



Report

Live Demonstration of Instruments

Organized by

School of Studies in Biotechnology

Pt. Ravishankar Shukla University, Raipur

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KRS Technology, Raipur

SoS in Biotechnology, Pt. Ravishankar Shukla University, Raipur, in collaboration with KRS Technology, Raipur, organized live demonstration of instruments on 11 August 2025. The event was attended by 55 M.Sc. students of SoS in Biotechnology, SoS in Life Sciences, Institute of Pharmacy and research scholars along with faculty members.

Guest experts from KRS Technology delivered an insightful talk on the principles of instruments such as the micro-volume spectrophotometer, cell drop-cell counter, and ELISA plate reader. The micro-volume spectrophotometer was highlighted for its ability to quantify nucleic acids and proteins using minimal sample volume.

Next, the cell drop-cell counter was introduced, demonstrating its utility in accurately counting cells, assessing cell viability, and providing automated imaging. Finally, the ELISA plate reader was showcased, with a focus on its application in immunoassays for detecting specific antigens or antibodies.

Students actively participated in the live. The event successfully bridged theoretical knowledge with practical skills and provided valuable insights into the operational principles and applications of these instruments.

Glimpses of the Program



Live Demonstration of Micro-volume spectrophotometer, Cell counter, Plate reader ELISA

11/08/2025

S. No.	Name	Class	Department	Signatures
1.	Aashi Faridi	MSc Isem	SOS Biotechnology	<u>Aashi</u>
2.	Anushka Tiwari	MSc 1st sem	SOS Biotechnology	<u>Anushka</u>
3.	Ankita Dey Ray	MSc 1st sem	SOS Biotechnology	<u>Ankita</u>
4.	Anusha Yadav	M.Sc 1st sem	SOS Biotechnology	<u>Anusha</u>
5.	L. Venkat Ramanan Rao	MSc. 1st sem	SOS Biotechnology	<u>L. Venkat</u>
6.	Bhavesh Tandon	MSc. 1st sem	SOS Biotechnology	<u>Bhavesh</u>
7.	Shreya Bhardwaj	MSc. 1st sem	SOS Biotechnology	<u>Shreya</u>
8.	Nidhi Sharma	MSc 1st sem	SOS Biotechnology	<u>Nidhi</u>
9.	Tharun Dore	MSc 1st sem	SOS Biotechnology	<u>Tharun</u>
10.	Aditi Jhangdi	MSc 1st sem	SOS Biotechnology	<u>Aditi</u>
11.	Shrawan Kumar	MSc 1st sem	SOS Biotechnology	<u>Shrawan</u>
12.	Sujata Ekka	MSc. 1st sem	SOS Biotechnology	<u>Sujata</u>
13.	Riya Choudhary	MSc 1st sem.	SOS Biotechnology	<u>Riya</u>
14.	Honey Agrawal	MSc 1st sem.	SOS Biotechnology	<u>Honey</u>
15.	Aliya Farheen	MSc 1st sem.	SOS Biotechnology	<u>Aliya</u>
16.	Diksha Verma	MSc 1st sem	SOS Biotechnology	<u>Diksha</u>
17.	Shruti Dwan	MSc 1st sem	SOS Biotechnology	<u>Shruti</u>
18.	Neeraj Thakur	MSc 1st sem	SOS Biotechnology	<u>Neeraj</u>
19.	Divya Sahu	Ph.D.	Pharmacy, UOP	<u>Divya</u>
20.	Neha Toppo	Ph.D.	Pharmacy, UOP	<u>Neha</u>
21.	Sachinder Yadav	Ph.D.	Pharmacy, UOP	<u>Sachinder</u>
22.	KHEMKA	Ph.D.	Biotech	<u>Khemka</u>
23.	OMARANT SAINI	Ph.D.	Pharmacy	<u>Omarant</u>
24.	Narayan Hemnani	Ph.D.	Pharmacy	<u>Narayan</u>
25.	Chetana Dhanu	Ph.D.	S.O.S. in Biotechnology	<u>Chetana</u>
26.	Ankita Rathi	Ph.D.	SOS in Biotechnology	<u>Ankita</u>
27.	Krushboo Lilania	Ph.D.	SOS in Biotech	<u>Krushboo</u>
28.	Poulomi Bera	Ph.D.	SOS in Biotechnology	<u>Poulomi</u>
29.	Aijali Dewangan	Intern (M.Sc)	SOS in Biotechnology	<u>Aijali</u>

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S. No.	Name	Class	Department	Signature
30	Bhagyashree	PhD	Biotech	Tanya
31.	Pooja Shinde	Ph.D.	Biotech	Pooja Shinde
32	Priya Kute	MSc. Sem I st	Biotech.	Priya Kute
33	Nishant Kumar Karketta	MSc. Sem I st	Biotech	Nishant
34)	Domendrakant Sahu	M.Sc. Sem III	Bioscience	Domendra
35)	Reetika Thakur	MSc. Sem I st	Biotech	Reetika
36)	Kusum Nishad	M.Sc. I sem	Biotechnology	Kusum
37)	Devika Sonkar	MSc. I sem	Biotech	Devika
38)	Sagnika Sen	MSc III	Biotechnology	Sagnika
39)	Samidha Sharma	MSc III	—	Samidha
40)	Danini Dhuw	MSc III	Biotechnology	Danini
41)	Manish Deo	MSc III	Biotechnology	Manish
42	Navya	Interns	Biotechnology	Navya
43	Khashi Jain	Interns	Biotechnology	Khashi
44.	Mokshraj Singh	MSc III	Biotechnology	Mokshraj
45.	Khashi Srivastava	MSc III	Biotechnology	Khashi
46.	Yamini Porgade	MSc III	Biotechnology	Yamini
47	Unnati Dewangan	MSc III	Biotechnology	Unnati
48	Monika Verma	MSc III	Biotech	Monika
49	Kshitika Tiwari	MSc III	Biotechnology	Kshitika
50.	Pankaj Kumar Khandhe	M.Sc. III	Biotechnology	Pankaj
51.	Neha Parkar	M.Sc. III	Biotechnology	Neha
52.	Pankaj Piyush Netam	M.Sc. III	Biotechnology	Pankaj
53.	Jeba Grace Tigga	PhD	Life Science	Jeba
54.	Smriti Rakesh	PhD	Biotech	Smriti
55.	Midha Guler	PhD	Biotech	Midha

Join us and bridge the gap between technique and technology

LIVE DEMONSTRATION



of

INSTRUMENTS



**MICRO VOLUME
SPECTROPHOTOMETER**

↓
**DNA, RNA,
Protein
Quantification**

**CELL DROP-
CELL COUNTER**

↓
**Animal, Plant,
and Fungi cells**

**PLATE READER-
ELISA**

↓
**Primary and
Secondary
Antibodies**

On



Monday, 11 August 2025 | 03:00 PM

Seminar Hall, SoS in Biotechnology, PRSU



Organised By

School of Studies in Biotechnology

Pt. Ravishankar Shukla University, Raipur

In Collaboration with

KRS Technology, Raipur