# Centre for Scientific Research and Development

# **ANNUAL REPORT**

2024-2025



# PEOPLE'S UNIVERSITY, BHOPAL

Name of HOI: Prof. Dr. Subhash J. Bhore

Name of Faculty: Faculty of Science

Dean of the Faculty: Dr. Abin Mani

Name of BOS Chairperson: Dr. Richa Jain

Name of Programmes Offered in the Institution during 2024-25: B.Sc. Biotechnology, M.Sc.

Biotechnology, M.Sc. Microbiology and Ph.D.

#### 1. Program-wise sanctioned intake and admitted students' details during the session 2024-25:

S.No.	Name of Programme	Sanctioned Intake	Admitted Students
1	B. Sc Biotechnology	30	11
2	M. Sc Biotechnology	10	2
3	M. Sc Microbiology	10	2

# 2. Students' details (enrolled 2023-2024, SC-ST-OBC-General) and total number of students studying as on December 31, 2023):

S.No.	Name of Programme	SC	ST	OBC	GN
1	B. Sc Biotechnology	1	1	2	7
2	M. Sc Biotechnology	0	0	1	1
3	M. Sc Microbiology	0	0	2	0

#### 3. Total number of teaching staff:

S. No	. Teaching Staff	Male	Female
1	07	04	03

#### 4. Hostel intake capacity and occupancy:

S. No.	Intake Capacity	Male	Female
1	30	0	02

**5. Library details:** 58 Books

# 6. Programs for which the examinations have been conducted and the number of candidates who appeared for the examination in the final year:

S.No.	Name of Programme	Students appeared
1	B. Sc Biotechnology	8
2	M. Sc Biotechnology	2

3	M. Sc Microbiology	2
A	Undergraduates: Passed out during the year 2024-25	4
В	Postgraduates: Passed out during the year 2024-25	1

## 7. Memorandum of Understanding (MoU):

S.No.	Title of collaborative activity	Name of collaborating agency	Duration	Nature of activity
1	Students' Training Postgraduate Research/ Collaborative Research	ICAR-Indian Institute of Pulses Research, Kanpur and People's University, Bhopal	05 Year	Students Training Postgraduate Research Collaborative Research
2	Collaborative Research	HSC International, USA	Open/informal	Collaborative Training programmes / International Webinars on H5N1

### 8. Cultural events conducted:

S.No	Name of Events	Date	Brief Details of the Activity Conducted
1	Bhartiya Sanskriti	October	Bhartiya Sanskriti Gyan Parishikha (BSGP) is being
	Gyan Parishikha	24 <sup>th</sup> 2024	conducted by People's University in collaboration with
			the World Gayatri Pariwar, and the students of the
			department actively participated in its associated
			activities.
2	Annual Function	April 12 <sup>th</sup> 2025	The Department of Biotechnology & Microbiology
			successfully organized its Annual Function "2024" to
			celebrate achievements, student talents, faculty
			contributions, and departmental progress. The event
			served as a platform for students to showcase their
			creativity. Several activities like cultural dance
			performances, skit play, mime act, dance performance on the Bollywood era and fashion show were carried
			out, where all students and faculty actively participated.
3	Fresher's Party	September 30 <sup>th</sup>	The senior students of B.Sc and M.Sc Biotechnology
		2024	warmly welcomed the new batch of budding
			biotechnologists by organizing a vibrant Fresher's
			Party. The event was designed to make the freshers feel
			comfortable, introduce them to campus life, and initiate
			friendly bonding with seniors. The Miss Fresher and Mr
			Freshers titles were given to the best performances.
4	Farewell Program	June 5 <sup>th</sup> 2025	The B.Sc and M.Sc Biotechnology students of CSRD
			came together to organize a heartfelt farewell program

to bid goodbye to their seniors, marking the end of an
academic journey and the beginning of a new chapter in
life. The event was filled with emotions, memories,
laughter, and gratitude.

## 9. Sports events conducted:

S.No.	Name of Sports Events	Date	Brief Details of the Activity Conducted
1	Cricket Match	April 9 <sup>th</sup> 2025	All the students and faculty of the department
			participated in the cricket match. The winning
			team was awarded a trophy during the Annual
			Function.
2	Fulki Race	April 9 <sup>th</sup> 2025	All the students of the department participated in
			the Fulki Race. The winning team was awarded a
			trophy.
3	Dodge Ball	April 9 <sup>th</sup> 2025	All the students of the department participated in
	Competition		the dodgeball competition. The winning team
			was awarded a trophy.

## 10. National Cadet Corps (NCC) Activities, Awards and Achievements

S.No	Name of NCC Camp	Date and Place	Name of Students
1	1st CATC camp	May13 <sup>th</sup> -22 <sup>nd</sup> 2024	Prashansha Choudhary, B Sc 4 <sup>th</sup>
		DMS School, Shyamla	Sem
		Hills, Bhopal	
2	2 <sup>nd</sup> CATC (IBC)	May 27 <sup>th</sup> - June 5 <sup>th</sup> 2024	Achievements:
		Narmadapuram	*She was awarded for Rifle loading
3	3 <sup>rd</sup> CATC	June 20 <sup>th</sup> -29 <sup>th</sup> 2024	and unloading in 1st CATC camp
		Vidisha	
4	4 <sup>th</sup> CATC (Inter	July 12 <sup>th</sup> -21 <sup>st</sup> 2024	*She has participated in the RDC
	battalion )	Bhopal	National Camp in 2025
	oth magazi	T. I. cond. cast cood.	
5	5 <sup>th</sup> TSC (Inter-	July 22 <sup>nd</sup> – 31 <sup>st</sup> 2024	
	group	Raipur (Chhattisgarh)	
	competition)		
6	CATC	May 27 <sup>th</sup> 2024	Divyanshu Alawe, B.Sc. 4 <sup>th</sup> Sem
	CHIC	Narmadapuram, MP	Bivyansha rhawe, B.Sc. 1 Sem
7	CATC	June 20 <sup>th</sup> 2024, MP	Achievements:
8	Air Sq. CATC	July 12 <sup>th</sup> 2024, MP	* Alpha grade in B certificate
9	IGC	July 22 <sup>th</sup> 2024, Raipur	* 1st prize in inter battalion
7	IUC	July 22 2024, Kaipul	volleyball competition ( 13 MP
			1
			Narmadapuram)

			* Highest marks in Health & hygiene (Bhopal Group)
10	National Camp Representation "Advance Leadership Camp"	July 10 <sup>th</sup> 2024  Rourkela, Odhisha	Achievements:  *Silver medal at the advanced leadership camp in Extempore speech competition on July 13 <sup>th</sup> 2024  *Organized NCC group level anchoring on NCC Day on November 21 <sup>st</sup> 2024, at Shaurya Shamrk

#### 11. Significant events conducted

S.No.	Name of Events	Date of Events	Brief Details of Activity Conducted
1	Sawachhata Hi Seva 2024	20 <sup>th</sup> September 2024	All the students and faculty together organized a one-day drive to clean classrooms, laboratories, corridors, gardens, common areas, and the university campus and took a pledge on Sawachhata Hi Seva in order to remain committed towards cleanliness and devote time to it.

#### 12. Research Activities

#### A. Research Papers and Review Published:

- 1. Majumdar M, Arya R, Sahu SP, Tiwari A and Kim JJ (2025) Assessment of Genetic Diversity by Morphological, Biochemical, and Molecular Markers in *Gloriosa superba* Ecotypes Collected from Different Agro-Climatic Zones in India. Horticulturae, 11, 723. <a href="https://doi.org/10.3390/horticulturae11070723">https://doi.org/10.3390/horticulturae11070723</a> Impact Factor: 3.2
- 2. Katu Y M, Jain R., A Theoretical review and molecular docking study of *Sphaeranthus amaranthoides*. International Journal of Pharmaceutical Quality Assurance. 2024, 15(1): 1-5 (SJR, UGC)
- 3. Rajput D, Mani A and Majumdar M., Phytochemical and Antimicrobial Assessment of Ethanolic and Aqueous Extracts from *Musa acuminata* Peels. IOSR Journal of Pharmacy and Biological Sciences. 20(3): p ISSN: 2319-7676
- 4. Pathak A, Jain R., Excellent antimicrobial and antibiofilm effect of herbal extracts on plaque colonizers and caries inhabitants: an *invitro* study. Journal of Scientific & Industrial Research. 2024, 83: 511-516 Impact Factor:0.8

- 5. Poorna Harika V, Jain R., Biomarker landscape of mycosis on mucromycosis. International Journal of Pharmaceutical Sciences and Research. 2024, 15(8):2210-21. UGC Care
- 6. Khare A, Jain R. L- Arginase: an enzyme of therapeutic and biomedical importance. SCOPE. 2024, 14 (1): 1212-1230.
- 7. Goswami, Savarna1; Narang, Anu1; Singh, Santosh K.1; Nim, Samriddhi2; Sinhmar, Khushboo2; Jain, R. Analysis of Different Irrigant Activation Methods on Elimination of Intra-Root Canal Enterococcus Faecalis with Sodium Hypochlorite: An In vitro Study. Journal of Pharmacy and Bioallied Sciences 17(1):p S558-S560, May 2025. | DOI: 10.4103/jpbs.jpbs\_249\_25 Impact Factor:0.7

#### **Book Chapter**

8. Agnihotri T.G., **Jain R**., Naga V.R., Pratiksha J., Gomte, S.S., Jain A. Protein and peptide delivery through chitin, chitosan, and starch. In. Peptide and Protein Drug Delivery Using Polysaccharides. Jain A. and Malik S. (eds), Elsevier, 2024 Jan pp 169-196.

#### C. <u>Dissertation Guided</u>

#### M.Sc. Dissertations

- 1. Bioactive potential of Tridax procumbens extract and its nanoparticles by Ms Khushi Mishra, Department of Biotechnology & Microbiology, CSRD, People's University, Bhopal (2024) Supervisor: Dr. Richa Jain
- 2. Isolation of Thermophilic Amylase-Producing Bacteria from Hot Spring (Anhoni), by Priyanshi Sharma, Department of Microbiology, Pagya Sagar College, Pachore (2025). Supervisor: Dr. Abin Mani
- 3. Anti –Bacterial Activity of Butea Monosperma and Syzygium Cumini Against Clinical Bacterial Isolates by Ms Sandhya Yadav, Department of Microbiology, Pagya Sagar College, Pachore (2025). Supervisor: Dr. Abin Mani
- 4. Investigation of Trichoderma Species for Control of Phytopathogenic Fungi and Their Mechanism of Action by Mr. Ritesh Lodhi, Department of Microbiology, Pagya Sagar College, Pachore (2025). Supervisor: Dr. Abin Mani
- 5. Isolation of Fungi From Oil Seeds for Production of Hydrolytic Enzymes by Ms. Neha Khan, Department of Microbiology, Safia College (2025). Supervisor: Dr. Richa Jain
- 6. Study of Antimicrobial Properties of Fermented Fenugreek Seeds by Ms. Madiha Khan, Department of Microbiology, Safia College (2025). Supervisor: Dr. Richa Jain

#### **B.Sc. Projects (Final Year Projects)**

- 1. Study of Microplastic Leakage and Biofilm Formation on PETG Tooth Aligners by Ms. Aditi Kaushal, CSRD (2025), Supervisor: Dr. Richa Jain
- 2. Study bioactive potential of the combination of Triphala and Trikatu extract by Ms. Prashika Sharma, CSRD (2025), Supervisor: Dr. Richa Jain

- 3. Antimicrobial property of *Rosa indica* by Mohammed Faizan Sheikh, CSRD (2025), Supervisor: Dr. Richa Jain
- 4. Isolation of amylase-producing bacteria from soil by Ms. Suyashi Gupta, CSRD (2025), Supervisor: Dr. Abin Mani
- 5. Morphological and Biochemical Characterization of *Lathyrus sativus* L. genotypes for Yield and  $\beta$ -ODAP content by Ms. Manisha Sahu, CSRD (2025). Supervisor: Dr. Moumita Majumdar
- 6. Antibacterial activity of *Moringa oliefera* flower by Mr. Rishikesh Gupta, CSRD (2025). Supervisor: Dr. Prabhat Kumar Gupta.
- 7. Nucleotide Sequence Of *Elaeis Olefira* Metallothionein-like Protein (MET) encoding cDNA & 3-Dimensional structure prediction of the deduced protein by Mr. Rishi Nirwan, CSRD (2025). Supervisor: Dr. Shubhash J Bhore.
- 8. Evaluation of the antimicrobial property of *Anethum graveolence*. L (dill leaf) by Ms. Aarfa Siddique, CSRD (2025). Supervisor: Dr. Abin Mani.

#### Number of Internship/ Training: 12

PDA: 7 PCDS: 4 PCMS: 1

Amity University, Chhattisgarh: 05

#### **D.** Ongoing Project

S.No.	Title of Project	Funding Agency	Principal Investigator	Co- Investigator
1	A Community Intervention Feasibility Study for Risk Reduction of Anaemia and Malnutrition among Women, Adolescents and Children of Rural Settings through Integrated Food Fortification. Project (2020-3745) (Duration till May 2025).	Indian Council of Medical Research	Dr R. Gumashta	Dr Richa Jain, Dr Anil Kapoor, Dr Anju Kapoor

#### 13. Seminars/ Conferences attended:

S.No.	Title of Seminar/ Webinar/ Conference/ Workshop attended by Teacher	Name of Host Institution/University	Attended by	Date
1	Senior Scientist award for oral	BIRAC E-YUVA Centre and	Dr. Richa	Febru
1	presentation in an International	Department of	Jain	ary
	Conference, PRISM 2025	Biotechnology, Career		$12^{th}$ –
		College, Bhopal		13 <sup>th</sup>
				2025

2	Attended International Conference,	BIRAC E-YUVA Centre and	Dr. Prabhat	Febru
	PRISM 2025	Department of Biotechnology, Career	Mishra	ary 12 <sup>th</sup> –
		College, Bhopal		13 <sup>th</sup> 2025
3	Attended FDP on " Modern Characterization Techniques For Molecular Materials "	Malviya Mission Teacher Training Centre CS2- IISER Bhopal	Dr. Abin Mani	Febru ary 17 <sup>th</sup> - 22 <sup>nd</sup> 2025
4	Attended FDP on "Modern Characterization Techniques For Molecular Materials "	Malviya Mission Teacher Training Centre CS2- IISER Bhopal	Dr. Shikha Jain	Febru ary 17 <sup>th</sup> - 22 <sup>nd</sup> 2025
5	Attended FDP on "Modern Characterization Techniques For Molecular Materials "	Malviya Mission Teacher Training Centre CS2- IISER Bhopal	Dr. Moumita Majumdar	Febru ary 17 <sup>th</sup> - 22 <sup>nd</sup> 2025
6	Attended an online workshop on "Biomanufacturing of Monoclonal Antibodies"	Webinar Series on Biofoundry and the Initiative of the Department of Biotechnology, New Delhi.	Dr. Moumita Majumdar	Febru ary 11 <sup>th</sup> 2025

## 14. Workshops conducted

S. No.	Title of Workshop	Date	Coordinator/Resource Person	No. of Participants
1	Laboratory Biorisk Management Implementation and Needs of Institutions	September 27, 2024	Prof. Subhash J Bhore	35
2	Laboratory Biorisk Assessment	October 4, 2024	Prof. Subhash J Bhore	35
3	Laboratory Biorisk Mitigation and Performance Audit	October 11, 2024	Prof. Subhash J Bhore	35
4	Tools and Techniques in Molecular Biology	March 25 -28, 2025	Ph.D. Scholars from IISER, Bhopal	25
5	Computational Biology Workshop: Nucleic Acid and Protein Sequences Analysis	May 9 &10, 2025	Prof. Subhash J Bhore	41
6	Planning for Workshop on Employability and Career	May 16 <sup>th</sup> &	Mr. George Paul Placement Cell	25

	Readiness	17 <sup>th</sup> 2025	People's University	
7	Workshop on Scientific Writing Skills for Success	June 12 <sup>th</sup> - 14 <sup>th</sup> , 2025	Prof. Subhash J Bhore	30

### 15. Webinars & Conferences Conducted

S. No.	Title of Webinar/Conference	Date	Coordinator	No. of Registered Participants
1	International Webinar Series H5N1 360°: Connecting Global Expertise with Indian Professionals Webinar Series Webinar and Dialogue Session on H5N1: Current Status and Global Context	February 28 <sup>th</sup> 2025	Prof. Subhash J Bhore	345
2	Webinar and Dialogue Session on H5N1: Biosecurity Implementation for the Indian Context	March 12 <sup>th</sup> 2025	Prof. Subhash J Bhore	161
3	Webinar and Dialogue Session on <i>H5N1</i> : Vaccine Strategy and Distribution Note: Due to cybersecurity breach, program was aborted.	March 26 <sup>th</sup> 2025	Prof. Subhash J Bhore	141
4	Webinar and Dialogue Session on <i>H5N1</i> : One Health Approach for Indian Conditions	April 9 <sup>th</sup> 2025	Prof. Subhash J Bhore	151
5	Webinar and Dialogue Session on H5N1 360°: H5N1 Global Expert Panel: Analysis of Indian Case Studies with Experts from the USA, Jordan, and India	April 23 <sup>th</sup> 2025	Prof. Subhash J Bhore	95
6	Webinar and Dialogue Session on H5N1 360°: H5N1: Building India's Future Preparedness	May 14 <sup>th</sup> 2025	Prof. Subhash J Bhore	97

Some snaps of the program are as follows:



Workshop on Scientific Writing Skills for Success



Planning for Workshop on Employability and Career Readiness



Computational Biology Workshop: Nucleic Acid and Protein Sequences Analysis



Workshop on "Tools and Techniques in Molecular Biology"



Workshop on "Laboratory Biorisk Management Implementation and Needs of Institutions"





Workshop on "Laboratory Biorisk Assessment"

### 16. Guest lectures conducted

S.No	Name of Teacher	Title of Lectures	Name of Host Institution/University	Date (DD/MM/YYYY)
1	Dr. Preeti Chandurkar	Orientation programme for aspiring Entrepreneurs on "Overview of the BIRAC E-YUVA"	YUVA Centre, Career College,	March 21 <sup>st</sup> 2025

## 17. Webinars organized by students ("For students, By students" initiative of CSRD)

S. No.	Title of Webinar/Conference	Date	Organizing Committee Members	No. of Participants
1	Biotechnological Approaches for	May 17 <sup>th</sup> 2025	M.Sc. 2nd Year Ms. Akansha Lodhi. Ms.Priti Kushwah	101

Production through high density DH cultivation  Mr. Rishi Nirwan, Ms. Prashika Sharma Ms. Aditi Kaushal Ms. Suyashi Gupta  B.Sc. 3rd Year Mr. Rishikesh Gupta Md. Faizan Sheikh Ms. Manisha Sahu Ms. Adrafa Siddiqui B.Sc. 2nd Year Ms. Manisha Sahu Ms. Arafa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era:  Opportunities, Risks, and Safeguards  Mr. Rishi Nirwan, Ms. Prashika Sharma Ms. Suyashi Gupta  Ms. Paizan Sheikh Ms. Manisha Sahu Ms. Adrafa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi  Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan  Mr. Ashwin Indoxia		Enhancing Saffron		B.Sc. 3rd Year	
Towards Transformative Environmental Futures: People, Planet, and Purpose  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Ms. Aditi Kaushal Ms. Suyashi Gupta  Mr. Rishikesh Gupta Md. Faizan Sheikh Ms. Manisha Sahu Ms. Aarfa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi  Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Arya Vyas Ms. Paridhi Sharma Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan		Production through		Mr. Rishi Nirwan,	
Towards Transformative Environmental Futures: People, Planet, and Purpose  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Ms. Suyashi Gupta Mr. Rishikesh Gupta Md. Faizan Sheikh Ms. Manisha Sahu Ms. Aarfa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi  Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Urna Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan Ms. Rehema Khan		high density DH		Ms. Prashika Sharma	
Towards Transformative Environmental Futures: People, Planet, and Purpose  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Opportunities, Risks, and Safeguards  June 20th 2025  B.Sc. 3rd Year Mr. Rishikesh Gupta Md. Faizan Sheikh Ms. Manisha Sahu Ms. Aarfa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi  Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan Ms. Rehema Khan		cultivation		Ms. Aditi Kaushal	
Towards Transformative Environmental Futures: People, Planet, and Purpose  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Am. Rishikesh Gupta Md. Faizan Sheikh Ms. Manisha Sahu Ms. Aarfa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi   Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Paridhi Sharma Ms. Rehema Khan				Ms. Suyashi Gupta	
Towards Transformative Environmental Futures: People, Planet, and Purpose  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Amule State 2025  June 5th 2025  June 5th 2025  June 5th 2025  Md. Faizan Sheikh Ms. Manisha Sahu Ms. Aarfa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Sandhya Yadav Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan Ms. Rehema Khan				B.Sc. 3rd Year	
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Transformative Environmental Futures: People, Planet, and Purpose  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Ms. Manisha Sahu Ms. Aarfa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi  Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan		Towards		Md. Faizan Sheikh	
2 Environmental Futures: People, Planet, and Purpose  Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  June 5th 2025  June 5th 2025  Ms. Aarfa Siddiqui B.Sc. 2nd Year Ms. Muskan Chandrol B.Sc. 1st Year Ms. Shaista Hashmi  Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Paridhi Sharma Ms. Rehema Khan				Ms. Manisha Sahu	
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Planet, and Purpose  Bisotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Ms. Muskan Chandrol Bisc. 1st Year Ms. Shaista Hashmi  Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Paridhi Sharma Ms. Rehema Khan	2		June 5 <sup>th</sup> 2025	B.Sc. 2nd Year	91
Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan		-		Ms. Muskan Chandrol	
Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Ms. Priyanshi Sharma Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan  77		Planet, and Purpose		B.Sc. 1st Year	
Biotechnology for a Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Omega Argus (Poportunities)  Assume 20th 2025  June 20th 2025  Ms. Sandhya Yadav Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan				Ms. Shaista Hashmi	
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Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  June 20 <sup>th</sup> 2025  June 20 <sup>th</sup> 2025  Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan				Ms. Priyanshi Sharma	
Sustainable Future: Innovations in Bioplastic Production  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  June 20 <sup>th</sup> 2025  June 20 <sup>th</sup> 2025  Ms. Umra Jaan Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan		Biotechnology for a		Ms. Sandhya Yadav	
Innovations in Bioplastic Production  Mr. Ritesh Loddi Ms. Neha Khan Md. Arshan  Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  July 12 <sup>th</sup> 2025  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan		Sustainable Future:	I goth 2025	Ms. Umra Jaan	
Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan	3	Innovations in	June 20 <sup>th</sup> 2025	Mr. Ritesh Loddi	57
Biotechnology and Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Md. Arshan  Ms. Vanshika Trivedi Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan		Bioplastic Production		Ms. Neha Khan	
Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  July 12 <sup>th</sup> 2025  Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan				Md. Arshan	
Synthetic Biology in the Biosecurity Era: Opportunities, Risks, and Safeguards  Ms. Alisha Aslam Mr. Nityansh Patel Ms. Arya Vyas Ms. Paridhi Sharma Ms. Rehema Khan		Riotechnology and		Ma Vanahilaa Tuissadi	
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and Safeguards  Ms. Paridhi Sharma  Ms. Rehema Khan	4	=	July 12th 2025	•	77
Ms. Rehema Khan					
		and Bareguards			
Mr. Achwin Indorio				ivis. Relicilia Kilali	
From Lab to Public:		From Lab to Dublice		Mr. Ashwin Indoria	
Ms Pratvaksha Rhattachariee				Ms.Pratyaksha Bhattacharjee	
Navigating the  Communication  Navigating the  Ms. Diya Mary George				Ms. Diya Mary George	
5 Communication July 28 <sup>th</sup> 2025 Mr. Abhishek Kumar  44	5		July 28th 2025	Mr. Abhishek Kumar	44
Landscape of Ms. Prashansa Choudhary		•		Ms. Prashansa Choudhary	
Biotechnology Ms. Madhvi Raghuwanshi				Ms. Madhvi Raghuwanshi	
Innovations Trial		innovations		_	

## 18. Co-Curricular Activities conducted

Please see the following page





Fresher's Party

Winners of Suron ka Sartaj



Fresher's Party



Sawachha Bharat Pledge & Shramdan



**Annual Function** 



Farewell Program



**Sports Day** 



**Rangoli Competition** 



**Rangoli Competition** 

### 19. Celebration of various days

• World Environment Day (June 5<sup>th</sup> 2025)

Students' webinar "Towards Transformative Environmental Features: People, Planet and Purpose

### 20. Awards, Achievements

S.No.	Name of Student	Title of work	Date of Award	Awarding Institution
1	Ms. Shaista Hashmi, Ms. Anushka Uikey, Chehak Soni, Tanu Tripathi B.Sc. 1 <sup>st</sup> Year	2nd Prize in the Suro Ke Sartaaj 2.0 program organized by People's University.	June 18 <sup>th</sup> 2025	Music Club, People's University, Bhopal
2	Ms. Shaiasta Hashmi B.Sc. 1 <sup>st</sup> Year	Secured 1 <sup>st</sup> Prize in Bhartiya Sanskriti Gyan Parikshya	October 24 <sup>th</sup> 2024	Akhil Vishvya Gayatri Parivar, Shantikunj, Haridwar
3	Ms. Prashika Sharma B.Sc. 3 <sup>rd</sup> Year	Awarded with 2 <sup>nd</sup> prize as "Rising Star" in the student category for poster presentation at the 10 <sup>th</sup> International Conference "PRISM"	February 13 <sup>th</sup> 2025	Career College, Bhopal

4	Ms. Anushka Uikey B.Sc. 1 <sup>st</sup> Year	Player of the Match in the Cricket Match of Sports Day	April 9 <sup>th</sup> 2025	CSRD, People's University
5	1st Prize:  Ms. Prashika Sharma (B.Sc. 3rd Year) 2nd Prize: Suyashi Gupta (B.Sc. 3rd Year) 3rd Prize: Tanu Tripathi (B.Sc. 1st Year)	Online poster competition	September 20 <sup>th</sup> -30 <sup>th</sup> 2024	CSRD, People's University
6	1st Prize:  Ms. Manisha Sahu (B.Sc. 3rd Year)  Ms. Vidya Patle (B.Sc. 2nd Year)	Rangoli Competition	April 9 <sup>th</sup> 2025	CSRD, People's University
7	1 <sup>st</sup> Prize: Ms. Pratyakshya Bhattacharya (B.Sc. 2 <sup>nd</sup> Year)	Classical Dance in the Annual Function	April 12 <sup>th</sup> 2025	CSRD, People's University
8	1 <sup>st</sup> Prize: Ms Diya Mary George (B.Sc. 2 <sup>nd</sup> Year)	Ramp Walk in the Annual Function	12 <sup>th</sup> April 2025	CSRD, People's University