & Time (from – to): 19th – 21st January, 2020
- Financial Assistance/ Funding received (if any) (Please specify amount): No

11. Proposed Budget (please attach details in a separate enclosure): ...attached \* .....

12. Faculty responsible for Geo Tagged Pictures ...Dr. Chweta Sharma .....

13. Faculty responsible for Event Report ...Dr. Aditi Chhajja .....

14. ICT support required, if any (ICT Lab, Laptop, LCD projector)

15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) Lamp, Placards, mike systems

16. Venue requirement (Seminar hall/ Ground/others) ...Botany GL for 20<sup>th</sup> and 21<sup>st</sup> Jan. 2026.  
Room No. 57 (for inaugural on 19<sup>th</sup> Jan, 2026. 9-12 am).  
Alternate room is Botany GL

Gadav  
TIC/Convenor

Date: 6<sup>th</sup> January 2026

Ravindra Upadhyay  
12/01/26

For official purpose

Comments (If any)

Department of event:-

[Signature]  
IQAC Coordinator

Date: 11/1/26

[Signature]  
Principal

Date: 12/1/26

# Attendance sheets

Inaugural Session  
(Attendance).


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ATTENDANCE SHEET

TITLE OF THE EVENT:

DATE OF THE EVENT:

NAME OF THE DEPARTMENT/ SOCIETY:

NAME OF THE EVENT COORDINATOR:

| S.NO. | NAME OF THE STUDENT | ROLL NO. OF THE STUDENT | COURSE AND YEAR      | SIGNATURE        |
|-------|---------------------|-------------------------|----------------------|------------------|
| 1     | M. JAYESH           | 1125187                 | Life Sciences Sem II | Jayesh           |
| 2     | Adithi C.K.         | 1125194                 | " "                  | Adithi           |
| 3     | Tanisha             | 1125200                 | " "                  | Tanisha          |
| 4     | Ha. Mona            | 1125166                 | " "                  | Mona             |
| 5     | Naimely Bhow        | 1125190                 | Life Sciences Sem II | Naimely          |
| 6     | Kashish Kumari      | 1125197                 | " "                  | Kashish          |
| 7     | Anshika Jain        | 1125172                 | " "                  | Anshika          |
| 8     | Rashika             | 1125175                 | " "                  | Rashika          |
| 9     | Kashish             | 1424049                 | Botany Sem IV        | Kashish          |
| 10    | Gurjan Verma        | 1424041                 | Botany Sem IV        | Gurjan           |
| 11    | Shruti Yadav        | 1424011                 | Botany Sem IV        | Shruti           |
| 12    | Aash Anand          | 1424036                 | Botany Sem IV        | Aash             |
| 13    | Shweta Maurya       | 1424004                 | Botany (H) Sem IV    | Shweta           |
| 14    | Siya Chandra        | 1424006                 | Botany (H) Sem IV    | Siya             |
| 15    | Namrata             | 1424019                 | Botany (H) Sem IV    | Namrata          |
| 16    | Kashish Meher       | 1424016                 | " "                  | Kashish          |
| 17    | Neha                | 1424002                 | " "                  | Neha             |
| 18    | Dhruv               | 1424025                 | " "                  | Dhruv            |
| 19    | Anushka             | 1125178                 | Life Sciences Sem II | Anushka          |
| 20    | Dhya Sankhel        | 1125209                 | Life Science Sem II  | Dhya Sankhel     |
| 21    | ALSHANI SINGH       | 1425001                 | B.Sc (H) Botany      | Alshani          |
| 22    | RAJNA MAUK          | 1425060                 | B.Sc (H) Botany      | Rajna            |
| 23    | SHINY DUTTA         | 1425018                 | B.Sc (H) Botany      | Shiny            |
| 24    | Divya Saini         | 1324048                 | B.Sc (H) Botany      | Divya            |
| 25    | Ujjwal Verma        | 1324060                 | B.Sc (H) Botany      | Ujjwal           |
| 26    | Deepika Ray         | 1324004                 | B.Sc (H) Botany      | Deepika          |
| 27    | Rishi               | 1324009                 | B.Sc (H) Botany      | Rishi            |
| 28    | Divyansha Sarda     | 1324033                 | B.Sc (H) Botany      | Divyansha        |
| 29    | Deepanshu Vashya    | 1324003                 | " "                  | Deepanshu        |
| 30    | Kanika              | 1324070                 | B.Sc (H) Botany      | Kanika           |
| 31    | Anisha              | 1424015                 | B.Sc (H) Botany      | Anisha           |
| 32    | Bhawana             | 1424031                 | B.Sc (H) Botany      | Bhawana          |
| 33    | Nakita              | 1424013                 | B.Sc (H) Botany      | Nakita           |
| 34    | Kamakhya            | 1424012                 | B.Sc (H) Botany      | Kamakhya         |
| 35    | Sudhanshu           | 1125180                 | B.Sc (H) Botany      | Sudhanshu        |
| 36    | Aashir Pandey       | 1425057                 | B.Sc Botany (H)      | Aashir [2nd] sem |
| 37    | Ali Akbar           | 1425031                 | B.Sc Botany (H)      | Ali [2nd] sem    |
| 38    | Bharat              | 1425013                 | BSC Botany (H)       | Bharat [2nd sem] |



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| S.NO. | NAME OF THE STUDENT | ROLL NO. OF THE STUDENT | COURSE AND YEAR  | SIGNATURE  |
|-------|---------------------|-------------------------|------------------|------------|
| 1.    | Shivam Poonia       | 1424014                 | Botany Hons IInd | Shivam     |
| 2.    | Paramveer Singh     | 1424001                 | Botany Hons IInd | Paramveer  |
| 3.    | Tushan              | 1424008                 | Botany Hons IInd | Tushan     |
| 4.    | Kunwar Jee          | 1125191                 | Life Science I   | Kunwar Jee |
| 5.    | Shreyash Choudhan   | 1125208                 | Botany (Hons) I  | Shreyash   |
| 6.    | Nikhil              | 1425058                 | Botany (Hons) I  | Nikhil     |
| 7.    | Abhishek Kumar      | 1125170                 | Life Science I   | Abhishek   |
| 8.    | Tushan Soti         | 1125211                 | Life Science I   | Tushan     |
| 9.    | Utsavist Aman       | 1125177                 | Life Science I   | Utsavist   |
| 10.   | Rishika Gupta       | 1425032                 | Botany (Hons) I  | Rishika    |
| 11.   | Rohan Kumar         | 1425025                 | Botany (Hons) I  | Rohan      |
| 12.   | Muskan Singh        | 1425009                 | Botany (Hons) I  | Muskan     |
| 13.   | Kajal Yadav         | 1425065                 | Botany (Hons) I  | Kajal      |
| 14.   | Lovish              | 1425038                 | Botany (Hons) I  | Lovish     |
| 15.   | Aditya Kumar Dew    | 1425077                 | Botany (Hons) I  | Aditya     |
| 16.   | Ayush Yadav         | 1425015                 | Botany (Hons) I  | Ayush      |
| 17.   | Sweetie Kumari      | 1425050                 | Botany (Hons) I  | Sweetie    |
| 18.   | Rajvardani Kumari   | 1425064                 | Botany (Hons) I  | Rajvardani |
| 19.   | Vansha Singh        | 1425046                 | Botany (Hons) I  | Vansha     |
| 20.   | Nainika Priya       | 1425048                 | Botany (Hons) I  | Nainika    |
| 21.   | Nancy Yadav         | 1425063                 | Botany (Hons) I  | Nancy      |
| 22.   | Nikhil Kumar        | 1425066                 | Botany (Hons) I  | Nikhil     |
| 23.   | Niya Bharti         | 1425061                 | Botany (Hons) I  | Niya       |
| 24.   | Pratiksha           | 1425042                 | Botany (Hons) I  | Pratiksha  |
| 25.   | Shruti Tiwari       | 1425028                 | Botany (Hons) I  | Shruti     |
| 26.   | Sanskriti           | 1425059                 | Botany (Hons) I  | Sanskriti  |
| 27.   | Gauri Shakun        | 1423023                 | Botany (Hons) I  | Gauri      |
| 28.   | Rishika Singh       | 1423055                 | Botany (Hons) I  | Rishika    |
| 29.   | Anjali Kr.          | 1423013                 | Botany (Hons) I  | Anjali     |
| 30.   | Aman Singh          | 1423037                 | Botany (Hons) I  | Aman       |
| 31.   | Aashu Meena         | 1423053                 | Botany (Hons) I  | Aashu      |
| 32.   | Ali Akbar           | 1426031                 | Botany (Hons) I  | Ali        |
| 33.   | Aarav Patel         | 1426057                 | Botany (Hons) I  | Aarav      |
| 34.   | Vishesh Kumar       | 1423014                 | Botany (Hons) I  | Vishesh    |
| 35.   | Deepak Dutt         | 1423040                 | Botany (Hons) I  | Deepak     |
| 36.   | Vanshika Verma      | 1424048                 | Botany (Hons) I  | Vanshika   |
| 37.   | Shreyansh           | 1424033                 | Botany (Hons) I  | Shreyansh  |
| 38.   | Aditya Mitra        | 1424027                 | Botany (Hons) I  | Aditya     |
| 39.   | Neel Nayan          | 1424022                 | Botany (Hons) I  | Neel       |
| 40.   | Rohan Jain          | 1424040                 | Botany (Hons) I  | Rohan      |

|                           |         |                                             |                 |
|---------------------------|---------|---------------------------------------------|-----------------|
| 41. Hansika Gupta         | 1824046 | BioSciences II <sup>nd</sup> Year           | Hansika         |
| 42. Aditya Narayan Mishra | 1324001 | BioSciences II <sup>nd</sup> Year           | Aditya          |
| 43. Meera Tandon          | 1324049 | Biological Science II <sup>nd</sup> yr      | Meera           |
| 44. Lipi Chamoli          | 1324055 | Biological Science II <sup>nd</sup> Year    | Lipi            |
| 45. Swastika Arun         | 1125163 | Life Sciences I <sup>st</sup> Year          | Swastika        |
| 46. Tanvi Bishnoi         | 1125158 | Life Sci. (I <sup>st</sup> yr.)             | Tanvi           |
| 47. Misha Agrawal         | 1125164 | Life Sciences I <sup>st</sup> Year          | Misha           |
| 48. Rabneet Kaur          | 1124019 | Life Sciences II <sup>nd</sup> Year         | Rabneet Kaur    |
| 49. Yash Shukla           | 1124016 | B.Sc Life Sciences, II <sup>nd</sup> Year   | Yash Shukla     |
| 50. Pooja Jha             | 1125160 | B.Sc. Life Science I <sup>st</sup> Year     | Pooja           |
| 51. Bajrang               | 1125198 | B.Sc. Life Science I <sup>st</sup> Year     | Bajrang         |
| 52. Aayush                | 1425014 | B.Sc Botany I <sup>st</sup> Year            | Aayush          |
| 53. Atul K. Swya.         | 1423006 | B.Sc Botany 3 <sup>rd</sup> Year            | Atul            |
| 54. Aka Rani              | 1423011 | B.Sc. Botany 3 <sup>rd</sup> Year           | Aka Rani        |
| 55. Neeraj Kumar Kure     | 1423019 | B.Sc. (H) Botany                            | Neeraj Kumar    |
| 56. Kumari Riya           | 1423051 | B.Sc. (H) Botany 3 <sup>rd</sup> yr         | Riya            |
| 57. Sakshi Kumari         | 1423035 | B.Sc. (H) Botany 3 <sup>rd</sup> yr         | Sakshi          |
| 58. Shreya Thakur         | 1423010 | " "                                         | Shreya          |
| 59. Sweta Choudhary       | 1423045 | B.Sc. (H) Botany 3 <sup>rd</sup> yr         | Sweta Choudhary |
| 60. Tanvi Dinesh          | 1423039 | B.Sc. (H) Botany 3 <sup>rd</sup> yr         | Tanvi           |
| 61. Sneleekshmi S         | 1423054 | B.Sc. (H) Botany 3 <sup>rd</sup> yr         | Sneleekshmi     |
| 62. Ketan Indu            | 1124112 | B.Sc. (P) Life Science 2 <sup>nd</sup> Year | Ketan           |
| 63. Ayush Arora           | 1425020 | B.Sc. (H) Botany 1 <sup>st</sup> yr         | Ayush           |
| 64. Rohan Kumar           | 1425025 | B.Sc. (H) Botany 1 <sup>st</sup> yr         | Rohan           |
| 65. Vibhore Ishar         | 1423024 | B.Sc. (H) Botany 3 <sup>rd</sup> Year       | Vibhore         |

workshop day-2  
20th Jan  
morning



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| S.NO. | NAME OF THE STUDENT | ROLL NO. OF THE STUDENT | COURSE AND YEAR                   | SIGNATURE         |
|-------|---------------------|-------------------------|-----------------------------------|-------------------|
| 1     | Raina Malik         | 1425060                 | Botany (H) Ist Yr.                | Raina Malik       |
| 2     | Ayush Arya          | 1425020                 | Botany 7 <sup>th</sup> yr         | Ayush Arya        |
| 3     | Shruti Thakur       | 1423010                 | Botany 1 <sup>st</sup> year       | Shruti Thakur     |
| 4     | Alka Raw            | 1423011                 | "                                 | Alka Raw          |
| 5     | Sakshi Kumari       | 1423035                 | "                                 | Sakshi Kumari     |
| 6     | Neelam Kumari       | 1423019                 | "                                 | Neelam Kumari     |
| 7     | Kumari Riya         | 1423051                 | "                                 | Kumari Riya       |
| 8     | Aman Singh          | 1423057                 | "                                 | Aman Singh        |
| 9     | Aryan Kumar         | 1423013                 | "                                 | Aryan Kumar       |
| 10    | Atul K. Singh       | 1423006                 | "                                 | Atul K. Singh     |
| 11    | Deepak Butti        | 1423090                 | " 2 <sup>nd</sup> year            | Deepak Butti      |
| 12    | Sweta Choudhary     | 1423045                 | " 2 <sup>nd</sup> year            | Sweta Choudhary   |
| 13    | Shreya Yadav        | 1424011                 | Botany 2 <sup>nd</sup> Year       | Shreya Yadav      |
| 14    | Nash Shukla         | 1124016                 | B.Sc. Life Science II             | Nash Shukla       |
| 15    | Rakshi Kaur         | 1124019                 | B.Sc. (H) Life Science            | Rakshi Kaur       |
| 16    | Pratibha Sahu       | 1324033                 | B.Sc. (H) Bio Sci                 | Pratibha Sahu     |
| 17    | Umaprakash          | 1324060                 | " " "                             | Umaprakash        |
| 18    | Shruti Ravi         | 1324007                 | B.Sc. (H) Bio Sci                 | Shruti Ravi       |
| 19    | Rishi               | 1324009                 | B.Sc. (H) Biological Sci          | Rishi             |
| 20    | Shivam Saini        | 1324048                 | B.Sc. (H) Biological Sci          | Shivam Saini      |
| 21    | Ketan Indu          | 1124112                 | B.Sc. Life Science                | Ketan Indu        |
| 22    | Abhishek Mishra     | 1324001                 | B.Sc. (H) Bioscience              | Abhishek Mishra   |
| 23    | Meera Tandon        | 1324049                 | B.Sc. (H) Biological Sci          | Meera Tandon      |
| 24    | Libi Chahal         | 1324055                 | " "                               | Libi Chahal       |
| 25    | Kaushika Gupta      | 1324045                 | " "                               | Kaushika Gupta    |
| 26    | Deepanshu Vardhan   | 1324003                 | " "                               | Deepanshu Vardhan |
| 27    | Kanika              | 1324070                 | " (II)                            | Kanika            |
| 28    | INUVINDER SINGH     | 1122118                 | B.Sc. Life Science                | INUVINDER SINGH   |
| 29    | RISHIKA Saini       | 1423051                 | B.Sc. Botany 1 <sup>st</sup> year | RISHIKA Saini     |

| DAY 1 |                  |          |                             |
|-------|------------------|----------|-----------------------------|
| S.No. | Name             | Roll No. | Course and Year             |
| 1     | M. Jayesh        | 1125187  | BSc Life Science 1st Year   |
| 2     | Aarti GK         | 1125199  | BSc Life Science 1st Year   |
| 3     | Taneesha         | 1125200  | BSc Life Science 1st Year   |
| 4     | Ho Mona          | 1125166  | BSc Life Science 1st Year   |
| 5     | Naincy Singh     | 1125190  | BSc Life Science 1st Year   |
| 6     | Kashish Kumari   | 1125197  | BSc Life Science 1st Year   |
| 7     | Anshika Jain     | 1125172  | BSc Life Science 1st Year   |
| 8     | Banshita         | 1125175  | BSc Life Science 1st Year   |
| 9     | Kashish          | 1424049  | BSc Hons Botany 2nd year    |
| 10    | Gunjan Verma     | 1424041  | BSc Hons Botany 2nd year    |
| 11    | Shreya Yadav     | 1424011  | BSc Hons Botany 2nd year    |
| 12    | Aashi Yadav      | 1424036  | BSc Hons Botany 2nd year    |
| 13    | Shweta Maurya    | 1424004  | BSc Hons Botany 2nd year    |
| 14    | Jiya Chand       | 1424006  | BSc Hons Botany 2nd year    |
| 15    | Namrata          | 1424019  | BSc Hons Botany 2nd year    |
| 16    | kashish Meher    | 1424016  | BSc Hons Botany 2nd year    |
| 17    | Noteri           | 1424002  | BSc Hons Botany 2nd year    |
| 18    | Divya            | 1424025  | BSc Hons Botany 2nd year    |
| 19    | Anushka          | 1125178  | BSc Life Science 1st Year   |
| 20    | Diya Surkhel     | 1125209  | BSc Life Science 1st Year   |
| 21    | Aishani Singh    | 1425001  | BSc Hons Botany 1st year    |
| 22    | Raina Malik      | 1425060  | BSc Hons Botany 1st year    |
| 23    | Shiny Dutta      | 1425018  | BSc Hons Botany 1st year    |
| 24    | Shivam Saini     | 1324048  | BSc Hons Bio. Sci. 2nd year |
| 25    | Umang Verma      | 1324060  | BSc Hons Bio. Sci. 2nd year |
| 26    | Deepika Ray      | 1324007  | BSc Hons Bio. Sci. 2nd year |
| 27    | Ritika           | 1324009  | BSc Hons Bio. Sci. 2nd year |
| 28    | Dipuleena Sahu   | 1324033  | BSc Hons Bio. Sci. 2nd year |
| 29    | Deepanshu Vasuja | 1324003  | BSc Hons Bio. Sci. 2nd year |
| 30    | Kanika           | 1324070  | BSc Hons Bio. Sci. 2nd year |
| 31    | Anisha           | 1424015  | BSc Hons Botany 2nd year    |
| 32    | Bhawna           | 1424031  | BSc Hons Botany 2nd year    |
| 33    | Nakita           | 1424013  | BSc Hons Botany 2nd year    |
| 34    | Kamakshi         | 1424012  | BSc Hons Botany 2nd year    |
| 35    | Sudhanshu        | 1125180  | BSc Life Science 1st Year   |
| 36    | Aarav Pandey     | 1425057  | BSc Hons Botany 1st year    |
| 37    | Ali Akbar        | 1425031  | BSc Hons Botany 1st year    |
| 38    | Bharat           | 1425013  | BSc Hons Botany 1st year    |

|    |                       |         |                             |
|----|-----------------------|---------|-----------------------------|
| 39 | Shivam Poonia         | 1424014 | BSc Hons Botany 2nd year    |
| 40 | Paramveer Singh       | 1424001 | BSc Hons Botany 2nd year    |
| 41 | Tushar                | 1424008 | BSc Hons Botany 2nd year    |
| 42 | Kuwar Jee             | 1125191 | BSc Life Science 1st Year   |
| 43 | Shreyansh Chauhan     | 1125208 | BSc Life Science 1st Year   |
| 44 | Nikhil                | 1125058 | BSc Life Science 1st Year   |
| 45 | Abhishek Kumar        | 1125170 | BSc Life Science 1st Year   |
| 46 | Tushar Sati           | 1125211 | BSc Life Science 1st Year   |
| 47 | Washist Aman          | 1125177 | BSc Life Science 1st Year   |
| 48 | Rishika Gupta         | 1425032 | BSc Hons Botany 1st year    |
| 49 | Rohan Kumar           | 1425025 | BSc Hons Botany 1st year    |
| 50 | Muskan Singh          | 1425009 | BSc Hons Botany 1st year    |
| 51 | Pooja Yadav           | 1425065 | BSc Hons Botany 1st year    |
| 52 | Lovish                | 1425038 | BSc Hons Botany 1st year    |
| 53 | Aditya Kumar Deo      | 1425044 | BSc Hons Botany 1st year    |
| 54 | Ayush Yadav           | 1425015 | BSc Hons Botany 1st year    |
| 55 | Sweetty Kumari        | 1425050 | BSc Hons Botany 1st year    |
| 56 | Rajnandani Kumari     | 1425064 | BSc Hons Botany 1st year    |
| 57 | Varsha Singh          | 1424046 | BSc Hons Botany 2nd year    |
| 58 | Nainsi Priya          | 1424048 | BSc Hons Botany 2nd year    |
| 59 | Nancy Yadav           | 1425063 | BSc Hons Botany 1st year    |
| 60 | Wilinchului           | 1425066 | BSc Hons Botany 1st year    |
| 61 | Diya Bharti           | 1425061 | BSc Hons Botany 1st year    |
| 62 | Partikshya            | 1425042 | BSc Hons Botany 1st year    |
| 63 | Shruti Tiwari         | 1425028 | BSc Hons Botany 1st year    |
| 64 | Sanskriti             | 1425059 | BSc Hons Botany 1st year    |
| 65 | Gauri Thakur          | 1423023 | BSc Hons Botany 3rd year    |
| 66 | Rishika Singh         | 1423055 | BSc Hons Botany 3rd year    |
| 67 | Aryan Kumar           | 1423013 | BSc Hons Botany 3rd year    |
| 68 | Aman Singh            | 1423037 | BSc Hons Botany 3rd year    |
| 69 | Aksh Moudgil          | 1423053 | BSc Hons Botany 3rd year    |
| 70 | Vishesh Porwal        | 1423014 | BSc Hons Botany 3rd year    |
| 71 | Deepak Dutt           | 1423040 | BSc Hons Botany 3rd year    |
| 72 | Vanshika Verma        | 1424048 | BSc Hons Botany 2nd year    |
| 73 | Shreyansh             | 1424033 | BSc Hons Botany 2nd year    |
| 74 | Adrija Mitra          | 1424027 | BSc Hons Botany 2nd year    |
| 75 | Neel Nayan            | 1424022 | BSc Hons Botany 2nd year    |
| 76 | Rohan Jain            | 1424040 | BSc Hons Botany 2nd year    |
| 77 | Hansika Gupta         | 1324046 | BSc Hons Bio. Sci. 2nd year |
| 78 | Aditya Narayan Mishra | 1324001 | BSc Hons Bio. Sci. 2nd year |

|     |                   |         |                             |
|-----|-------------------|---------|-----------------------------|
| 79  | Meera Tandon      | 1324049 | BSc Hons Bio. Sci. 2nd year |
| 80  | Lipi Chamoli      | 1324055 | BSc Hons Bio. Sci. 2nd year |
| 81  | Swastika Arum     | 1125163 | BSc Life Science 1st Year   |
| 82  | Tanya Bishnoi     | 1125158 | BSc Life Science 1st Year   |
| 83  | Misha Agrawal     | 1125164 | BSc Life Science 1st Year   |
| 84  | Rabneet Kaur      | 1124049 | BSc Life Science 2nd Year   |
| 85  | Yash Shukla       | 1124016 | BSc Life Science 2nd Year   |
| 86  | Suraj Jha         | 1125160 | BSc Life Science 1st Year   |
| 87  | Bajrang           | 1125198 | BSc Life Science 1st Year   |
| 88  | Aayan             | 1425014 | BSc Hons Botany 1st year    |
| 89  | Atul Kumar Surya  | 1423006 | BSc Hons Botany 3rd year    |
| 90  | Alka Rani         | 1423011 | BSc Hons Botany 3rd year    |
| 91  | Neiphretuono Kire | 1423019 | BSc Hons Botany 3rd year    |
| 92  | Kumari Riya       | 1423051 | BSc Hons Botany 3rd year    |
| 93  | Sakshi Kumari     | 1423035 | BSc Hons Botany 3rd year    |
| 94  | Shruti Thakur     | 1423010 | BSc Hons Botany 3rd year    |
| 95  | Sweta Chauhary    | 1423045 | BSc Hons Botany 3rd year    |
| 96  | Tarita Dinesh     | 1423038 | BSc Hons Botany 3rd year    |
| 97  | Sreelekshmi S.    | 1423054 | BSc Hons Botany 3rd year    |
| 98  | Ketan Indu        | 1124112 | BSc Life Science 2nd Year   |
| 99  | Ayush Arya        | 1425020 | BSc Hons Botany 1st year    |
| 100 | Vibhore Ishar     | 1423024 | BSc Hons Botany 3rd year    |

| Day 2 |                   |          |                          |
|-------|-------------------|----------|--------------------------|
| S.No. | Names             | Roll No. | Course and Year          |
| 1     | Raina Malik       | 1425060  | BSc Hons Botany 1st year |
| 2     | Ayush Arya        | 1425020  | BSc Hons Botany 1st year |
| 3     | Shruti Thakur     | 1423010  | BSc Hons Botany 3rd year |
| 4     | Neiphretuono Kire | 1423019  | BSc Hons Botany 3rd year |
| 5     | Kumari Riya       | 1423051  | BSc Hons Botany 3rd year |
| 6     | Aman Singh        | 1423037  | BSc Hons Botany 3rd year |
| 7     | Aryan Kumar       | 1423013  | BSc Hons Botany 3rd year |
| 8     | Atul Kumar Surya  | 1423006  | BSc Hons Botany 3rd year |
| 9     | Deepak Dutt       | 1423040  | BSc Hons Botany 3rd year |
| 10    | Sweta Chauhary    | 1423045  | BSc Hons Botany 3rd year |

|    |                       |         |                             |
|----|-----------------------|---------|-----------------------------|
| 11 | Shreya Yadav          | 1424011 | BSc Hons Botany 2nd year    |
| 12 | Yash Shukla           | 1124016 | BSc Life Science 2nd Year   |
| 13 | Rabneet Kaur          | 1124019 | BSc Life Science 2nd Year   |
| 14 | Dipuleena Sahu        | 1324033 | BSc Hons Bio. Sci. 2nd year |
| 15 | Umang Verma           | 1324060 | BSc Hons Bio. Sci. 2nd year |
| 16 | Sakshi Kumari         | 1423035 | BSc Hons Botany 3rd year    |
| 17 | Deepika Ray           | 1324007 | BSc Hons Bio. Sci. 2nd year |
| 18 | Ritika                | 1324009 | BSc Hons Bio. Sci. 2nd year |
| 19 | Shivam Saini          | 1324048 | BSc Hons Bio. Sci. 2nd year |
| 20 | Ketan Indu            | 1124112 | BSc Life Science 2nd Year   |
| 21 | Aditya Narayan Mishra | 1324001 | BSc Hons Bio. Sci. 2nd year |
| 22 | Meera Tandon          | 1324049 | BSc Hons Bio. Sci. 2nd year |
| 23 | Lipi Chamoli          | 1324055 | BSc Hons Bio. Sci. 2nd year |
| 24 | Hansika Gupta         | 1324045 | BSc Hons Bio. Sci. 2nd year |
| 25 | Deepanshu Vasuja      | 1324003 | BSc Hons Bio. Sci. 2nd year |
| 26 | Kanika                | 1324070 | BSc Hons Bio. Sci. 2nd year |
| 27 | Gurvinder Singh       | 1122118 | BSc Life Science 4th year   |
| 28 | Rishika Singh         | 1423055 | BSc Hons Botany 3rd year    |
| 29 | Alka Rani             | 1423011 | BSc Hons Botany 3rd year    |

# Inaugural lecture poster



**SRI VENKATESWARA COLLEGE**  
**DEPARTMENT OF BOTANY**  
*in collaboration with*  
**JAMIA MILLIA ISLAMIA UNIVERSITY**

**3 DAY HANDS-ON WORKSHOP:**  
**Tools & Techniques in Biotechnology**



**Inaugural Address by:**  
**Dr. Sanjay Kumar Dey**  
Assistant Professor, Biomedical Sciences, Dr. B. R. Ambedkar Center for Biomedical Research (ACBR), University of Delhi

**Title of Talk: "Biotechnology Beyond the Lab: The Instruments Driving the Future"**

**19<sup>th</sup> Jan. 2026 | Time: 10 AM - 11 AM | Venue: Room No. 57**

**LIMITED SEATS AVAILABLE!**

**REGISTER NOW**



**DATES: 19<sup>th</sup>-21<sup>st</sup> Jan, 2026**  
**TIME: 10:00 A.M.- 4:30 P.M.**  
**REGISTRATION FEE: 500/-**  
For any queries, feel free to contact  
Aayushi: +91 70179 57193

**Venue: Botany New Lab**

**Organizing Committee:**  
Prof(Dr.) Shukla Saluja | Dr. Pooja Gokhale Sinha | Dr. Navneet Kumar | Dr. Manoj Thakur | Dr. Muthabathula Prajna | Dr. Shantanu Mandal | Dr. Sachin Kumar | Dr. K. Prasad | Dr. Pamil Tayal | Dr. G Krishna Kumar | Dr. Amrita Singh | Dr. Sarda Thokchom | Dr. Upasana Sharma | Dr. Urfi Jahan | Dr. Shraddha Sharma | Dr. Shivani Anand

**Co-Convenors**  
Dr. Aditi Kothari Chhajer  
Dr. Shweta Sharma

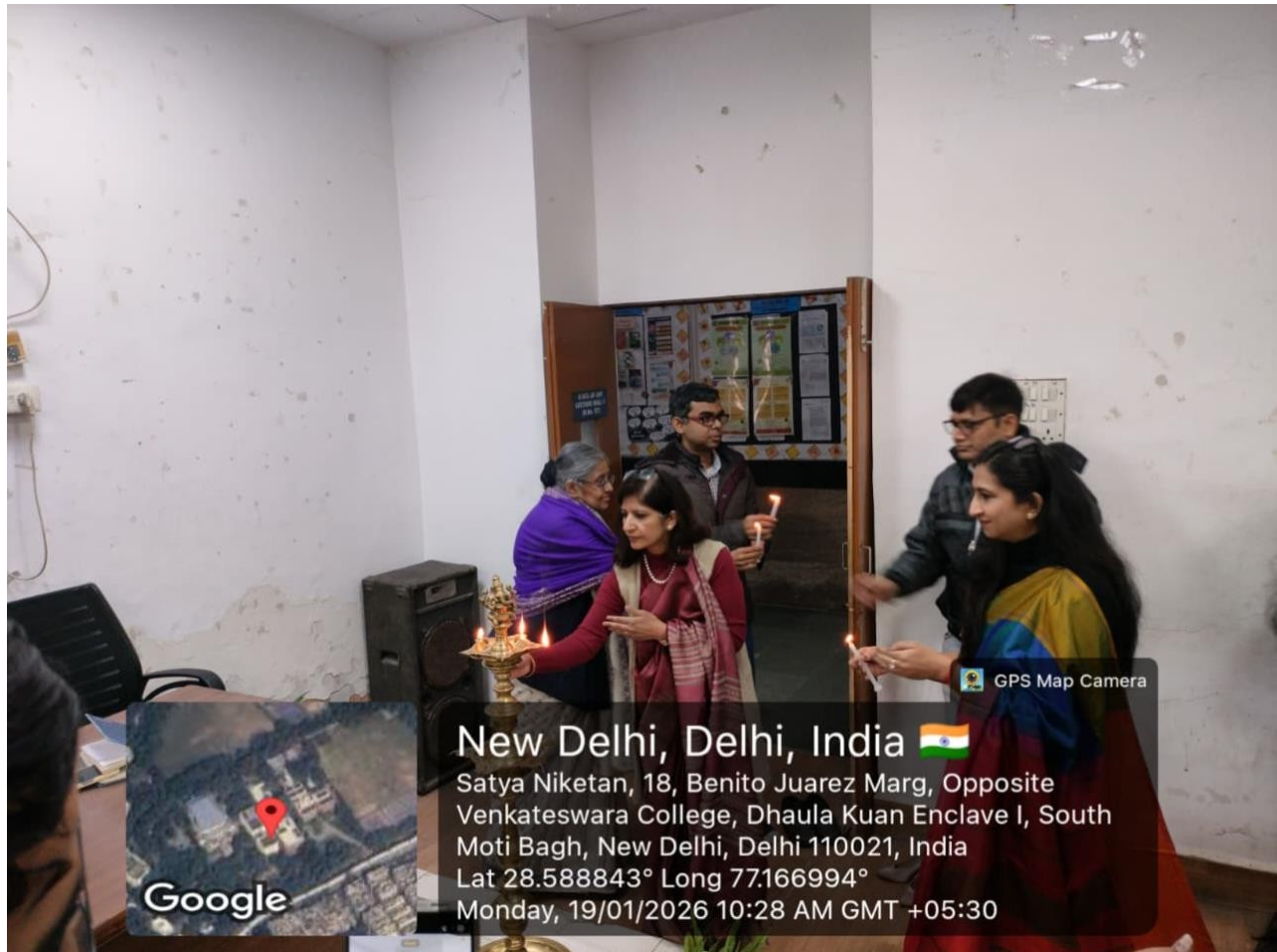
**Convenor and Teacher -In-Charge**  
Dr. Sunita Yadav

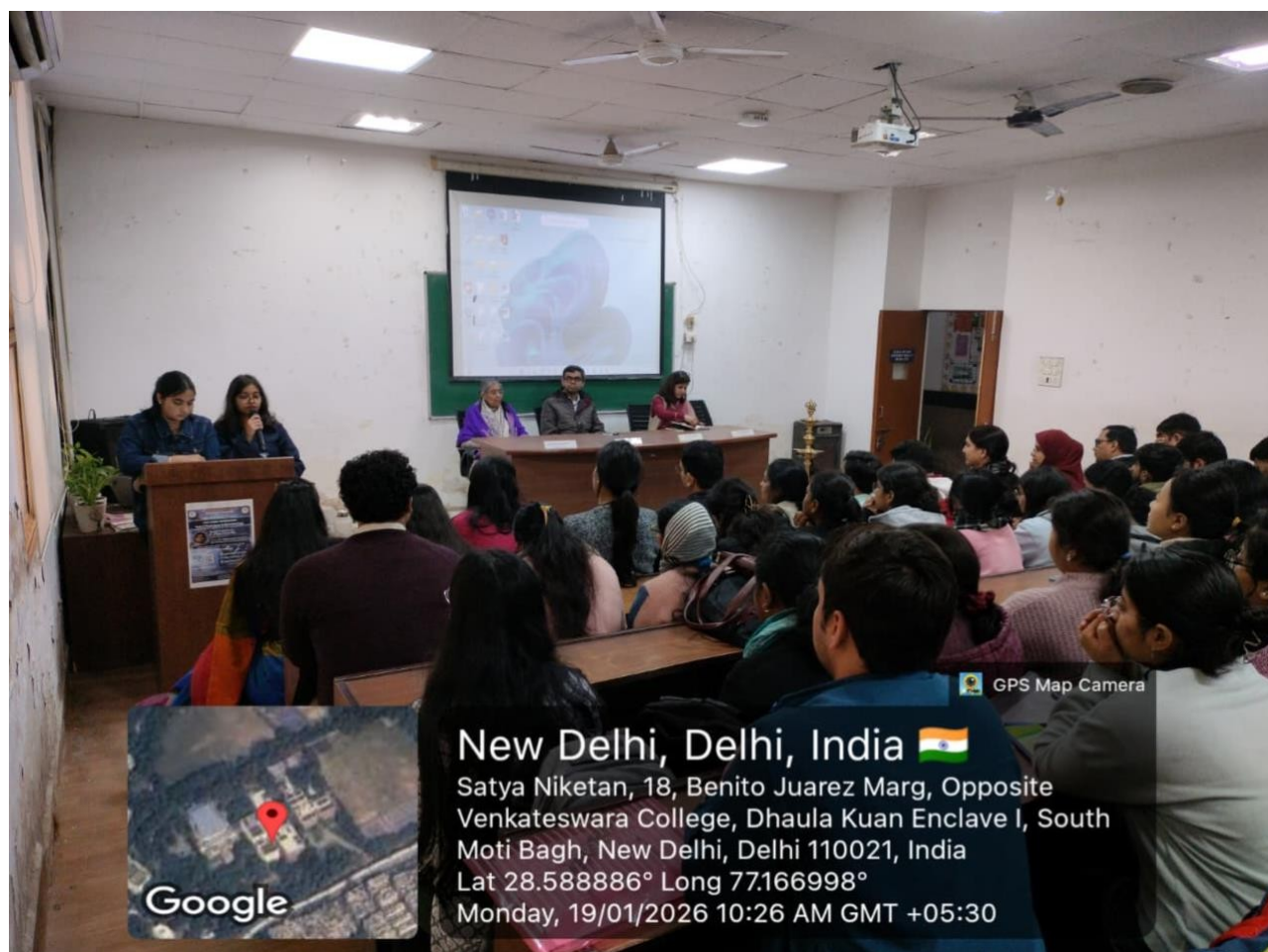
**Principal**  
Prof. Vajala Ravi

## Group picture on the inaugural lecture



# Lamp lighting ceremony







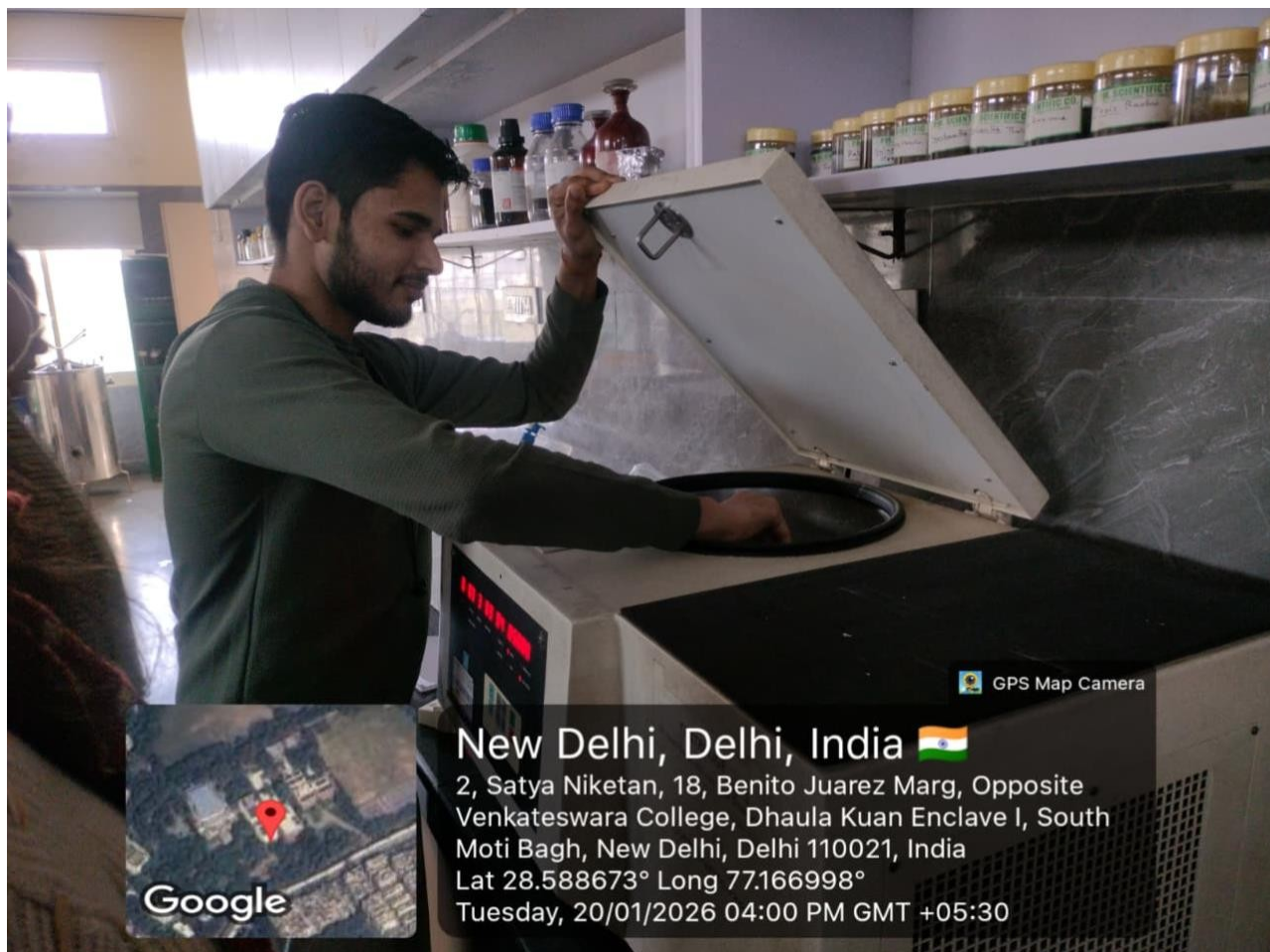










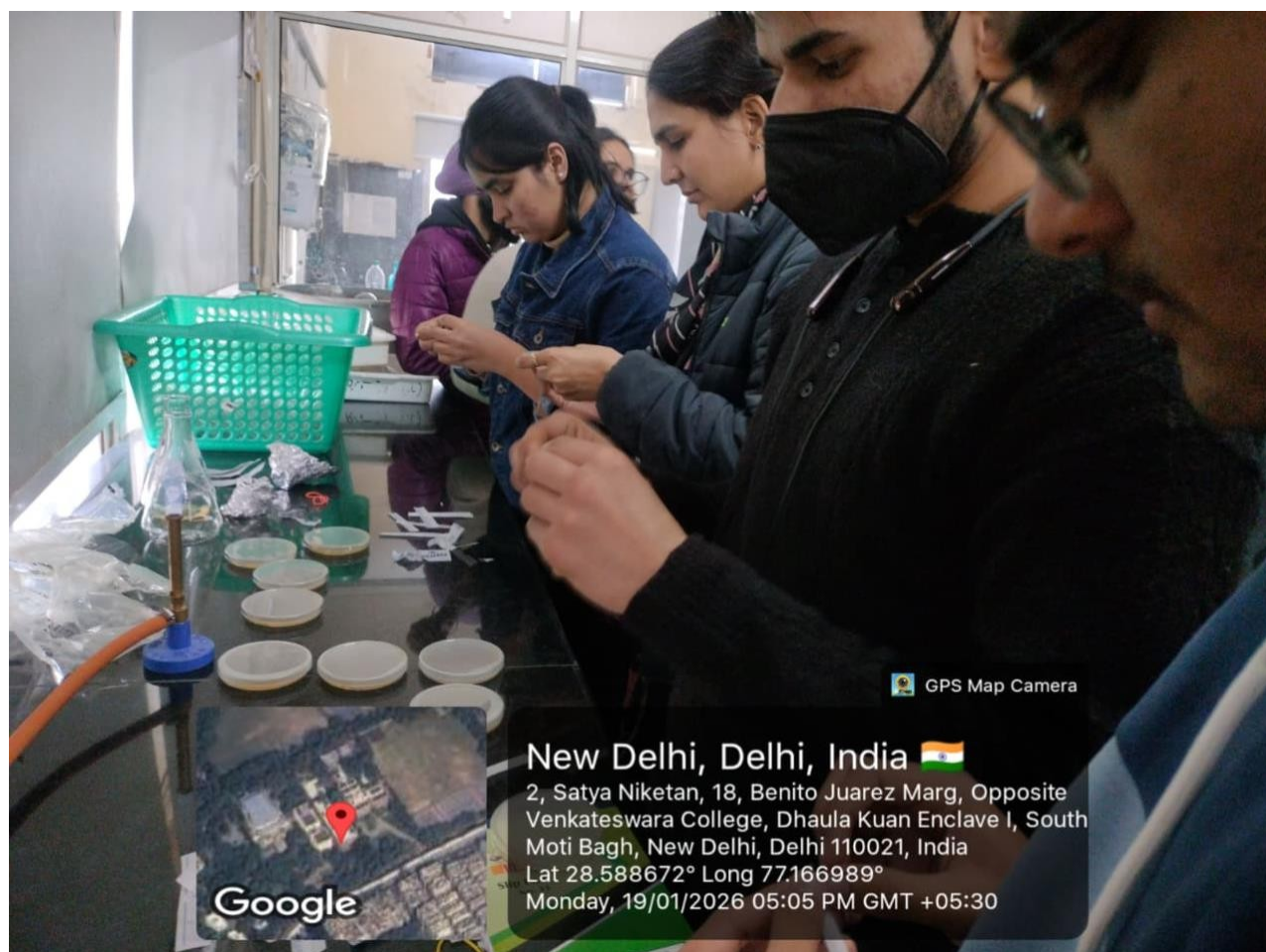


GPS Map Camera



New Delhi, Delhi, India 🇮🇳

2, Satya Niketan, 18, Benito Juarez Marg, Opposite  
Venkateswara College, Dhaura Kuan Enclave I, South  
Moti Bagh, New Delhi, Delhi 110021, India  
Lat 28.588673° Long 77.166998°  
Tuesday, 20/01/2026 04:00 PM GMT +05:30





# Quiz taken towards the end of the event

34  
40

Name: MEEGA TANDON

Tools and techniques in Biotechnology

Max. Marks 40 (2 x 20)

21-01-2026

Q1) Which of the following methods of infection control requires the use of an autoclave?

- irradiation
- disinfection
- ☒ sterilisation
- sanitisation

(2)

Q2) Which tracking dye is used in SDS-PAGE?

- Coomassie blue
- bromothymol blue
- ☒ bromophenol blue
- acridine dye

(2)

Q3) A protein mixture having a MW of 2,000, 23,000 and 40,000 daltons was electrophoresed in SDS-PAGE system. Which protein will be at the bottom of gel?

- a protein with MW of 40,000 daltons
- a protein with MW of 23,000 daltons
- ☒ a protein with MW of 2,000 daltons
- all will be in one band

(2)

Q4) A culture of *Klebsiella pneumoniae* in exponential phase has an absorbance, measured at 600 nm, equal to 0.2. 0.2 ml of the  $10^{-4}$  dilution was spread onto appropriate culture medium. After incubation period, 40 colonies were counted. Calculate the total CFU if the culture volume is 3 ml.

Ans:  $6 \times 10^4$  CFU

Q5) The Taq polymerase enzyme is obtained from

- Thiobacillus ferrooxidans*
- Bacillus subtilis*
- Pseudomonas subtilis*
- ☒ *Thermus aquaticus*

(2)

Q6) Which of the following is a primary factor that dictates how far a protein will migrate during SDS-PAGE?

- Degree of tertiary structure
- ☒ Size
- Degree of secondary structure
- Number of subunits

(2)

Q4) vol. taken = 0.2 ml  
D.F. =  $10^{-4}$   
no. of colonies = 40

$$CFU/ml = \frac{40 \times 10^4}{0.2 \times 0.1} = 2 \times 10^4 \text{ CFU/ml}$$

for 3ml of culture vol =  $2 \times 10^4 \times 3$   
 $= 6 \times 10^4 \text{ CFU}$

GPS Map Camera

**New Delhi, Delhi, India** 🇮🇳  
 2, Satya Niketan, 18, Benito Juarez Marg, Opposite  
 Venkateswara College, Dhaura Kuan Enclave I, South  
 Moti Bagh, New Delhi, Delhi 110021, India  
 Lat 28.588541° Long 77.167024°  
 Wednesday, 21/01/2026 04:55 PM GMT +05:30

Google

# Valedictory lecture poster



**SRI VENKATESWARA COLLEGE**  
**DEPARTMENT OF BOTANY**  
*in collaboration with*  
**JAMIA MILLIA ISLAMIA UNIVERSITY**

**3 DAY HANDS-ON WORKSHOP:**  
**Tools & Techniques in Biotechnology**



**Valedictory Address by:**  
**Padma Shri, Prof. R.N.K. Bamezai**  
FNASc., FIAMS, FAMS, FNA  
*Former Professor and Dean School of Life Sciences and School of Computational and Integrative Sciences, JNU*  
*Former VC, SMVDU, Katra, J&K*

**21<sup>st</sup> Jan. 2026 | Time: 2 PM onwards | Venue: Seminar Hall , DD Block**

**LIMITED SEATS AVAILABLE!**

**REGISTER NOW**



 **DATES: 19<sup>th</sup>-21<sup>st</sup> Jan, 2026**  
 **TIME: 10:00 A.M.- 4:30 P.M.**  
 **REGISTRATION FEE: 500/-**  
For any queries, feel free to contact  
Aayushi: +91 70179 57193

**Venue: Botany New Lab**

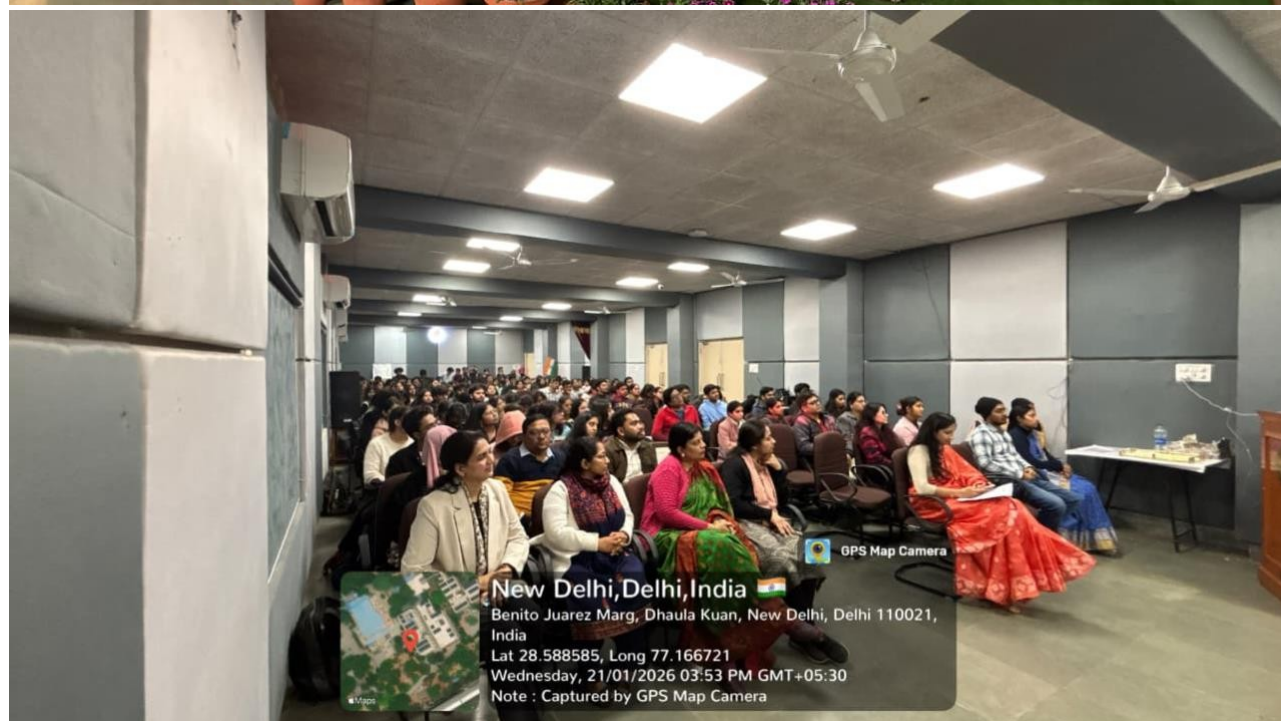
**Organizing Committee:**  
Prof(Dr.) Shukla Saluja | Dr. Pooja Gokhale Sinha | Dr. Navneet Kumar | Dr. Manoj Thakur | Dr. Muthabathula Prajna | Dr. Shantanu Mandal | Dr. Sachin Kumar | Dr. K. Prasad | Dr. Pamil Tayal | Dr. G Krishna Kumar | Dr. Amrita Singh | Dr. Sarda Thokchom | Dr. Upasana Sharma | Dr. Urfi Jahan | Dr. Shraddha Sharma | Dr. Shivani Anand

**Co-Convenors**  
Dr. Aditi Kothari Chhajer  
Dr. Shweta Sharma

**Convenor and Teacher -In-Charge**  
Dr. Sunita Yadav

**Principal**  
Prof. Vajala Ravi

# Valedictory lecture venue





## Welcoming speech by the Principal sir



## Mementos given to the scholars







# Introduction of the speaker



# Interaction between the speaker and the students



## Student certificate

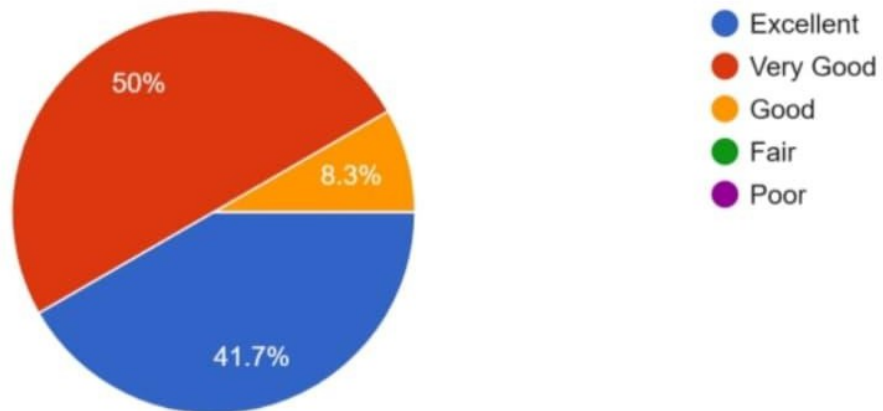


## Student certificate

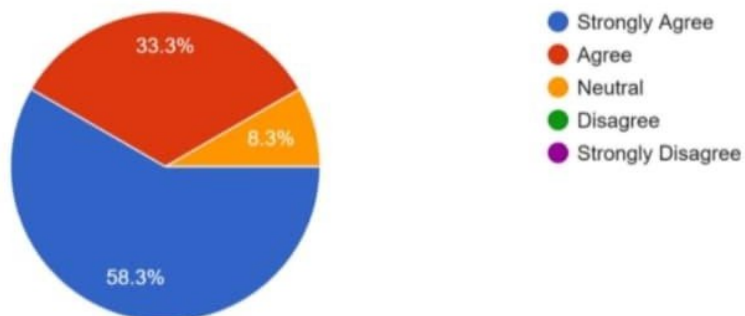


# Feedback form analysis

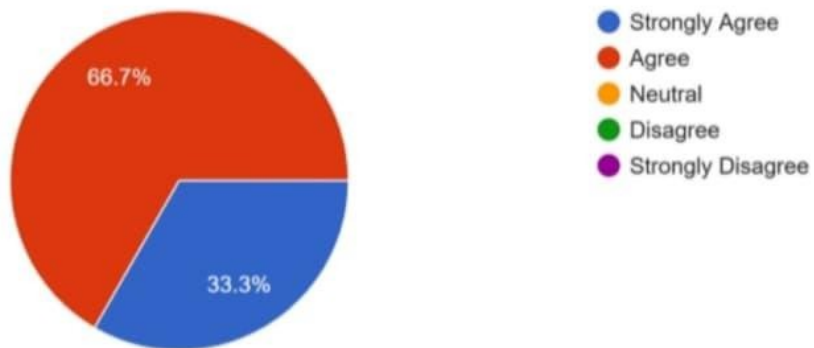
How would you rate the overall quality of the workshop?



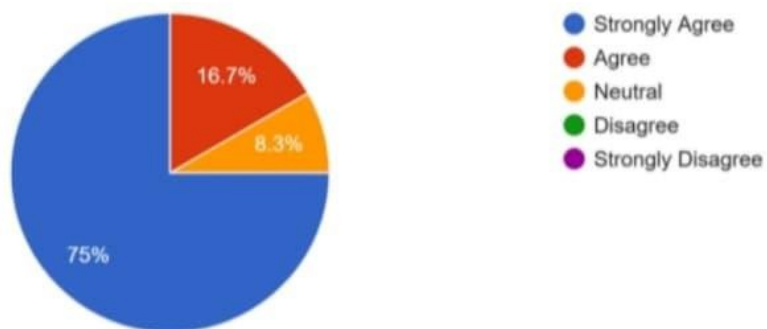
The objectives of the workshop were clearly explained.



The workshop met your expectations.



The workshop enhanced your understanding of biotechnology tools and techniques.



# Completion Certificate

