

**GOVT. HOLKAR (MODEL AUTONOMOUS)
SCIENCE COLLEGE, INDORE**



(An ISO 9001:2015 & ISO 14001:2015 Certified Institution)



SSR DOCUMENT

2017-18 to 2021-22

CRITERION -7

Institutional Values and Best Practices

Metric No. : 7.2.1

Document Title:

**B. Emancipation of Digital Transformation of
Education: Blending Pedagogy with Technology**

II. Evidence of use of Student Centric Method

तमसो मा ज्योतिर्गमय



Evidence of use of Student Centric Method

Content

S. No.	Detail	Page Number
1.	Evidence of use of Student Centric Method	1-61

EXTENSION AND OUTREACH PROGRAM

S. No	Component/Activities	Details
1	Name of the Department / Unit / Agency:	Microbiology
2	Name of the Activity:	One Day Workshop On “Conservation & Management of Wild Life”.
3	Name of the Scheme:	Workshop
4	Date and Year of the Activity:	26 September, 2022
5	Number of Students Participated in the activity:	130 Students & 20 Faculties
6	Report of the Activity (in 100 words):	<p>Department of Microbiology & Botany, Govt. Holkar Science College, Indore in collaboration with Kamla Nehru Zoo, Indore organized one day workshop on One Day Workshop On “Conservation & Management of Wild Life”. The program’s Convenor Dr. Sanjay Vyas conducted the program. Dr. Uttam Yadav, Director, Zoo were the key note speaker who gave a lecture on Zoo Management of Wild Life.</p> <p>The second speaker Dr. Shivani Bante, Veterinary officer from Mhow explained about the animal diseases, endoparasitic diseases and importance of botanical medicinal plants.</p> <p>After the guest lectures, Prof. Anuja Sharma, form Microbiology Department discussed Microbiological view of Zoo along with research prospects for microbiology students, followed by lecture of Prof. Purva Shrivastava, from Botany Department who discussed veterinary medicines in the use for treating animal diseases.</p> <p>Lastly Dr. Smita Dubey, Co-Convenor delivered the vote of thanks.</p>
7	Photo of Activity	



GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE (M.P.)
DEPARTMENT OF MICROBIOLOGY

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE
AND
KAMLA NEHRU ZOO,
Municipal Corporation, Indore
Organized
One Day Workshop
On
"Conservation & Management of Wild Life"
Date: 26/09/2022

S.N.	NAME	DEPARTMENT	MOBILE	SIGN
1	Dr. Kamla Chitambar	Botany	9826074220	K. Chitambar
2	Dr. Sanjeev G. Jaiswal	Botany	9406667854	S. Jaiswal
3	Prof. Sanika Jundale	Botany	9893243346	S. Jundale
4	Dr. Pramila Sodhar	Botany	9255282422	P. Sodhar
5	Dr. N.K. Jain	Botany	9926064860	N.K. Jain
6	Dr. Kirti Chavhan	Botany	911738055	K. Chavhan
7	Prof. Anshu Shrivastava	Botany	9829402323	A. Shrivastava
8	Dr. Babita Jengwar	Botany	8871145440	B. Jengwar
9	Dr. Harsha Hinge	Botany	8819030282	H. Hinge
10	Dr. Deepthi Khare	Microbiology	9981599969	D. Khare
11	Anuja Sharma	Microbiology	9425715397	A. Sharma
12	Dr. Neha Sharma	Microbiology	9933061612	N. Sharma
13	Dileep Jaiswal	Microbiology	9407060824	D. Jaiswal
14	Ranjana Prasad	Microbiology	9085799910	R. Prasad
15	Dr. Pallavi Ingole	Microbiology	9617229498	P. Ingole
16	Pooja Verma	Microbiology	9399211091	P. Verma
17	Nishi Kulkarni	Microbiology	9766616856	N. Kulkarni
18	Dr. Smita Dubey	Botany	9926895881	S. Dubey
19	Dr. Harsha Hinge	Botany	8819030282	H. Hinge
20	Dr. Sandhya Pathan	Botany	8827142002	S. Pathan
21	Dr. Pooja Chitambar	Botany	9405795221	P. Chitambar
22	Kuma Sharma	Botany	9893337942	K. Sharma
23	Dr. Priya Chavhan	Botany	9826077016	P. Chavhan
24	Ishti Sahu	Microbiology	7383871984	I. Sahu
25	Sakshi Sharma	Microbiology	6266978570	S. Sharma

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S.N.	NAME	DEPARTMENT	MOBILE	SIGN
26	Anusha Patel	Botany	9589034580	A. Patel
27	Amrit K. Pandey	Botany	9354296109	A. Pandey
28	Rajendra Daman	Botany	6263169468	R. Daman
29	Tilendra Verma	Botany	6261318690	T. Verma
30	Kapil Dangi	Botany	7354557860	K. Dangi
31	Praveen Keshari	Botany	6263717197	P. Keshari
32	Suman Thakur	Botany	9521426713	S. Thakur
33	Tarun Kanungo	Botany	7987024587	T. Kanungo
34	Lakshya Kumar	Botany	7777209820	L. Kumar
35	SACHIN KALI	Botany	9109857600	S. KALI
36	VISHAL WASKEL	Botany	9580391714	V. WASKEL
37	Prachi Poddar	Botany	8226017748	P. Poddar
38	Shivani Chauhan	Botany	8103924944	S. Chauhan
39	Niksha Yadav	Botany	8864865556	N. Yadav
40	Vaishna	Botany		V. Vaishna
41	JYOTI RAJPUT	MICROBIOLOGY	8462096180	J. RAJPUT
42	MUSKAN KHARUJE	MICROBIOLOGY	7974047627	M. KHARUJE
43	AKANKSHA VERMA	MICROBIOLOGY	845856064	A. VERMA
44	MONIKA SONI	MICROBIOLOGY	6266701827	M. SONI
45	SONALI GURJAR	MICROBIOLOGY	7693309575	S. GURJAR
46	BANMANA PATEL	MICROBIOLOGY	7000956119	B. PATEL
47	Harshita Soni	MICROBIOLOGY	6263294318	H. Soni
48	Vandana Sen	Microbiology	8770887073	V. Sen
49	Shweta Sharma	Microbiology	8269118910	S. Sharma
50	Sweeti Sharma	Microbiology	8839047117	S. Sharma

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One Day Workshop
On
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Date: 16/09/2022

S.N.	NAME	DEPARTMENT	MOBILE	SIGN
51	Shobha Smit	Microbiology	840211139	Shobha Smit
52	Sakshi Palankar	Microbiology	8439493044	Sakshi
53	Meha Kaur	Microbiology	913118620	Meha
54	Shivani Bawagi	Microbiology	86327635	Shivani
55	Madhubala Parmar	Microbiology	7899997644	Madhubala
56	Pratibha Solanki	Microbiology	317113426	Pratibha
57	Pratibha Fanchali	Microbiology	862858747	Pratibha Fanchali
58	Rini More	Microbiology	797388673	Rini
59	Deepali Bhakod	Microbiology	6266950787	Deepali
60	Shanti Pali	Microbiology	7067412443	Shanti
61	Shivani Bhat	Microbiology	7898672907	Shivani
62	Rishi Bhargava	Microbiology	7223050764	Rishi
63	Shraddha Khat	Microbiology	9755531281	Shraddha
64	Neha Gaud	Microbiology	9755633001	Neha
65	Abhishek Thakur	Microbiology	8126003623	Abhishek
66	Suman Kumar Jaiswal	Microbiology	8883770612	Suman
67	Sachin Kumar	Microbiology	311351475	Sachin
68	Pratibha Solanki	Microbiology	3105528581	Pratibha
69	Pratibha Solanki	Microbiology	7415088350	Pratibha
70	Pratibha Solanki	Microbiology	6266950787	Pratibha
71	Pratibha Solanki	Microbiology	7067412443	Pratibha
72	Pratibha Solanki	Microbiology	7898672907	Pratibha
73	Pratibha Solanki	Microbiology	7223050764	Pratibha
74	Pratibha Solanki	Microbiology	9755531281	Pratibha
75	Pratibha Solanki	Microbiology	9755633001	Pratibha

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S.N.	NAME	DEPARTMENT	MOBILE	SIGN
76	Krunal Bhatnagar	Microbiology	7940647425	Krunal
77	Pratibha Solanki	Microbiology	317113426	Pratibha
78	Pratibha Solanki	Microbiology	7415088350	Pratibha
79	Pratibha Solanki	Microbiology	6266950787	Pratibha
80	Pratibha Solanki	Microbiology	7067412443	Pratibha
81	Pratibha Solanki	Microbiology	7898672907	Pratibha
82	Pratibha Solanki	Microbiology	7223050764	Pratibha
83	Pratibha Solanki	Microbiology	9755531281	Pratibha
84	Pratibha Solanki	Microbiology	9755633001	Pratibha
85	Pratibha Solanki	Microbiology	8126003623	Pratibha
86	Pratibha Solanki	Microbiology	8883770612	Pratibha
87	Pratibha Solanki	Microbiology	311351475	Pratibha
88	Pratibha Solanki	Microbiology	3105528581	Pratibha
89	Pratibha Solanki	Microbiology	7415088350	Pratibha
90	Pratibha Solanki	Microbiology	6266950787	Pratibha
91	Pratibha Solanki	Microbiology	7067412443	Pratibha
92	Pratibha Solanki	Microbiology	7898672907	Pratibha
93	Pratibha Solanki	Microbiology	7223050764	Pratibha
94	Pratibha Solanki	Microbiology	9755531281	Pratibha
95	Pratibha Solanki	Microbiology	9755633001	Pratibha
96	Pratibha Solanki	Microbiology	8126003623	Pratibha
97	Pratibha Solanki	Microbiology	8883770612	Pratibha
98	Pratibha Solanki	Microbiology	311351475	Pratibha
99	Pratibha Solanki	Microbiology	3105528581	Pratibha
100	Pratibha Solanki	Microbiology	7415088350	Pratibha

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S.N.	NAME	DEPARTMENT	MOBILE	SIGN
101	Pratibha Solanki	Microbiology	6266950787	Pratibha
102	Pratibha Solanki	Microbiology	7067412443	Pratibha
103	Pratibha Solanki	Microbiology	7898672907	Pratibha
104	Pratibha Solanki	Microbiology	7223050764	Pratibha
105	Pratibha Solanki	Microbiology	9755531281	Pratibha
106	Pratibha Solanki	Microbiology	9755633001	Pratibha
107	Pratibha Solanki	Microbiology	8126003623	Pratibha
108	Pratibha Solanki	Microbiology	8883770612	Pratibha
109	Pratibha Solanki	Microbiology	311351475	Pratibha
110	Pratibha Solanki	Microbiology	3105528581	Pratibha
111	Pratibha Solanki	Microbiology	7415088350	Pratibha
112	Pratibha Solanki	Microbiology	6266950787	Pratibha
113	Pratibha Solanki	Microbiology	7067412443	Pratibha
114	Pratibha Solanki	Microbiology	7898672907	Pratibha
115	Pratibha Solanki	Microbiology	7223050764	Pratibha
116	Pratibha Solanki	Microbiology	9755531281	Pratibha
117	Pratibha Solanki	Microbiology	9755633001	Pratibha
118	Pratibha Solanki	Microbiology	8126003623	Pratibha
119	Pratibha Solanki	Microbiology	8883770612	Pratibha
120	Pratibha Solanki	Microbiology	311351475	Pratibha
121	Pratibha Solanki	Microbiology	3105528581	Pratibha
122	Pratibha Solanki	Microbiology	7415088350	Pratibha
123	Pratibha Solanki	Microbiology	6266950787	Pratibha
124	Pratibha Solanki	Microbiology	7067412443	Pratibha
125	Pratibha Solanki	Microbiology	7898672907	Pratibha

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S.N.	NAME	DEPARTMENT	REGIDLE	SIGN
126	Shekhar Tawar	Botany	82032000	STAC
127	Shubham Baurani	Botany	788068658	
128	Mangal Singh	Botany	747069502	
129	Darshini Singh	Botany	783474530	
130	Shruti Singh	Botany		
131	Mukesh Wadhwa	Botany	6266040474	
132	Ramkumar Kachhawa	Botany	788639081	
133	Kamlesh Singh	Botany	6265119435	
134	Vishal Vats	Microbiology	946300040	
135	Ashu Shankar	Microbiology	758704812	
136	Gajendra Kulkarni	Microbiology	6222454313	
137	Vishal Tandon	Microbiology	7631088311	
138	Nandani Singh	Microbiology	820507880	
139	Ali Rana	Microbiology	10878858	
140	Fazal Khan	Microbiology	7824014601	
141	Shruti Kanwar	Microbiology	8225348210	
142	Sakshi Yadav	Botany	954666031	
143	Shivani Yadav	Botany	7828937110	
144	Sham Mahiya	Botany	910101333	
145	Tanvi Chopra	Microbiology	3165107513	
146	Rishi Rishi	Microbiology	930076949	
147	Nandini Kulkarni	Botany	7725618558	
148	Shekhar Kulkarni	Botany	8108009203	
149	Manisha Patel	Botany	3175491107	
150	Manisha Patel	Botany	5102404973	

9

Feedback form

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE
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26/09/2022

FEEDBACK FORM

Name : Dr. N.K. Jain
Institute : Holkar Science College Indore
Contact No. : 9726064840
Category : Student/Faculty/Resource Person

Please indicate the extent to which you agree or disagree with the following statements. Please Tick (✓)

S. N.	Statements	Strongly Agree	Agree	Disagree
1	The workshop was well organized.	✓		
2	The speakers made good use of the time allotted.	✓		
3	Theme of the workshop was effective and helping us to learn about wild life management.		✓	
4	The teaching/practical methods used were appropriate for the audience.		✓	
5	I enjoyed the workshop; content of the presentation was excellent.		✓	
6	I understood the concepts as presented in the workshop.	✓		
7	The workshop improved my understanding of the topic.		✓	
8	The workshop improved my ability to utilize skills related to the topic.		✓	
9	The knowledge and skills, I learned will be useful to me in my career.		✓	
10	I would attend other workshop offered by this institute & department.	✓		

Suggestions (if any) : Conservation & wild life management can be included as a subject paper in VU/M.

Date : 26/09/22 Signature : Dr. N.K. Jain

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COLLEGE, INDORE
AND
KAMLA NEHRU ZOO,
Municipal Corporation, Indore**
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"Conservation & Management of Wild Life"
26/09/2022


FEEDBACK FORM

Name : Pallvee Kardikey
Institute : Holkar Science College Indore
Contact No. : 6267877187
Category : Student/Faculty/Resource Person.

Please indicate the extent to which you agree or disagree with the following statements. Please Tick (✓)

S. N.	Statements	Strongly Agree	Agree	Disagree
1	The workshop was well organized.	✓		
2	The speakers made good use of the time allotted.		✓	
3	Theme of the workshop was effective and helping us to learn about wild life management.		✓	
4	The teaching/practical methods used were appropriate for the audience.		✓	
5	I enjoyed the workshop, content of the presentation was excellent.		✓	
6	I understood the concepts as presented in the workshop.		✓	
7	The workshop improved my understanding of the topic.		✓	
8	The workshop improved my ability to utilize skills related to the topic.		✓	
9	The knowledge and skills, I learned will be useful to me in my carrier.	✓		
10	I would attend other workshop offered by this institute & department.	✓		

Suggestions (if any) :

Date : 26/09/22 Signature: 

Signature of Activity In charge


Dr. Deepti Khare

Prof. Anuja Sharma



Dr. Sanjay Vyas
Prof. & Head
Department of Microbiology

Educational Tour 2022-23

S. No	Component/Activities	Details
1.	Name of the Department / Unit / Agency:	Department of Biotechnology & Bioinformatics
2.	Name of the Activity:	Educational Tour
3.	Name of the Scheme:	
4.	Date and Year of the Activity:	14/11/2022
5.	Number of Students Participated in the activity:	59
6.	Activity Photographs	
		
7.	Report of the Activity (in 100 words):	
	<p>An Educational Tour organized by the Department of Biotechnology at CSIR- AMPRI Bhopal, MP to attend a one-day workshop on “Workshop and Training on Advanced Material for Biomedical Engineering Applications”. Dr Mohammed Akram Khan, Chief Scientist, CSIR-AMPRI, Bhopal, introduce their staff and the organization. Brief introduction of the programme was given by Dr. J. P. Shukla, Senior Principal Scientist Coordinator, CSIR- Integrated Skill Initiative Program. After this, a lecture on “Animal Cell Culture” was presented by Dr. Richa Jain, Senior Scientist, People’s University Bhopal. Then a lecture was given by Dr Chetana Dhand, Senior Scientist, CSIR-AMPRI, Program Coordinator, on “Nano- Enabled Antimicrobial Solutions for Infection Control and Management”, and Dr T.S. Shabi, Scientist, CSIR-AMPRI, shared his precious knowledge on “Radiation Shielding Materials for Healthcare Applications”. Next Dr Deepti Mishra, Senior Principal Scientist CSIR-AMPRI, Bhopal, delivered her lecture on “Development of Geopolymer Based Nano Composites for Corrosion Protection and Antibacterial Coating Application”. Student and faculty of our college visited laboratories of CSIR-AMPRI. We were overwhelmed by the warmth and cooperation of the eminent scientist of CSIR-AMPRI, Bhopal.</p>	

List Of Participants

14/11/22

GOVERNMENT HOLKAR SCIENCE COLLEGE, INDORE						
DEPARTMENT OF BIOTECHNOLOGY						
INDUSTRIAL VISIT- M.Sc. I FINAL 3 YEAR SEM-III						
VISIT DATE: 14 NOV, 2022						
S.No.	Name of Student	Contact No.	Time-In	Time-Out	Signature	Remarks
1	AARTI SANWAR	6065168585	5:30 AM	10:10 AM		
2	AASHI TYAGI	7999791266				
3	AKANSHA GARG	9630894722				
4	AKANSHA THANA	8109182621				
5	ALIYA AKHTAR	8932014820				
6	ALPNA MINJ	7692091697				
7	ANAMIKA SOLANKI	7224802114				
8	ANIRBAN BISWAS					
9	ANJALI SISODIYA	8770340645				
10	ANSHIKA SHARMA	8770247310				
11	ARPITA MISHRA	7987841341				
12	ARPANA PATKAR ARPANA	6269432145				
13	ARZOO SHRIVASTAV	7024392135				
14	AYUSH PATIDAR	7691942552				
15	DEEKSHA	7000187726				
16	DIVYA SHARMA					
17	EKTA PATIDAR					
18	HARSHITA PUNASIYA	6261345772				
19	JATIN RAJORIYA					
20	KAJAL PANWAR					
21	KOSHYA RAWAT	9109691626				
22	LEELA DODWA	6265246638				
23	LILY DHUMKETI	9340152114				
24	MAHMA TANWAR	9516381865				
25	MANSI JOGI	9179333003				
26	MANSI SUPAT	6261779422				
27	MINAKSHEE GUPTA	7073365281				
28	MUGDHA KHANDLWAL	9588938246				
29	MUKESH KUMBHAR	7049331334				
30	MUSKAN MALVIYA	6266861060				
31	NEHA YADAV	8905516259				
32	NIHARIKA BHAWSAR	9165880062				
33	NIHARIKA GUPTA	738984406				
34	NIKITA KUKANDA	6261613611				
35	NIKITA SHARMA	8085394975				
36	PALAK BAISEN	6265240868				
37	PALLAVI PRAJAPAT	6265978931				
38	PAYAL GOYAL					
39	PINKY RATHOR	7566399342				
40	POOJA PANDEY	9755635792				
41	PRAMEDHA KAMPLIKAR	9691066767				
42	PRITI ANKEL	7089020012				
43	PRIYA RUHARA	7073299100				
44	RAVIRAJ MARKAM	8275067112				
45	RISHIKA PATIDAR	6261366106				
46	RUPALI CHOUHAN	7067213900				
47	SACHIN CHOUHAN	9165285003				
48	SAJAL GUPTA	9340187566				
49	SANSKRITI	9826206857				
50	SHEETAL JADHAV	9098186718				
51	SHEETAL VERMA	7610526357				
52	SHIKHA BHAGAT	9669724496				
53	SHIVANI GOYAL	9669760168				
54	SHIVANI PATIDAR	7914234807				
55	SHIVANI UIKEY					
56	SIMARAN AMERIYA	6264577017				
57	SIMRAN MALVIYA	7873781112				
58	SONAMMISHRA	6265882807				
59	SURBHI PARMAR					
60	UDDYESHYA					
61	VAIDAH MAHESHWARI	9407278251				
62	VAISHNAVI PATIDAR	7067145989				

Saloni Nalavariy
Teena Sharma
meenakshi punasiya
Simran Paruta

Saloni
Teena
Simran



CSIR-Advanced Materials and Processes Research Institute (AMPRI), Bhopal

Dr. Avanish Kumar Srivastava
Director, CSIR-AMPRI

Workshop And Training On Advanced Materials For Biomedical Engineering Applications
One Day Workshop

Eminent Speakers & Organizers

 Dr. J.P. Shukla (Senior Principal Scientist) Coordinator, Integrated Skill Initiative Program CSIR	 Dr. Mohd. Akram Khan (Chief Scientist) Chairman	 Dr. Chetna Dhand (Senior Scientist) Program Coordinator & Speaker
 Dr. Deepti Mishra (Senior Principal Scientist) Speaker	 Dr. Richa Jain (Senior Scientist) People's University Invited Speaker	 Dr. T.S. Shabi (Scientist)

GPS Map Came

Bhopal, Madhya Pradesh, India

6C5V+CVJ Meet, Regional Research Laboratory Campus
 Habib Ganj, Bhopal, Madhya Pradesh 462024, India
 Lat 23.208674°
 Long 77.444918°
 14/11/22 02:17 PM GMT +05:30





Internship Programme

S.No.	Component Activities	Details																																
01	Name of the Department	Department of Chemistry																																
02	Name of Activity	Internship Training																																
03	Name of the Scheme	Chem-informatics & Biophysical Techniques																																
04	Date of the year of activity	01 Feb to 12 Feb 2019 (Batch-A) & 2019																																
05	Number and year of the activity	100 and year 2019																																
06	Report of the activity	<p>Department of Chemistry every year organizes Internship Programme for M.Sc. Final students.</p> <p>The aim of this Internship is to update M.Sc. students with industrial knowledge apart from their theoretical knowledge. The Internship programme was conducted from 06th Feb to 17th Feb 2019. The eminent speakers were invited from several colleges & institutions to highlight instrumentation techniques. Students were updated from theoretical as well as practical front also.</p> <p>HPLC, UV, IR, FTIR, Gas Chromatography, Atomic Absorption Spectroscopy were the field he updated the M.Sc. students.</p> <p>Topics for project related to above techniques were given to the students for Internship. They were evaluated for their project work based on Internship.</p>																																
07	List of participants	<p>Registered Students List for Internship Training Programme, 01 Feb to 12 Feb 2019</p> <table><tr><th>S.No.</th><th>Name of Students</th><th>Department</th><th>Alloted Project</th></tr><tr><td>1</td><td>Aastha Mandlik</td><td>Chemistry</td><td>UV Visible spectroscopy</td></tr><tr><td>2</td><td>Mohit Patidar</td><td>Chemistry</td><td>FTIR</td></tr><tr><td>3</td><td>Himanshi Patel</td><td>Chemistry</td><td>HPLC</td></tr><tr><td>4</td><td>Nikita Yadav</td><td>Chemistry</td><td>CADD</td></tr><tr><td>5</td><td>Aqsa Ansari</td><td>Chemistry</td><td>QSAR</td></tr><tr><td>6</td><td>Namrata Kumrawat</td><td>Chemistry</td><td>Error and data analysis</td></tr><tr><td>7</td><td>Iftsam</td><td>Chemistry</td><td>Types of Research</td></tr></table>	S.No.	Name of Students	Department	Alloted Project	1	Aastha Mandlik	Chemistry	UV Visible spectroscopy	2	Mohit Patidar	Chemistry	FTIR	3	Himanshi Patel	Chemistry	HPLC	4	Nikita Yadav	Chemistry	CADD	5	Aqsa Ansari	Chemistry	QSAR	6	Namrata Kumrawat	Chemistry	Error and data analysis	7	Iftsam	Chemistry	Types of Research
S.No.	Name of Students	Department	Alloted Project																															
1	Aastha Mandlik	Chemistry	UV Visible spectroscopy																															
2	Mohit Patidar	Chemistry	FTIR																															
3	Himanshi Patel	Chemistry	HPLC																															
4	Nikita Yadav	Chemistry	CADD																															
5	Aqsa Ansari	Chemistry	QSAR																															
6	Namrata Kumrawat	Chemistry	Error and data analysis																															
7	Iftsam	Chemistry	Types of Research																															

			methodology
8	Pallavi Katare	Chemistry	Data Mining
9	Kalpana Patidar	Chemistry	Protein Separation and purification & characterization
10	Vaishali Ghavri	Chemistry	Protein Sequencing and application
11	Bharti Masre	Chemistry	Three dimensional structure of protein
12	Vijiya Thakur	Chemistry	Protein Binding to ligands : Myoglobin
13	Bhavana Gangle	Chemistry	Protein Binding to ligands : Haemoglobin
14	Akash Tripathi	Chemistry	Homology modelling
15	Rajni Pal	Chemistry	Protein threading
16	Madhu Patel	Chemistry	Protein Primary Database
17	Pooja Pal	Chemistry	Secondary Database of Protein
18	Jagrati Verma	Chemistry	Fat soluble, Vitamins and biological importance
19	Deepika Maurya	Chemistry	Water soluble, Vitamins and biological importance
20	Sakshi Pare	Chemistry	Carbohydrates: Structure & function
21	Sarika Singh	Chemistry	Non-steroidal Hormones
22	Deepak Maurya	Chemistry	UV Visible spectroscopy
23	Akanksha Shrivastava	Chemistry	FTIR
24	Rahul Waskale	Chemistry	HPLC
25	Kamlesh Verma	Chemistry	CADD
26	Nikita Dhurve	Chemistry	QSAR
27	Aayushi Patidar	Chemistry	Error and data analysis
28	Deepali Patidar	Chemistry	Types of Research methodology
29	Rupali Verma	Chemistry	Data Mining
30	Aditi Jain	Chemistry	Protein Separation and purification & characterization
31	Sanskriti Verma	Chemistry	Protein Sequencing and application
32	Rupali Patel	Chemistry	Three dimensional structure of protein

		33	Shubham Rathod	Chemistry	Protein Binding to ligands : Myoglobin
		34	Tasmiya Ahmed	Biotechnology	Plant tissue culture technique
		35	Nileshwari Patidar	Biotechnology	Adrenal cortical Hormones
		36	Bhavna Prakash	Biotechnology	Tertiary Database of protein
		37	Parly Gupta	Biotechnology	Nucleotide Database
		38	Roshni Birla	Biotechnology	HIV Database
		39	Rahul Chourasia	Biotechnology	NMR Spectroscopy
		40	Shanu Mandloi	Biotechnology	Cryo electron microscopy
		41	Omprakash Nagar	Biotechnology	3D structure prediction tool : Modeller
		42	Balwant Sitole	Biotechnology	X Ray crystallography
		43	Sakshi Thoukar	Biotechnology	Diabetes Mellitus
		44	Nirmal Modi	Biotechnology	3D structure prediction tool : Swiss Model
		45	Nisha Singh	Biotechnology	Retinoblastoma
		46	Swati Shukla	Biotechnology	Seed Database
		47	Priyanka Biswas	Biotechnology	Drug database
		48	Sitara	pharmaceutical	UV Visible spectroscopy
		49	Shubham Lobaniya	pharmaceutical	Error and data analysis
		50	Jay Hardiya	pharmaceutical	HPLC
		51	Aayushi Sharma	pharmaceutical	Carbohydrates: Structure & function
		52	Vidhya Chamyal	pharmaceutical	FTIR
		53	Pranjali Choudhary	pharmaceutical	UV Visible spectroscopy
		54	Sapna Yadav	pharmaceutical	QSAR
		55	Shivraj Kumhar	pharmaceutical	Plant tissue culture technique
		56	Swati Tiwari	pharmaceutical	NMR Spectroscopy
		57	Preeti Patidar	pharmaceutical	FTIR
		58	Ashok Kumar	pharmaceutical	Carbohydrates: Structure & function
		59	Vikalp Sisodiya	pharmaceutical	Water soluble, Vitamins and biological importance
		60	Megha Kaushal	pharmaceutical	HPLC
		61	Vishnu Prasad	pharmaceutical	Plant tissue culture technique
		62	Ambar Nakswal	pharmaceutical	UV Visible spectroscopy
		63	Rupali Hardia	pharmaceutical	HPLC

		64	Sheetal Dodwa	Chemistry	UV Visible spectroscopy
		65	Payal Verma	Chemistry	FTIR
		66	Nirmala Chouhan	Chemistry	HPLC
		67	Renuka Ostwal	Chemistry	CADD
		68	Gayatri Chouhan	Chemistry	QSAR
		69	Ashvini Amolkar	Chemistry	Error and data analysis
		70	Ankita Bholsle	Chemistry	Types of Research methodology
		71	Uma Mehar	Chemistry	Data Mining
		72	Nikki Gupta	Chemistry	Protein Separation and purification & characterization
		73	Sapna Bharti	Chemistry	Protein Sequencing and application
		74	Aishwarya Bhawsar	Chemistry	Three dimensional structure of protein
		75	Raksha Patidar	Chemistry	Protein Binding to ligands : Myoglobin
		76	Deepika Karma	Chemistry	Protein Binding to ligands : Haemoglobin
		77	Diksha Banodha	Chemistry	Homology modelling
		78	Maya Chouhan	Chemistry	Protein threading
		79	Maya Mandloi	Chemistry	Protein Primary Database
		80	Roshani Bhosle	Chemistry	Secondary Database of Protein
		81	Jyoti Rane	Chemistry	Fat soluble, Vitamins and biological importance
		82	Divya Joshi	Chemistry	Water soluble, Vitamins and biological importance
		83	Priya Nagar	Chemistry	Carbohydrates: Structure & function
		84	Aditi Kumawat	Chemistry	UV Visible spectroscopy
		85	Monika Borade	Chemistry	FTIR
		86	Roshani Mukati	Chemistry	HPLC
		87	Pragya Randwa	Chemistry	CADD
		88	Sonam Tiwari	Chemistry	QSAR
		89	Kamini Badole	Chemistry	Error and data analysis
		90	Varsha Lacheta	Chemistry	Research methodology
		91	Nargis Aalam	Chemistry	Data Mining
		92	Shraddha Agrawal	Chemistry	Protein Separation and purification &

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		93	Neha Patel	Chemistry	Protein Sequencing and application
		94	Sakshi Rawal	Chemistry	Three dimensional structure of protein
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		96	Dimpal Gupta	Chemistry	Protein Binding to ligands : Haemoglobin
		97	Kiran Benal	Chemistry	Homology modelling
		98	Vishu Nath	Chemistry	Protein threading
		99	Minakshi Patidar	Chemistry	Protein Primary Database
		100	Gayatri Mishra	Chemistry	

Internship Programme


S.No.	Component Activities	Details									
01	Name of the Department	Department of Chemistry									
02	Name of Activity	Extension Activity									
03	Name of the Scheme	Internship Training Programme									
04	Date of the year of activity	03 March to 13 March 2021 (Batch-A) & 2021									
05	Number and year of the activity	47 and year 2021									
06	Report of the activity	<p>Department of Chemistry every year organizes Internship Programme for M.Sc. Final students. The aim of this Internship is to update M.Sc. students with industrial knowledge apart from their theoretical knowledge. The Internship programme was conducted from 03rd March to 13th March 2021. The eminent speakers were invited from several colleges & institutions to highlight instrumentation techniques. Students were updated from theoretical as well as practical front also.</p> <p>HPLC, UV, IR, FTIR, Gas Chromatography, Atomic Absorption Spectroscopy were the field he updated the M.Sc. students.</p> <p>Topics for project related to above techniques were given to the students for Internship. They were evaluated for their project work based on Internship.</p>									
07	Photo of activity										
08	List of participants	<table border="1"> <thead> <tr> <th>S.No.</th><th>Student Name</th><th>Subject</th></tr> </thead> <tbody> <tr> <td>1</td><td>Shreta Singh</td><td>Chemistry</td></tr> <tr> <td>2</td><td>Rituraj Gupta</td><td>Chemistry</td></tr> </tbody> </table>	S.No.	Student Name	Subject	1	Shreta Singh	Chemistry	2	Rituraj Gupta	Chemistry
S.No.	Student Name	Subject									
1	Shreta Singh	Chemistry									
2	Rituraj Gupta	Chemistry									

		3	Aditi Hardiya	Chemistry
		4	Khushboo Sharma	Chemistry
		5	Rajrani Dhurve	Chemistry
		6	Mohan Ningwal	Chemistry
		7	Sharmila Dawar	Chemistry
		8	Kajal Tiwari	Chemistry
		9	Kajal Pawar	Chemistry
		10	Nehal Patidar	Chemistry
		11	Neetu Morya	Chemistry
		12	Vijay Kumar	Chemistry
		13	Akhsita Dubey	Chemistry
		14	Teena Waskel	Chemistry
		15	Sadhana Dhangar	Chemistry
		16	Monika	Chemistry
		17	Muskan Upadhyay	Chemistry
		18	Shivani Mukati	Chemistry
		19	Rohit Patel	Chemistry
		20	Vanshika Mehta	Chemistry
		21	Yashi Surothiya	Chemistry
		22	Surbhi Dubey	Chemistry
		23	Trishala Omre	Chemistry
		24	Mukesh Vasuniya	Chemistry
		25	Payal Birla	Chemistry
		26	Mansi Chourasia	Chemistry
		27	Kirti Tiwari	Chemistry
		28	Vaishali Pal	Chemistry
		33	Manisha Rathore	Chemistry
		34	Anushka Namdev	Chemistry
		35	Jyoti Giri	Chemistry
		36	Sakshi Puranik	Chemistry
		37	Shubham Sharma	Chemistry
		38	Aman Joshi	Chemistry
		39	Pradeep Chouhan	Chemistry

		40	Nikhil Nayak	Chemistry
		44	Bhanumati Muniya	Chemistry
		46	Sanat Chhalotre	Chemistry
		48	Vinod Mandloi	Chemistry
		49	Tohsif Khan	Chemistry
		50	Neha Tiwari	Chemistry
		51	Rakhi Mandloi	Chemistry
		52	Shubham Sahu	Chemistry
		53	Sonal Verma	Chemistry
		54	BhagyashreeVishwakarma	Chemistry
		55	Himansha Kumawat	Chemistry
		56	Swati Mukati	Chemistry
		57	Sachin Kumar Mishra	Chemistry
		58	Agnishika	Chemistry
		59	Pooja Patidar	Chemistry
		60	Nikita Yadav	Chemistry
		61	Akansha Shrivastava	Chemistry
		29	Omkar Dangi	Forensic Science
		30	Anupama Jain	Forensic Science
		31	Pooja Dixit	Forensic Science
		32	Abhishek Joshi	Forensic Science
		41	Amrita Udaypuriya	Forensic Science
		42	Ranju Solanki	Forensic Science
		43	Neetu Goyal	Forensic Science
		45	Shanu Bhargava	Forensic Science
		47	Pragati Yadav	Forensic Science

Internship Programme

S.No.	Component Activities	Details																																	
01	Name of the Department	Department of Chemistry																																	
02	Name of Activity	Internship Training																																	
03	Name of the Scheme	Chem-informatics & Biophysical Techniques																																	
04	Date of the year of activity	06 Feb to 17 Feb 2019 (Batch-B) & 2019																																	
05	Number and year of the activity	47 and year 2019																																	
06	Report of the activity	<p>Department of Chemistry every year organizes Internship Programme for M.Sc. Final students.</p> <p>The aim of this Internship is to update M.Sc. students with industrial knowledge apart from their theoretical knowledge. The Internship programme was conducted from 06th Feb to 17th Feb 2019. The eminent speakers were invited from several colleges & institutions to highlight instrumentation techniques. Students were updated from theoretical as well as practical front also.</p> <p>HPLC, UV, IR, FTIR, Gas Chromatography, Atomic Absorption Spectroscopy were the field he updated the M.Sc. students.</p> <p>Topics for project related to above techniques were given to the students for Internship. They were evaluated for their project work based on Internship.</p>																																	
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		12	CHEMISTRY	JAGRUTI GUPTA
		13	CHEMISTRY	JHANVI BHALSE
		14	CHEMISTRY	KUSUM MUVEL
		15	CHEMISTRY	MANDAVI SONI
		16	CHEMISTRY	MANISH YADAV
		17	CHEMISTRY	NAYANI SAMAIYA
		18	CHEMISTRY	NEELESH PATEL
		19	CHEMISTRY	NIKITA PATIDAR
		20	CHEMISTRY	NUPUR HIRVEY
		21	CHEMISTRY	PRAGYA DUDWE
		22	CHEMISTRY	PRANJALI SINGH CHANDEL
		23	CHEMISTRY	PREETI VERMA
		24	CHEMISTRY	PRIYA THAKUR
		25	CHEMISTRY	PRIYANKA VARMA
		26	CHEMISTRY	PRIYANSHI BORLIYA
		27	CHEMISTRY	SABIHA PARVEEN SAYYED
		28	CHEMISTRY	SEVARAM KIRAD
		29	CHEMISTRY	SHIRIN WAHAB
		30	CHEMISTRY	SHIVANI DALAL
		31	CHEMISTRY	SONALI CHOPRA
		32	CHEMISTRY	TANUSHRI PAWAR
		33	CHEMISTRY	UPASANA GUPTA
		34	PharmaChemistry	Akanksha Shrivastava
		35	PharmaChemistry	Aniket Verma
		36	PharmaChemistry	Asmita Sharma
		37	PharmaChemistry	Durgesh Bhalot
		38	PharmaChemistry	Gaurav Patil
		39	PharmaChemistry	Lalit Thakur
		40	PharmaChemistry	Nidhi Sharma
		41	PharmaChemistry	Ritu Pal
		42	PharmaChemistry	Sapna Patidar
		43	PharmaChemistry	Shalini Maheshwari
		44	PharmaChemistry	Shivani Bhavsar
		45	PharmaChemistry	Shubham Dubey
		46	PharmaChemistry	Tanushree Agrahari
		47	PharmaChemistry	Digambar Indorkar
08	Photo of activity			



Internship programme

S.No .	Component Activites	Details														
01	Name of the Department	Department of Chemistry														
02	Name of Activity	Extension Activity														
03	Name of the Scheme	Internship Training Programme														
04	Date of the year of activity	17 th March to 27 th March 2021 (Batch-B) & 2021														
05	Number and year of the activity	58 & Year 2021														
06	Report of the activity	Department of Chemistry every year organizes Internship programme for M.Sc. Final students. The aim of this Internship is to update M.Sc. students with industrial knowledge apart from their theoretical knowledge. The Internship programme was conducted from 17 th March to 27 March 2021. Mr. Subodh Thakur, Elite Analytics, Indore was the eminent speaker, conducted lectures and practical's sessions on various instrumentation techniques. HPLC, UV, IR, FTIR, Gas Chromatography, Atomic Absorption Spectroscopy were the field he updated the M.Sc. students. Topics for project related to above techniques were given to the students for Internship. They were evaluated for their project work based on Internship.														
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S.NO	SUBJECT	STUDENTS NAME	NAME OF COLLEGE/ INSTITUTE	CATEGO RY												
1	chemistr y	Vaishali Dangi	Mata Jija Bai Girls PG College, Indore	OBC												


		2	chemistr y	Sonu Ghirve	Mata Jija Bai Girls PG College, Indore	SC
		3	chemistr y	Nisha Parmar	Mata Jija Bai Girls PG College, Indore	SC
		4	chemistr y	Pooja Gupta	Mata Jija Bai Girls PG College, Indore	GEN
		5	chemistr y	Madhuri Panwar	Mata Jija Bai Girls PG College, Indore	OBC
		6	chemistr y	Fula Akhade	Mata Jija Bai Girls PG College, Indore	ST
		7	chemistr y	Shivani Mahale	Mata Jija Bai Girls PG College, Indore	OBC
		8	chemistr y	Preeti Parmar	Mata Jija Bai Girls PG College, Indore	ST
		9	chemistr y	Preeti Tanve	Mata Jija Bai Girls PG College, Indore	SC
		10	chemistr y	Rajnandini Solanki	Mata Jija Bai Girls PG College, Indore	ST
		11	Botany	Rajtilak Tomar	Govt. Holkar Science College, Indore	GEN
		12	Botany	Sameera Mansuri	Govt. Holkar Science College, Indore	OBC
		13	Botany	Simran Maratha	Govt. Holkar Science College, Indore	GEN
		14	Botany	Manisha Baghel	Govt. Holkar Science College, Indore	ST
		15	Botany	Vaishali Verma	Govt. Holkar Science College, Indore	OBC
		16	Botany	Shivam	Govt. Holkar Science College, Indore	OBC
		17	Botany	Priya Lodh	Govt. Holkar Science College,	SC

					Indore	
		18	Botany	Rishita Tripathi	Govt. Holkar Science College, Indore	GEN
		19	Botany	Anjali Yadav	Govt. Holkar Science College, Indore	OBC
		20	Botany	Ridhima Patidar	Govt. Holkar Science College, Indore	OBC
		21	Botany	Savita Barde	Govt. Holkar Science College, Indore	ST
		22	Botany	Deepika Karole	Govt. Holkar Science College, Indore	SC
		23	Botany	Sandhya Bhanvar	Govt. Holkar Science College, Indore	OBC
		24	Botany	Prachi Awadwal	Govt. Holkar Science College, Indore	OBC
		25	Botany	Pragati Temre	Govt. Holkar Science College, Indore	OBC
		26	Botany	Garima Singh	Govt. Holkar Science College, Indore	GEN
		27	Botany	Pratibha Patidar	Govt. Holkar Science College, Indore	OBC
		28	Pharma	Pushpa Tayade	Govt. Holkar Science College, Indore	OBC
		29	Pharma	Jaya Sharma	Govt. Holkar Science College, Indore	OBC

		30	Pharma	Anita Devi Prajapati	Govt. Holkar Science College, Indore	SC
		31	Pharma	Shivani Malviya	Govt. Holkar Science College, Indore	SC
		32	Pharma	Sushmita Prajapati	Govt. Holkar Science College, Indore	OBC
		33	Pharma	Durgesh Bhalot	Govt. Holkar Science College, Indore	OBC
		34	Botany	Sapna Khanna	Govt. Holkar Science College, Indore	ST
		35	Botany	Priya Chouhan	Govt. Holkar Science College, Indore	SC
		36	Botany	Diksha Thakur	Govt. Holkar Science College, Indore	
		37	Botany	Shalini Thakur	Govt. Holkar Science College, Indore	
		38	Botany	Shushama Barfa	Govt. Holkar Science College, Indore	
		39	Botany	Shreya Jat	Govt. Holkar Science College, Indore	
		40	chemistry	Pushpa Kanes	Mata Jija Bai Girls PG College, Indore	ST
		41	chemistry	Archana Baraskar	Mata Jija Bai Girls PG College, Indore	OBC
		42	chemistry	Sheetal Patidar	Mata Jija Bai Girls PG College, Indore	OBC
		43	chemistry	Manju Bamaniya	Mata Jija Bai Girls PG College, Indore	ST

		44	Pharma	Sheetal Solanki	Govt. Holkar Science College, Indore	ST
		45		Sarika Mandloi	Govt. Holkar Science College, Indore	ST
		46		Uma Mandloi	Govt. Holkar Science College, Indore	ST
		47		Lalbai Chouhan	Govt. Holkar Science College, Indore	ST
		48		Pratiksha Majhi	Govt. Holkar Science College, Indore	OBC
		49		Sakshi Kaushik	Govt. Holkar Science College, Indore	GEN
		50		Manisha Pandey	Govt. Holkar Science College, Indore	SC
		51		Shivani Patidar	Govt. Holkar Science College, Indore	OBC
		52	Biochemistry	Greesha Thakre	Govt. Holkar Science College, Indore	OBC
		53	Biochemistry	Sundram Dwivedi	Govt. Holkar Science College, Indore	GEN
		54	Biochemistry	Soumya Jain	Govt. Holkar Science College, Indore	GEN
		55	Biochemistry	Vijay Pal Singh	Govt. Holkar Science College, Indore	GEN
		56	Biochemistry	Mayuri Paradh	Govt. Holkar Science College, Indore	GEN
		57		Vishakha Yadav	Govt. Holkar Science College, Indore	OBC
		58	Biotechnology	Akata Verma	Govt. Holkar Science College, Indore	OBC

INDUSTRIAL VISIT

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Pharmaceutical Chemistry
2	Name of the Activity:	Industry Visit
3	Date and Year of the Activity:	21-09-2022
4	Number of Students Participated in the activity:	35
5	Report of the Activity (in 100 words):	Department of Pharmaceutical Chemistry has organized industry visit on 21-09-2022 to medilux laboratories Pvt. Ltd. Pithampur. Student of M.Sc. Final has participated in this visit accompanied by Head of the Department Dr. M.K.Dwivedi, Dr. Rashmi Agrawal, Prof. Hema Kochar, Prof. Anjali Yadav. As it is a part of curriculum medilux laboratories is recognised manufacturer of fine chemical, intermediates and APIs they are committed to protected the environment by customised effluent treatment plant. Students learned about APIs like baclofen, hydroquinone etc. they got exposure to QMS, R&D and EHS. They had huge ware house for storing raw material. The visit was very informative and beneficial for our students and it will help them in near future for getting placement in Pharma Industries.
6	Photo of Activity:	 <p>The photo shows a large group of students and faculty members posing in front of a modern industrial building with a glass facade. A GPS overlay in the bottom right corner provides the following information:</p> <ul style="list-style-type: none"> Location: Pithampur, Madhya Pradesh, India Plot No. 98-99, Sector-1 454 775, Pithampur Industrial Area, Sagour Kuti, Pithampur, Madhya Pradesh 454775, India Lat 22.60868° Long 75.687437° Date/Time: 21/09/22 11:45 AM GMT +05:30

**Govt. Holkar (Autonomous) Science College,
Indore**
Department of Pharmaceutical Chemistry
Industry Visit to Medilux Laboratories, Pithampur
Attendance of M.Sc. III Sem. Students

Date - 21/9/22

S. No.	Name of Students	Signature
1	APRVA PALLIWAL	<i>Aprva</i>
2	PREKANA SAWANI	<i>Prekana</i>
3	DIVYA BAGHEL	<i>Divya</i>
4	AYUSHI BALSARA	<i>Ayushi</i>
5	MEENA SIKRAHI	<i>Meena</i>
6	AARAV ISHI	<i>Aarav</i>
7	RUPH CHOLHAN	<i>Ruph</i>
8	YOGENDRA SINGH PARMAR	<i>Yogendra</i>
9	RANJINI YADAV	<i>Ranjini</i>
10	SONU KATEDE	<i>Sonu</i>
11	TARAWATI VANKHED	<i>Tarawati</i>
12	KAMINI RATHORI	<i>Kamini</i>
13	POORNI MA CHOYAL	<i>Poorani</i>
14	SONAL TIWARI	<i>Sonal</i>
15	RAVI KATHORI	<i>Ravi</i>
16	HARINI SINGHIA	<i>Harini</i>
17	SHIVANI RAISAL	<i>Shivani</i>
18	SHRADHA BATHORI	<i>Shradha</i>
19	URVASHI JALODIYA	<i>Urvashi</i>
20	SONIYA BHABHOL	<i>Soniya</i>


**Govt. Holkar (Autonomous) Science College,
Indore**
Department of Pharmaceutical Chemistry
Industry Visit to Medilux Laboratories, Pithampur
Attendance of M.Sc. III Sem. Students

Date - 21/9/22

S. No.	Name of Students	Signature
21	SATISH BANSIYA	<i>Satish</i>
22	MANISHA CHOURASE	<i>Manisha</i>
23	VARSHA CHUDHAN	<i>Varsha</i>
24	AARFI	<i>Aarfi</i>
25	RAJAL SINGH	<i>Rajal</i>
26	TANAK DUMSANYI	<i>Tanak</i>
27	ADITI SUBIN	<i>Aditi</i>
28	SK. ZIN TIWARI	<i>Sk. Zin</i>
29	SANITA KATHI	<i>Sanita</i>
30	REHANT PANDHAR	<i>Rehant</i>
31	RUTIK	<i>Rutik</i>
32	SAHEL KHANI	<i>Sahel</i>
33	PAUGUN CHAVDA	<i>Paugun</i>
34	AYUSHI SAWANI	<i>Ayushi</i>
35	PABAG KAMDEY	<i>Pabag</i>

Signature of Activity In charge

Industrial Visit

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Pharmaceutical Chemistry
2	Name of the Activity:	Industry Visit
3	Name of the Scheme:	Part of Curriculum
4	Date and Year of the Activity:	25/08/2022
5	Number of Students Participated in the activity:	25
6	Report of the Activity (in 100 words):	<p>Department of pharmaceutical chemistry organised Industry Visit. M.Sc. final year students visited Index Lab & Consultants Accredited by NABL Department of Science and Technology , Govt. Of India, as it is a compulsory part of their curriculum.</p> <p>Mr. Prateyesh Mahajan and their team explained various instruments for testing of various parameters of water, soil ,dye etc. Students were satisfied with the visit as they were shown demonstration of different instruments used for analysis, it will be helpful for them to get placement in near future.</p>
7	Photo of Activity:	



8.

List of Participant

**Govt. Holkar (Autonomous) Science College,
Indore**
Department of Pharmaceutical Chemistry
Industry Visit Attendance

Date - 25/08/2022

S. No.	Name of students	Class	Signature
1.	Manisha Chaudhary	M.Sc. 2 nd sem	<i>[Signature]</i>
2.	Roshni Jain	M.Sc. 3 rd sem	<i>[Signature]</i>
3.	Vineeta Raj	M.Sc. 3 rd sem	<i>[Signature]</i>
4.	Saloni Bhatnagar	M.Sc. 3 rd sem	<i>[Signature]</i>
5.	Urvashi Chaudhary	M.Sc. 3 rd sem	<i>[Signature]</i>
6.	Shivani Rawal	M.Sc. III sem	<i>[Signature]</i>
7.	Shradha Rathore	M.Sc. III sem	<i>[Signature]</i>
8.	Ayushi Bhatnagar	M.Sc. III sem	<i>[Signature]</i>
9.	Apurva Paliwal	M.Sc. III sem	<i>[Signature]</i>
10.	Divya Bhatnagar	M.Sc. III sem	<i>[Signature]</i>
11.	Ritik	M.Sc. III sem	<i>[Signature]</i>
12.	Rupam Panwar	M.Sc. III sem	<i>[Signature]</i>
13.	Sakha Patel	M.Sc. III sem	<i>[Signature]</i>
14.	Pallavi Bhatnagar	M.Sc. III sem	<i>[Signature]</i>
15.	Jyoti Upadhyay	M.Sc. III sem	<i>[Signature]</i>
16.	Aditi Dubey	M.Sc. III sem	<i>[Signature]</i>
17.	Arushi Bhatnagar	M.Sc. III sem	<i>[Signature]</i>
18.	Vishvika Bhatnagar	M.Sc. III sem	<i>[Signature]</i>
19.	Harshita Bhatnagar	M.Sc. III sem	<i>[Signature]</i>
20.	Parag Nandani	M.Sc. III sem	<i>[Signature]</i>
21.	Pooja Chaudhary	M.Sc. III sem	<i>[Signature]</i>

**Govt. Holkar (Autonomous) Science College,
Indore**

Department of Pharmaceutical Chemistry

Industry Visit Attendance

Date -

S. No.	Name of students	Class	Signature
22	Sahil Khan	M.Sc. III rd Sem	Sahil Khan
23	Meena Mukati	M.Sc. III rd Sem	Meena
24	Palash Chouda	M.Sc. II nd Sem	Palash
25	Sonal Dwaru	M.Sc. II nd Sem	Sonal

Chemistry Club (Field Visit)

S.No.	Components	Details of Event
1	Name of the Dept.	Department of Chemistry
2	Name of activity	Field Visit
3	Name of Scheme	Chemistry Club
4	Date and Year of Activity	28 th September, 2022
5	Number of students participated in activity	70
6	Report of the activity	<p>Industrial Visit was proposed for M.Sc Previous Students in Trenching ground, Municipal Corporation(IMC) Nemawar Raod, Devguradia, Indore on 28th Sept, 2022. Visit was started from Govt. Holkar Science College, Indore at 9.30 am with two Cars and Two buses. 9 professors, 1 Lab assistant and 2 peons were accompanied the visit. All reached at 10.15am at Gate no.3 (Bio-CNG Plant). Here Mr Nitin Patel, Sub-engineer, Bio process manager explained the model of plant. He told that all Wet waste of Whole Indore processed in this plant. It has further planning to develop a city forest with waste management. They generate CNG from wet waste which provided for transportation and Avantika Gas Agency.</p> <p>All City buses and Garbage picking Vans get fuel from this plant.</p> <p>Then Mr. Shubham Pal, Sub-engineer took us to Garden developed by IMC at gate no. 2. It was a huge and beautiful garden. All students had great time there.</p> <p>Then we went to Gate no.3 at Nepra resource management pvt.Lt. Where Mr. Pranshu Gangrade, Sub-Engineer has explained that This is a largest dry waste management plant. They have given employment to 240 garbage picking women. Then Mr Shishir Deshmukh, Head of four Nepra plants of India took us to the plant and explained that 17 types of wet garbage processed and recycled here. He told that Nepra is name of CEO Sunil Soni's wife Neha. He told us that four cities Pune, Vapi and Ahmedabad also has Such plants but Indore is the Largest among all.</p> <p>Dr Namrata Pathak -Convenor of Chemistry club Dr Rachana Dubey-Member Dr Nameeta Bende-Member</p>

	Impact	<p>A field visit to a trenching ground for waste recycling can create awareness about the environmental impact of waste disposal. It demonstrates the importance of recycling, waste management techniques, and the need for sustainable practices. Such visits inspire individuals to adopt responsible waste disposal habits and support recycling initiatives.</p>
7	Photo of Activity	 <p>The top photograph shows a large group of students, mostly wearing white lab coats, posing for a group photo in front of a modern building with a large, abstract sculpture. The bottom photograph shows the same group of students standing in front of the entrance to the NEPRA Resource Management Pvt. Ltd. Material Recovery Facility - 1. A banner in the foreground identifies the group as 'Govt. Helkar (Model, Autonomous) Science College, Indore' and 'Department of Chemistry, Session 2021-2022'.</p>



8	Poster of Activity																															
9	List of Participants	<table><tr><th>S. No.</th><th>STUDENT NAME</th><th>Class</th></tr><tr><td>1</td><td>AARTI PARMAR</td><td>M.Sc. Previous</td></tr><tr><td>2</td><td>ABHISHEK DONGRE</td><td>M.Sc. Previous</td></tr><tr><td>3</td><td>AJEET SINGH PATEL</td><td>M.Sc. Previous</td></tr><tr><td>4</td><td>ANIL SOLANKI</td><td>M.Sc. Previous</td></tr><tr><td>5</td><td>ANSHU KUMRAWAT</td><td>M.Sc. Previous</td></tr><tr><td>6</td><td>ANUSHA BHURIYA</td><td>M.Sc. Previous</td></tr><tr><td>7</td><td>BHAGYASHREE BILLORE</td><td>M.Sc. Previous</td></tr><tr><td>8</td><td>BHAIRAVI</td><td>M.Sc. Previous</td></tr><tr><td>9</td><td>BHARTI PURE</td><td>M.Sc. Previous</td></tr></table>	S. No.	STUDENT NAME	Class	1	AARTI PARMAR	M.Sc. Previous	2	ABHISHEK DONGRE	M.Sc. Previous	3	AJEET SINGH PATEL	M.Sc. Previous	4	ANIL SOLANKI	M.Sc. Previous	5	ANSHU KUMRAWAT	M.Sc. Previous	6	ANUSHA BHURIYA	M.Sc. Previous	7	BHAGYASHREE BILLORE	M.Sc. Previous	8	BHAIRAVI	M.Sc. Previous	9	BHARTI PURE	M.Sc. Previous
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1	AARTI PARMAR	M.Sc. Previous																														
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8	BHAIRAVI	M.Sc. Previous																														
9	BHARTI PURE	M.Sc. Previous																														

		10	BHUPESH WASKLE	M.Sc. Previous	
		11	BHURI JADHAW	M.Sc. Previous	
		12	DIKSHA KARMA	M.Sc. Previous	
		13	DOLLY GAUTAM	M.Sc. Previous	
		14	ISHIKA BOBARE	M.Sc. Previous	
		15	JYOTI VISHWAKARMA	M.Sc. Previous	
		16	KRISHNA MUJALDE	M.Sc. Previous	
		17	KU SEEMA	M.Sc. Previous	
		18	MAHAK TIWARI	M.Sc. Previous	
		19	MAHENDRA CHOUHAN	M.Sc. Previous	
		20	MAHIMA VERMA	M.Sc. Previous	
		21	MOHAN BARELA	M.Sc. Previous	
		22	NANDINI YADAV	M.Sc. Previous	
		23	NISHU BAGRI	M.Sc. Previous	
		24	PINKI PANDEY	M.Sc. Previous	
		25	PRAKRITI MISHRA	M.Sc. Previous	
		26	PRAMILA	M.Sc. Previous	
		27	PRANSHU TRIPATHI	M.Sc. Previous	
		28	PRASHANSHA SHRIVAS	M.Sc. Previous	
		29	PRATIBHA PATEL	M.Sc. Previous	
		30	PRATIBHA SOLANKI	M.Sc. Previous	
		31	PREMA DEVI YADAV	M.Sc. Previous	

		32	PRITI MASANE	M.Sc. Previous	
		33	PRIYA RATHOR	M.Sc. Previous	
		34	PRIYANKA SINGH	M.Sc. Previous	
		35	PRIYANKA TALA	M.Sc. Previous	
		36	RADHIKA PATIDAR	M.Sc. Previous	
		37	RAJNANDINI CHOUHAN	M.Sc. Previous	
		38	RAJPAL SINGH PAWAR	M.Sc. Previous	
		39	RAJSHREE BADGUJAR	M.Sc. Previous	
		40	RAKESH	M.Sc. Previous	
		41	RAMCHANDRA GANGWAL	M.Sc. Previous	
		42	RAVI UPADHYAY	M.Sc. Previous	
		43	RAVINA KANASE	M.Sc. Previous	
		44	RAVINDRA	M.Sc. Previous	
		45	RITESH GANGLE	M.Sc. Previous	
		46	RITISHA MALVIYA	M.Sc. Previous	
		47	ROHIT SOLANKI	M.Sc. Previous	
		48	ROSHNI MAWER	M.Sc. Previous	
		49	RUDRAKSHI RATHOD	M.Sc. Previous	
		50	SAKET VISHNOI	M.Sc. Previous	
		51	SAKSHI GUPTA	M.Sc. Previous	
		52	SAKSHI PATEL	M.Sc. Previous	
		53	SAKSHI PRAJAPATI	M.Sc. Previous	

		54	SAKSHI TURKAR	M.Sc. Previous	
		55	SAMARTH PHADKE	M.Sc. Previous	
		56	SANDHYA PANDEY	M.Sc. Previous	
		57	SANJANA CHOURASIYA	M.Sc. Previous	
		58	SAVAN	M.Sc. Previous	
		59	SHEETAL JAMBEKAR	M.Sc. Previous	
		60	SHISHIR KUMAR GUPTA	M.Sc. Previous	
		61	SHIVANI DWIVEDI	M.Sc. Previous	
		62	SHWETA	M.Sc. Previous	
		63	SHYAM DAWAR	M.Sc. Previous	
		64	SNEHA KESHRI	M.Sc. Previous	
		65	SONU BABERIYA	M.Sc. Previous	
		66	SOUMYA MANGROLE	M.Sc. Previous	
		67	SRASHTI SHUKLA	M.Sc. Previous	
		68	STEPHIE MARTIN	M.Sc. Previous	
		69	SUBESH JAMRA	M.Sc. Previous	
		70	SUBHASH KANOJE	M.Sc. Previous	

Signature of the activity Incharge
Dr. Namrata Pathak

Chemistry Department (Industrial Visit Report)

<i>S.No.</i>	<i>Components</i>	<i>Details of Event</i>
1	Name of the Dept.	Department of Chemistry
2	Name of activity	Industrial & Field Visit
3	Name of Scheme	Visit to NEPRA Resource Management Pvt. Ltd. & Biogas CNG Production Plant
4	Date and Year of Activity	28 th September, 2022
5	Number of students participated in activity	129 Students of M.Sc. I Semester
6. Report of the activity		
<p>On the receiving the letter of permission from E.E., office of IMC. No. 651/SBM/22- 23, 130 students of M.Sc. I Semester with the Convener of Industrial Visit Committee Dr. Rekha Killedar, Dr. Pushpa Makwane and members, Dr. Sandeep Gohar and M/S Vinita Khare went on an industrial visit to the Trenching ground, Devguradia, Indore on 28 Sep. 2022. To assist this the members of Chemistry Club were also with us.</p> <p>Initially there was a presentation on the CNG production for students, with the help of model by Mr. Nitin Patil, Bioprocess Manager CNG plant. They also shed light on the various aspects and steps taken in the direction to flourish the industry.</p> <p>Mr. Shubham Pal showed us the old trenching area which is now converted into a beautiful garden.</p> <p>Then we also visited NEPRA Resource Management, PVT. LTD., where we saw the overall segregation process of solid waste according to their size & weight. The whole process was explained on screen by Mr. Shishir Deshmukh, Head, NEPRA.</p> <p>Actually, it was a combination of two different industries including CNG production and recycling of dry solid waste management, which students could acknowledge.</p> <p>This industrial visit was funded by Principal, Govt. Holkar Science College.</p> <p>Industrial Visit Committee</p> <p>Dr. Rekha Killedar - Convener</p> <p>Dr. Pushpa Makwane - Co- Convener</p> <p>Dr. Sandeep Gohar - Member</p> <p>M/S Vinita Khare - Member</p>		
7. Impact		
<p>An industrial visit provides valuable insights into the practical aspects of various industries. It enhances understanding of production processes, technological advancements, and business operations. Students and professionals gain practical knowledge, develop industry-specific skills, and gain exposure to real-world scenarios, making them more employable and industry-ready.</p>		
7	Photo of Activity	







	 <p>GPS Map Camera</p> <p>Indore, Madhya Pradesh, India Janki Nagar, MVWC+6C3, Janki Nagar, Indore, Madhya Pradesh 452001, India Lat 22.695428° Long 75.870963° 28/09/22 09:16 AM GMT +05:30</p> <p>Government Holkar Science Googleje</p>
8	<p>Poster of Activity</p>  <p>NEPRA RESOURCE MANAGEMENT PVT. LTD. MATERIAL RECOVERY FACILITY - I</p> <p>Govt. Holkar (Model), Autonomous Science College, Indore Department of Chemistry 'Chemistry - Club' Session 28.09.2022</p>

SN	Name of Students	Sig.	Mob. NO.
1	Panti Varman	Panti	7583814036
2	Abhishek Dongre	Abhishek	8770795271
3	Ajeet Patel	Ajeet	8829094441
4	Anil Solanki	Anil	6267101245
5	Ansha Kumbharwat	AK	9516590634
6	Anusha Bheniya	Anusha	9340369720
7	Bhagyashree Billore	Bhagyashree	8839703279
8	Bhadrani	Bhadrani	8722963641
9	Bhanti Puro	Bhanti	9302889191
10	Bluepesh Waskle	Bluepesh	9893799488
11	Bheshi Tadham	Bheshi	8871348021
12	Diksha Karma	Diksha	9669070081
13	Dolly Gautam	Dolly	9754629170
14	Ishika Bobare	Ishika	7909575440
15	Jyoti Vishwakarma	Jyoti	7067732488
16	Krishna Mujalke	Krishna	7999251126
17	Ku Seema	Seema	8085370542
18	Mahak Tiwari	Mahak	9669249327
19	Mahendra Chouhan	Mahendra	8817995557
20	Mahima Verma	Mahima	
21	Mohan Barela	Mohan	9759967738
22	Nandini Yadav	Nandini	6267153143
23	Nishu Bagri	Nishu	9303712348
24	Pinki Pandey	Pinki	9754171748
25	Prakruti Mishra	Prakruti	626449057
26	Pramila	Pramila	9926424379
27	Pranshu Tripathi	Pranshu	8463844189

S/N	Name of students	Sig.	Mat No.
28	Prashansa Shrivastava	Prashansa	6265037820
29	Pratibha Patel	Pratibha	9630357048
30	Pratibha Solanki	Pratibha	9753755413
31	Prema Devi Yadav	Prema	7869011490
32	Priti Masane	Pratibha	9170278463
33	Priya Rathod	Priya	7898134862
34	Priyanka Singh	Priyanka	7879785525
35	Priyanka Talga	Priyanka	8827345566
36	Radhika Patidar	Radhika	7024096024
37	Rajagandini Chavhan	Rajagandini	9755591895
38	Rajfal Kodar	Rajfal	9516632966
39	Rajshree Badgujar	Rajshree	7489390876
40	Rakesh	Rakesh	8219032680
41	Ramchandra	Ramchandra	6267033144
42	Ravi Upadhyay	Ravi	9109050073
43	Ravina Kanase	Ravina	8305889570
44	Ravindra	Ravindra	9605402747
45	Ritesh Gangale	Ritesh	6266558412
46	Ritisha Malviya	Ritisha	7879265452
47	Rohit Solanki	Rohit	7340124934
48	Roshani Mawu	Roshani	9179622190
49	Rudrakshi Rathod	Rudrakshi	8319851457
50	Saket Vishnoi	Saket	9131311129
51	Sakshi Gupta	Sakshi	8058945698
52	Sakshi Patel	Sakshi	6267097008
53	Sakshi Prajapati	Sakshi	
54	Sakshi Turkar	Sakshi	7489328780


SN	Name of student	Sig.	Mob. No
55	Samanth Phadke	Phadke	96174592
56	Sandhya Pandey	Pandey	7049665158
57	Sanjana Choudhary	Sanjana	898271781
58	Sarvam		
59	Sheetal Janbeka	Janbeka	626618083
60	Shishir Gupta	Gupta	626300722
61	Shivani Barwadi		
62	Shweta	Shweta	9981256580
63	Shyam Dawar	Dawar	846180093
64	Sneha Keshi	Sneha	735413286
65	Sonu Baberija	Sonu	7723853411
66	Soumya Mangale	Soumya	7223883713
67	Srashi Shukla		
68	Stephie Martin	Stephie	6267416273
69	Subesh Pumber	Subesh	9617965477
70	Subhash Kanaje	Subhash	7970069865
71	Sudha Patel	Sudha	6262271138
72	Sujeet Prajapati	Sujeet	786960737
73	Suraj Durvasa	Suraj	774784300
74	Tanushri Dodiya	Tanushri	9098593324
75	Vaishnavi Chouhan		
76	Vanshika Patidar	Vanshika	9630548175
77	Vijay Chouhan	Vijay	81208217
78	Vijay Patil	Vijay	9424044620
79	Vinamra Parnekar		
80	Vinay Parmar	Vinay	
81	Vishal Khatliya	Khatliya	8889210

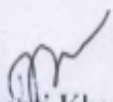
82	Vrinda Mudgal	Vrinda	9583370818
83	Yogesh Mohi	Yogesh	8462942864
84	Gayatri P Anand	Gayatri	7747012301
85	Kala Parmar	Kala Parmar	8770430470
86	Jaysingh Wastle	Jaysingh	951631706
87	Nilesh Mahajan	Nilesh Mahajan	9340739152
88	Gowind Choudhary	Gowind Choudhary	982750011
89	Shivanshu	Shivanshu	9691473146
90	Alina Khanam	Alina	999316567
91	Hemant Nagar	Hemant	7440923070
92	Dipali Yadav	Dipali	7805818313
93	Alfiza Sharkhi	Alfiza	9098978183
94	Mirali Surjan	Mirali	9111796580
95	Ariya Parmar	Ariya	9993302850
96	Nikita Jain	Nikita	9993059334
97	Khushi Agarwal	Khushi	97527-0420
98	Anjali Baghel	Anjali	769752401
99	Anjali Choudhary	Anjali	9770816987
100	Fiza Khan	Fiza	9111796033
101	Nilesh Katana	Nilesh	4626395060
102	Iyoti Rathee	Iyoti	7989485321
103	Aishwarya Kayat	Aishwarya	9340197185
104	Ankita Mishra	Ankita	7067279800
105	Ankur Nath Pandey	Ankur	797475560
106	Anurag Mishra	Anurag	9685436789
107	Deepak Rajpoot	Deepak	7024341511
108	Shraddha Thede		


107	Rubee Dwivedi		
110	Kajal Mishra	Kajal	8871624706
111	Jyoti Sahu	Jyoti	7879312453
112	Taruna Dhote	Taruna	7828779366
113	Chanda Dadve	Chanda	9179118982
114	Anupama Singh	Anupama	9770474056
115	Sonu Rathod	Sonu	969155-5857
116	Ritika Choudhary	Ritika	8319439078
117	Harsha Sisodiya	Harsha	7898185468
118	Anshika Gaur	Anshika	7898056990
119	Suresh Thakur	Suresh	8966898697
120	Pandeeep		
121	Ronak Sharma	Ronak	
122	Kapil Nagda	Kapil	
123	Shradh Singh	Shradh	
124	Tufan Singh Kurjar	Tufan	9109851457
125	Anjali Verma	Anjali	9171209819
126	Sadger Bhawar		
127	Schaji Alave		
128	Manoj Ningwal	Manoj	9644934373
129	Renu Moxi	Renu	9753616740
130	Rashmi Kurjar	Rashmi	97536-30940
131	Bhuxi Bamniy		
132	Jyoti Vavra	Jyoti	8516060666
133	Mahit Patidar		
134	Pranjali Sethe	Pranjali	6260118676
135	Anjali Khede	Anjali	9109581039

EXTENSION AND OUTREACH PROGRAM

S. No	Component/Activities	Details
1	Name of the Department / Unit / Agency:	Microbiology
2	Name of the Activity:	Assessment of Air Quality of Indore City.
3	Name of the Scheme:	Outreach Research Study under Swachh Bharat Abhiyan
4	Date and Year of the Activity:	05.12.2017 to 16.02.2018
5	Number of Students Participated in the activity:	15 Students
6	<p>Report of the Activity (in 100 words):</p> <p>Department of Microbiology, Govt. Holkar Science College, Indore conducted research study on the assessment of air quality of outdoor locations of Indore city, in which temples, crowded areas, bus stand, Airport, collectorate office, and Rajwada has been covered. The study of aeromycoflora of a particular region provides the clear view about the interaction of fungal spores in the form of disease on plants as well as occurrence of allergy in human being. Present study was carried out in the months of December 2017- February 2018.</p> <p>Present study shows that the information about concentration and diversity of air borne fungi gives idea to allergologists in the treatment of allergic diseases. Except for <i>Aspergillus</i> sp. and <i>Alternaria</i> sp. all other fungi found in the lowest concentration which may be due to the positive impact of Swachh Bharat Abhiyaan in Indore. Care for the environment is essential because healthy environment is the basic need of all type of living organism such as human beings, plants and Air is the most important factor for survival so continuous sampling and analysis is required to provide information about allergic components of air which will help in restricting them from arising right at the source and minimize their impact on health.</p> <p>Impact of the Outreach activity:</p> <p>The outreach research study on the assessment of air quality in Indore city, conducted by the Department of Microbiology, Govt. Holkar Science College, had a profound impact on the students involved. Through this study, students gained valuable experience in field research, data collection, and analysis of aeromycoflora. They learned about the interaction of fungal spores, their impact on plants, and the occurrence of allergies in humans. This hands-on experience not only enriched their scientific knowledge but also heightened their awareness of environmental and public health issues. The study under Swachh Bharat Abhiyan inspired students to actively contribute to the improvement of air quality, fostering a sense of responsibility towards a cleaner and healthier environment.</p>	



7	Photo of Activity																																																	
8	List of Participants	<table><tr><th>S.No.</th><th>Name of Student</th><th>Surname</th></tr><tr><td>1</td><td>Aayushi</td><td>Kumrawat</td></tr><tr><td>2</td><td>Anjuli</td><td>Gupta</td></tr><tr><td>3</td><td>Charvi</td><td>Shastri</td></tr><tr><td>4</td><td>Gayatri Patel</td><td></td></tr><tr><td>5</td><td>Jyoti</td><td>Kacholi</td></tr><tr><td>6</td><td>Kavita Goswami</td><td></td></tr><tr><td>7</td><td>Komal</td><td>Patil</td></tr><tr><td>8</td><td>Kritika</td><td>Jain</td></tr><tr><td>9</td><td>Krutika</td><td>Purohit</td></tr><tr><td>10</td><td>Maya</td><td>Patidar</td></tr><tr><td>11</td><td>Nidhi Sudhir Kibe</td><td></td></tr><tr><td>12</td><td>Richa</td><td>Kaithwas</td></tr><tr><td>13</td><td>Sawani</td><td>Dwivedi</td></tr><tr><td>14</td><td>Shivani Kathwas</td><td></td></tr><tr><td>15</td><td>Sundar Lal</td><td></td></tr></table>	S.No.	Name of Student	Surname	1	Aayushi	Kumrawat	2	Anjuli	Gupta	3	Charvi	Shastri	4	Gayatri Patel		5	Jyoti	Kacholi	6	Kavita Goswami		7	Komal	Patil	8	Kritika	Jain	9	Krutika	Purohit	10	Maya	Patidar	11	Nidhi Sudhir Kibe		12	Richa	Kaithwas	13	Sawani	Dwivedi	14	Shivani Kathwas		15	Sundar Lal	
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Dr. Deepti Khare
 Signature of Activity In charge


Dr. Sanjay Vyas
Professor & Head
 Department of Microbiology
 Govt. Holkar College, Indore (M.P.)

EXTENSION AND OUTREACH PROGRAM

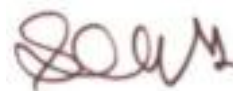
S. No	Component/Activities	Details
1	Name of the Department / Unit / Agency:	Microbiology
2	Name of the Activity:	RESEARCH STUDIES ON UNKNOWN FOUL ODOUR OF INDORE CITY: An Outreach Activity
3	Name of the Scheme:	Outreach Research Study, (Swachh Bharat Abhiyan)
4	Date and Year of the Activity:	01.12. 2019 to 25.12.2019
5	Number of Students Participated in the activity:	05 Faculties & 16 Students
6	<p>Report of the Activity:</p> <p>Residents from some localities of Indore have reported an unknown foul smell in their areas. People have said the smell to be of some kind of decomposition or fermentation. Local residents are facing health issues with this smell. Indore Municipal Corporation and M.P. Pollution control Board have worked on the reasons of foul smell but could not get any inference regarding the cause of smell.</p> <p>Department of Microbiology from Govt Holkar Science, Indore, took the problem as their social responsibility, and have worked on the reasons of foul smell.</p> <p>The survey was done with the help of questionnaire and the survey result showed that local residents of certain areas have been continuously facing this problem for the last 1.5 months. As per residents, the smell is similar to decomposition or fermentation. The smell usually comes in the evening hours maximum before 6-10 pm. Residents residing in Devguradia and near by places have suspected that the smell is coming from trenching ground.</p> <p>It was observed that no foul smell was felt when the wind direction was south-north. This indicate that cause of the foul smell may be in southern parts of the city. In the second level of studies, sampling was done from 06 different of suspected locations. Water and soil samples were collected from Kahn river which was suspected as a possible waste disposing area resulting in foul smell. The report helps in concluding that soil and water are not the possible cause for foul odour in affected areas.</p>	

	<p>Impact of the Activity:</p> <p>The outreach activity conducted by the Department of Microbiology from Govt Holkar Science, Indore, to investigate the foul smell problem has had a significant impact on students. By actively engaging them in this real-world problem, the students were exposed to hands-on research and practical applications of their studies. They gained valuable experience in conducting surveys, using questionnaires, and collecting samples for analysis. This experiential learning opportunity not only enhanced their scientific skills but also instilled a sense of social responsibility and empathy towards the affected community. It inspired the students to apply their knowledge for the betterment of society and encouraged them to pursue careers in research and problem-solving related to environmental issues and public health.</p>
7	<p>Photo of Activity</p>  <p>A group of students and a faculty member are outdoors in a field setting. A male faculty member in a red cap and dark shirt is standing and talking to a group of students. Some students are sitting on the ground, while others are standing. They appear to be engaged in an outdoor activity or fieldwork.</p> <p>Appreciation from world book of records</p>  <p>A Certificate of Recognition from the World Book of Records, London. The certificate is awarded to Dr. Sanjay Vyas, Head, Department of Microbiology, Govt. Holkar (Model, Autonomous) Science College, Indore, Madhya Pradesh, India. The certificate recognizes and initiates a research project entitled "Research Studies on Unknown Foul Odour of Indore City" self-endorsed by Department of Microbiology, Govt. Holkar (Model, Autonomous) Science College, Indore, Madhya Pradesh during the season 2019-2020 on per the critical crisis due to foul odour affecting citizens of Indore in certain areas. Their hardwork, selfless efforts and contribution towards the social problems is highly appreciated. The certificate is signed by Vinod Sharma, Vinod Sharma MP, and includes a barcode and a gold seal.</p>

		
9	Poster of Activity	<p style="text-align: center;">RESEARCH STUDIES ON UNKNOWN FOUL ODOUR OF INDORE CITY</p> <p style="text-align: center;">(2019)</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="text-align: center;">SUBMITTED BY</p> <p style="text-align: center;">DEPARTMENT OF MICROBIOLOGY,</p> <p style="text-align: center;">GOVT. HOLKAR SCIENCE COLLEGE, INDORE(M.P.)</p>

10	List of Participants	<p style="text-align: center;"><u>LIST OF PARTICIPANTS</u></p> <p style="text-align: center;">COMMITTEE</p> <p>PATRON: Dr. Suresh T. Silawat, Principal, Govt. Holkar Science College, Indore</p> <p>CONVENOR: Dr. Sanjay Vyas, Head, Department of Microbiology, Govt. Holkar Science College, Indore</p> <p style="text-align: center;"><u>RESEARCH TEAM:</u></p> <p style="text-align: center;"><u>S.N. NAME OF FACULTY</u></p> <p style="text-align: center;"><u>1 Dr. Shweta Hardia</u> <u>2 Dr. Anita Mukati</u> <u>3 Dr. Deepti Khare</u> <u>4 Prof. Anuja Sharma</u></p>
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		<p style="text-align: center;">NAME OF STUDENTS</p> <p><u>1 Shivani Pulloria</u> <u>2 Shreya Mahajan</u> <u>3 Purvi Shroff</u> <u>4 Vedika Yadav</u> <u>5 Tanushree Khare</u> <u>6 Ayushi Dubey</u> <u>7 Anshika Vyas</u> <u>8 Harshita Purohit</u> <u>9 Garvisha Bhawsar</u> <u>10 Rohit Panwar</u> <u>11 Samruddi Musalgonkar</u> <u>12 Hakkimmuddin</u> <u>13 Rupesh Trivedi</u> <u>14 Mihir Ojha</u> <u>15 Sweta Jha</u> <u>16 Sakshi Thakur</u></p>
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Dr. Sanjay Vyas
Prof. & Head, Department of Microbiology

Report of Activity (Field Visit)

S. No.	Component/Activities	Details
1.	Name of the Department	Zoology Department
2.	Name of the Activity:	Zoo Visit (Field Visit)
3.	Name of the Scheme:	Education Tour
4.	Date and Year of the Activity:	30/09/2022
5.	Number of Students Participated in the activity:	45
6.	Activity Photographs	
	 <p>Indore, Madhya Pradesh, India PV3H+P49, Zoo, Indira Gandhi Square, Doordarshan Kendra, Navlakha, Indore, Madhya Pradesh 452001, India Lat 22.704322° Long 75.877882° 30/09/22 11:29 AM GMT +05:30</p>	

	
7.	<p style="text-align: center;">Report of the Activity (in 100 words):</p> <p>Zoology Department organized field visit for M.Sc. Pre. and final year students to Kamla Nehru Prani Sanghralaya (Zoo), Indore (M.P.) on 30/09/2022. Students got knowledge about different species of animals and their behaviour. They got aware about different species of snakes and birds and their importance in biodiversity. Prof. Dr. Anjali Kumar, Prof. Dr. Ravindra Pal and Dr. Ruchi Shivle along with 45 students have attended this visit.</p>
8.	<p style="text-align: center;">Impact:</p> <p>A field visit to the zoo can have a significant impact on individuals. It offers firsthand encounters with diverse animal species, promotes awareness about conservation, and educates visitors about the importance of protecting wildlife habitats. Such visits inspire a sense of appreciation, responsibility, and empathy towards the natural world.</p>

Activity In Charge

HoD
Department of Zoology