

**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

Institutional Distinctiveness

Metric No. : 7.3.1

Document Title:

**VI.Experiential Learning for the students for
sensitizing on the social issues**

तमसो मा ज्योतिर्गमय

Social Activity 2022-23

<i>S.No.</i>	<i>Components</i>	<i>Details of Event</i>
1	Name of the Dept.	Department of Chemistry
2	Name of activity	Social Activity 2022-2023
3	Name of Scheme	Visit to Old Age Home
4	Date and Year of Activity	07 th September, 2022
5	Number of students participated in activity	28
6	Report of the activity	<p>On date 07/09/2022, 25 students of M.Sc Chemistry Final year of Govt. Holkar Science College Indore visited the valuable place of the community i.e. MISSINARIES OF CHARITY ST. MOTHER TERESSA'S "Jyoti Niwas" situated at 13, AB Road Navlakha Indore. It was established in 1981.</p> <p>Convener Dr. Rekha Killedar along with HOD Dr. Anamika Jain and Dr. Pushpa Makwane and Dr. Sandeep Gohar assemble in bhagwat lab of our department at 9.00 am.</p> <p>The main aim of this visit is to explore out the physical set up of the "Jyoti Niwas", to find out the organizational structure of Old Age Home, to know the how service and facilities provided to them. To make them feel special, happy and bring smile on their face. We reach their along with all the team members full with excitement and curiosity. Firstly, we gathered in the meeting hall Jyoti Niwas where the sister Agaeda Mary gave introduction about the organization and facilities rendered by them.</p> <p>We interacted with the old people. It was a pleasure witnessing of such wonderful work i.e., unconditional services. The students performed spiritual prayers and distributed breakfast to the elders. When we reached there, they were over helmed and could see the happiness in their eyes, but still we can feel their pain of not being able to live with their clear ones. But stillit looked like a big joint family.</p> <p>This event contributed to welfare promotion. After geeting an enormous and profuse response our college has decided to carry out this campaign</p>

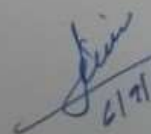
		<p>for the next consecutive month with great eagerness, passion and zeal.</p> <p>This program was funded by Chemistry Department.</p> <p>Dr. Rekha Killedar - Convenor of Social Activity Dr. Pushpa Makwane -Member Dr. Sandeep Gohar – Member</p>
7	Photo of Activity	 <p>The photographs show a group of people, including students and faculty, participating in a social activity. The first photo shows a large group standing in front of a building. The second photo shows a group standing in front of a statue. The third photo shows a group sitting on the ground. Each photo includes a GPS overlay with the following information:</p> <ul style="list-style-type: none"> Indore, Madhya Pradesh, India PV2H+H7W, Radio Station, Doordarshan Kendra, Navlakha, Indore, Madhya Pradesh 452001, India Lat 22.701184° Long 75.87785° 07/09/22 10:35 AM GMT +05:30 <p>The second photo also includes the following information:</p> <ul style="list-style-type: none"> Office no 3, navalkha Bus stand, BRTS Indore, Ahilyapur, Navlakha, Indore, Madhya Pradesh 452001, India Lat 22.701174° Long 75.877652° 07/09/22 10:52 AM GMT +05:30 <p>The third photo also includes the following information:</p> <ul style="list-style-type: none"> PV2H+H7W, Radio Station, Doordarshan Kendra, Navlakha, Indore, Madhya Pradesh 452001, India Lat 22.701198° Long 75.877957° 07/09/22 10:24 AM GMT +05:30

		 <p>A group of approximately 30 people, mostly women, are posing for a group photo outdoors. They are arranged in several rows, some sitting on the ground and others standing. The background shows a paved area, some trees, and a light-colored building. A GPS overlay is visible in the bottom right corner of the photo, displaying the location as Indore, Madhya Pradesh, India, with coordinates PV2H+H7W, Radio Station, Doordarshan Kendra, Navlakha, Indore, Madhya Pradesh 452001, India. The date and time are 07/09/22 10:35 AM GMT +05:30.</p>
8	Poster of Activity	 <p>A group of approximately 30 people, mostly women, are posing for a group photo outdoors. They are arranged in several rows, some sitting on the ground and others standing. The background shows a paved area, some trees, and a light-colored building. A GPS overlay is visible in the bottom right corner of the photo, displaying the location as Indore, Madhya Pradesh, India, with coordinates PV2H+H7W, Radio Station, Doordarshan Kendra, Navlakha, Indore, Madhya Pradesh 452001, India. The date and time are 07/09/22 10:16 AM GMT +05:30.</p>

9

List of
ParticipantsDepartment of Chemistry, Govt. Holkar Science College, IndoreVisit For Social WorkDate 07-09-2022 time : 09:00 am

Sr. No.	Name	Contact	Class
1	Akansh Dubey	8518093967	M.sc final
2	Shivangi Vani	7223861554	"
3	Abhilasha Mishra	7582067296	"
4	Ankita Sahu	8962417374	"
5	Jayant Dhurve	8720068330	"
6	Anjali Singh	7489590781	"
7	Priyata Maratha	9340838352	"
8	Avantika Mishra	8225928670	"
9	Diksha Gupta	6265078284	"
10	Muskan Sahu	7024847715	"
11	Prakrati Patidar	9098561938	"
12	Rishika Parihar	6269147841	"
13	Priya Patil	9770781147	"
14	Raksha Malviya	7049863769	"
15	Neha Bairagi	8817723001	"
16	Priyanka Kakde	7974958008	"
17	Vedika Yadav	9691166191	"
18	Himanshu Joshi	8319554453	"
19	Sachin Gothi	7067553627	"
20	Ajay Nevange	9993522537	"
21	Sakshi Jadav	9302409088	"
22	Alfiya Sheikh	9098978123	M.sc Previous
23	Alina Khanam	9993165675	"
24	Jyoti Rathore	7489485321	"
25	Soumya Mangrole	7223883713	"
26	Shrashti Shukla	7773046352	"
27	Prashansa Shrivastava	6265037820	"
28	Sakshi Gupta	8058945698	"
29			
30			



6/9/22

Signature of the activity Incharge
Dr. Rekha Killedar



Science Exhibition

2021-22









REPORT OF THE ACTIVITY

Participation in Madhya Pradesh Vigyan Sammelan and Pradarshini (MPVS - 2021): Fostering Scientific Temper and Innovation (22.12.2021 -25.12.2021)

In pursuit of propagating scientific temper and fostering innovation with the aim of contributing to a self-reliant Madhya Pradesh and India, our institution actively participates in significant events such as the Madhya Pradesh Vigyan Sammelan and Pradarshini (MPVS - 2021). Through collaborative efforts with esteemed technical institutions like SGSITS, we create an enriching platform that showcases the synergy between traditional and modern sciences.

Event Overview:

The Madhya Pradesh Vigyan Sammelan and Pradarshini (MPVS - 2021) stands as a testament to our commitment to nurturing scientific inquiry, innovation, and the exchange of ideas. This event provides a unique opportunity for students, researchers, and enthusiasts to showcase their contributions to the scientific community and promote an ecosystem that blends tradition and modernity.

Key Objectives:

- **Promoting Scientific Temper:** By participating in MPVS - 2021, we aim to create an environment that fosters curiosity, critical thinking, and scientific reasoning among participants and visitors alike.
- **Self-Reliant Madhya Pradesh:** The event aligns with the vision of a self-reliant Madhya Pradesh and India by encouraging indigenous innovation and technological advancements.

- **Showcasing Traditional and Modern Sciences:** MPVS - 2021 serves as a platform to highlight the seamless integration of traditional knowledge and modern scientific advancements.

Collaborative Efforts:

Our institution collaborates with esteemed technical institutions like SGSITS to orchestrate MPVS - 2021. This collaborative endeavor ensures a diverse range of perspectives, expertise, and resources, enriching the event's offerings.

Participant Engagement:

- **Exhibition Stalls:** Our institution sets up exhibition stalls that showcase innovative projects, research endeavors, and technological breakthroughs.
- **Interactive Sessions:** Workshops, seminars, and interactive sessions provide participants with opportunities to engage with experts, learn from each other, and exchange ideas.
- **Showcasing Tradition:** The event highlights the rich traditional knowledge of our culture while also exploring its intersections with modern science and technology.

Impact and Vision:

Participation in MPVS - 2021 contributes to the larger vision of fostering a scientifically curious and innovative society. By promoting interdisciplinary collaboration and the exploration of traditional wisdom, we work towards creating a vibrant ecosystem that nurtures the spirit of inquiry and self-reliance.

Activity Incharge

Name of Activity:- Science Exhibition

No. of Students:- 120

No. of Teachers:-02

Date :- 22-25 December 2021

Report:- Madhya Pradesh Science Exhibition was organised from 22-25 December 2021. In this Science Exhibition various colleges of Indore district falling under department of higher Education M.P. were given an opportunity to display their science working model. In this Exhibition volunteers of NSS were given the task to manage the crowd and look after the compliance of all the COVID-19 safety protocols being followed by the people. The Volunteers were divided into 8 groups each consisting of 15 volunteers, they were assigned duties for the morning shift and afternoon shift with each batch doing duty only once. The entire activity was done under the supervision of Programme officer Dr. Seemavati Sisodiya & Dr. Sandeep Kumar Gohar and under the guidance of Dr. Suresh T. Silawat, Principal of the college.

Extension and outreach 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	Blind School Visit
04	Date of the year of activity	12-10-2019
05	Number and year of the activity	30 (students)+ 10 (Faculty)=40 & Year 2019
06	Report of the activity	<p>As a part of extension activities, the professors of Chemistry Department and the students of M.Sc. Previous and Final visited Helen Keller Blind School, Indore on 12th Oct. 2019. The programme of Blind school was conducted by Shirin and Sabiha (M.Sc. Final year students) of Chemistry department.</p> <p>The Principal of the blind school, Smt. Suhasini Dobal was welcomed with a bouquet. Dr. Anamika Jain has addressed the blind students and delivered a knowledgeable speech. The students of M.Sc. have conducted a quiz programme for the blind students and distributed prizes to the winners.</p> <p>The music teacher and students of the blind school conducted a music programme at this occasion and at the end of the programme, the Principal of the school expressed the vote of thanks.</p>
07	Photo of activity	




08	List of participants	PRE	STUDENTS NAME	SURNAME
		KU.	AASHUL	MEHTA
		SHRI	AMIT	ROMDE
		SHRI	ANUPAM	GUPTA
		KU.	ANVEE	MISHRA
		KU.	ASHA	PATIDAR
		KU.	AYUSHI	SHIVHARE
		KU.	BHAVIKA	KATE
		KU.	CHANDRAKANTA	DAWRE

		SHRI	DEEPAK	BAIRAGI
		KU.	DORISH	SINGH
		KU.	JAGRUTI	GUPTA
		KU.	JHANVI	BHALSE
		KU.	MANDAVI SONI	
		SHRI	MANISH	YADAV
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		SHRI	NEELESH PATEL	
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		KU.	PRANJALI SINGH	CHANDEL
		KU.	PREETI	VERMA
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		KU.	PRIYANKA VARMA	
		KU.	PRIYANSHI	BORLIYA
		KU.	SABIHA PARVEEN SAYYED	
		SHRI	SEVARAM	KIRAD
		KU.	SHIRIN WAHAB	
		KU.	SHIVANI DALAL	
		KU.	SONALI	CHOPRA
		KU.	TANUSHRI	PAWAR
		KU.	UPASANA	GUPTA

Extension and outreach 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	District Jail Visit, Indore
04	Date of the year of activity	19-09-2019
05	Number and year of the activity	30 + 05 (Faculty)=35 (2019)
06	Report of the activity	<p>The Chemistry department of Govt. Holkar Science College has organized a Jail visit on 19-09-2019. The motive of the event was to interact with the women prisoners of the Jail. The visiting team was headed by Dr. Anamika Jain (HOD, Chemistry). Dr. Rachna Dubey, Dr. P. Makwane and students of M.Sc. final were also there in the team.</p> <p>On this occasion the Jail superintendent, Aditi Chaturvedi, Deputy Superintendent Shri Kushwah and Deputy Jailor Mr. Brajesh Makwane were also present. During this, the M.Sc. final students conducted a cultural programme in which the Women Prisoners were also participated actively.</p> <p>Dr. Anamika Jain addressed the women prisoners and distributor's prizes, religious books, general knowledge books, stationeries etc. The women prisoners also shared their experience at the prison.</p>
07	Photo of activity	




																																																													
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		KU.	UPASANA	GUPTA

Extension and outreach 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	Old Age Home
04	Date of the year of activity	18/09/2019
05	Number and year of the activity	30 + 10 (Faculty)=40 & Year 2019
06	Report of the activity	<p>The chemistry department of Govt. Holkar Science College had an opportunity to visit "Jyoti Niwas" an Old Age Home at Navlakha, Indore on 18/09/2019. Head of department, professors and M.Sc. students went to this old age home.</p> <p>Old age is the last phase of our life In this phase we need more love and affection from our family members. Unfortunately, people are so busy in this dazzling lifestyle that they forget their own parents.</p> <p>Jyoti Niwas gives shelter to these elderly persons left at their door steps. We all went there to know their experiences and entertained them by singing bhajans, songs etc. They told us about the truth of life and inspired to do social work for good course.</p> <p>They showered blessing on all of us and gave best wishes for bright future.</p> <p>In the end, we all realized the real wealth</p>

		in life is to give loving service to old people who have treasure of “Experiences in life” which helps in our life.																																															
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Extension and outreach 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	Awareness programme
04	Date of the year of activity	27 th September 2021
05	Number and year of the activity	64 & Year 2021
06	Report of the activity	<p>Department of chemistry, Govt. Holkar Science College, Indore has organized an awareness programme. The main objective of the programme was to create awareness and perform survey of Covid-19 vaccination among the slum area people. And the activity was done in the slum area of bhanwarkua Indore. HOD, Dr. Anamika Jain guided the students of M.Sc. chemistry and the students went to slum area. Nearly 60 students participated in this activity.</p> <p>The students explained about safety measure and protocol. We came to know that more than 80% people were vaccinated. The entire program was accomplished by Dr.Sandeep Gohar, Dr. Pushpa Makwane, Prof. Vinita Khare and Dr. Namita Bende under the supervision of Dr.Anamika Jain, HOD, Chemistry department.</p>

07	Photo of activity																																																																																																																																																
08	List of participants	<table><tr><th>S NO</th><th>ROLL NO</th><th>PRE</th><th>STUDENTS NAME</th></tr><tr><td>1</td><td>202158</td><td>M</td><td>AASHISH RATHORE</td></tr><tr><td>2</td><td>202159</td><td>M</td><td>ALOK PATIDAR</td></tr><tr><td>3</td><td>202161</td><td>M</td><td>AMUL CHOUHAN</td></tr><tr><td>4</td><td>202162</td><td>F</td><td>ANJALI</td></tr><tr><td>5</td><td>202164</td><td>F</td><td>ANKITA SINGH</td></tr><tr><td>6</td><td>202166</td><td>F</td><td>ARATI KATARA</td></tr><tr><td>7</td><td>202168</td><td>F</td><td>ARTI MANSARE</td></tr><tr><td>8</td><td>202169</td><td>M</td><td>ASHIK</td></tr><tr><td>9</td><td>202170</td><td>M</td><td>ASHWIN GUPTA</td></tr><tr><td>10</td><td>202171</td><td>M</td><td>ASHWIN MORE</td></tr><tr><td>11</td><td>202173</td><td>F</td><td>AYUSHI YADAV</td></tr><tr><td>12</td><td>202174</td><td>M</td><td>BASANT CHANGOD</td></tr><tr><td>13</td><td>202177</td><td>F</td><td>DAMINI JIRATI</td></tr><tr><td>14</td><td>202181</td><td>F</td><td>DIKSHA NAMDEV</td></tr><tr><td>15</td><td>202184</td><td>F</td><td>DIPALEE MANDLOI</td></tr><tr><td>16</td><td>202186</td><td>F</td><td>DIVYA SINGH</td></tr><tr><td>17</td><td>202187</td><td>F</td><td>DIVYA SINGH</td></tr><tr><td>18</td><td>202188</td><td>M</td><td>GANESH YADAV</td></tr><tr><td>19</td><td>202190</td><td>F</td><td>GITIKA PATIDAR</td></tr><tr><td>20</td><td>202191</td><td>M</td><td>HARSH GUJAR</td></tr><tr><td>21</td><td>202192</td><td>F</td><td>HEMLATA</td></tr><tr><td>22</td><td>202193</td><td>M</td><td>ISHWAR DABI</td></tr><tr><td>23</td><td>202194</td><td>F</td><td>JAYA DWIVEDI</td></tr><tr><td>24</td><td>202195</td><td>F</td><td>KAJAL PANDEY</td></tr><tr><td>25</td><td>202196</td><td>F</td><td>KALA TADWAL</td></tr><tr><td>26</td><td>202198</td><td>F</td><td>KAVITA PRAJAPATI</td></tr><tr><td>27</td><td>202199</td><td>F</td><td>KU.SHIVANI</td></tr><tr><td>28</td><td>202201</td><td>M</td><td>MAHESH</td></tr><tr><td>29</td><td>202202</td><td>F</td><td>MANALI KUSHWAH</td></tr><tr><td>30</td><td>202203</td><td>F</td><td>MANISHA MEENA</td></tr><tr><td>31</td><td>202205</td><td>M</td><td>MUKESH GURJAR</td></tr><tr><td>32</td><td>202208</td><td>F</td><td>NEHA SHARDE</td></tr><tr><td>33</td><td>202209</td><td>F</td><td>NIDHI YADAV</td></tr><tr><td>34</td><td>202213</td><td>F</td><td>NISHA SEN</td></tr></table>	S NO	ROLL NO	PRE	STUDENTS NAME	1	202158	M	AASHISH RATHORE	2	202159	M	ALOK PATIDAR	3	202161	M	AMUL CHOUHAN	4	202162	F	ANJALI	5	202164	F	ANKITA SINGH	6	202166	F	ARATI KATARA	7	202168	F	ARTI MANSARE	8	202169	M	ASHIK	9	202170	M	ASHWIN GUPTA	10	202171	M	ASHWIN MORE	11	202173	F	AYUSHI YADAV	12	202174	M	BASANT CHANGOD	13	202177	F	DAMINI JIRATI	14	202181	F	DIKSHA NAMDEV	15	202184	F	DIPALEE MANDLOI	16	202186	F	DIVYA SINGH	17	202187	F	DIVYA SINGH	18	202188	M	GANESH YADAV	19	202190	F	GITIKA PATIDAR	20	202191	M	HARSH GUJAR	21	202192	F	HEMLATA	22	202193	M	ISHWAR DABI	23	202194	F	JAYA DWIVEDI	24	202195	F	KAJAL PANDEY	25	202196	F	KALA TADWAL	26	202198	F	KAVITA PRAJAPATI	27	202199	F	KU.SHIVANI	28	202201	M	MAHESH	29	202202	F	MANALI KUSHWAH	30	202203	F	MANISHA MEENA	31	202205	M	MUKESH GURJAR	32	202208	F	NEHA SHARDE	33	202209	F	NIDHI YADAV	34	202213	F	NISHA SEN			
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		37	202218	F	POOJA MOURYA
		38	202219	F	POOJA MUWEL
		39	202220	M	PRABHAT KUMAR MISHRA
		40	202221	F	PRACHI DAVE
		41	202223	F	PRAGYA TOMAR
		42	202225	M	PRAVIN JAMOD
		43	202226	F	PREMLATA DESHMUKH
		44	202227	F	PRITHMI PANDIT
		45	202228	M	RAHUL PAWAR
		46	202229	M	RAJESH SITOLE
		47	202236	M	SAURABH UDDHAO ANBHORE
		48	202237	M	SAURAV KUMAR TRIPATHI
		49	202238	F	SHALINI NAIR
		50	202240	F	SHILPA TEMBHARE
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		52	202242	M	SHIV KUMAR SINGH PARASTE
		53	202244	F	SHIVANI
		54	202245	F	SHIVANI SINDAL
		55	202246	M	SHIVANSH SINGH RAJPUT
		56	202255	F	SONU BARPETE
		57	202256	M	SUBHASH SOLIYA
		58	202257	M	SUNIL PATIDAR
		59	202258	F	SUNITA MALVIYA
		60	202259	F	SUPRABHA SHARMA
		61	202260	F	SUSHMITA CHOUHAN
		62	202264	F	VAISHNAVI JAT
		63	202265	F	VANDANA CHOUHAN
		64	202266	F	VANDANA PATIDAR

EXTENSION AND OUTREACH PROGRAM

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Department of Forensic Science, in collaboration with Robin Hood Army (NGO)
2	Name of the Activity:	“Science Exhibition for Street Children at Choithram Public School”
3	Name of the Scheme:	Helping-Hand (Forensic Club Activity)
4	Year of the Activity:	23.10.2019
5	Number of Students Participated in the activity:	12
6	<p>Report of the Activity: Students and faculties of department of Forensic Science have organised Science Exhibition for Street Children at Choithram Public School in collaboration with Robin Hood Army (NGO) .Students of the Department have participated in the Exhibition and Explained different concepts and theory of Science to them.</p> <p>Impact of the Activity: Providing the street children with an opportunity to explore and engage with scientific concepts, the activity sparked curiosity, learning, and excitement. The students from the department took on the role of educators, explaining various theories and concepts in a simplified manner. This exposure to science not only broadened the horizons of the street children but also inspired them to pursue knowledge and education. The activity fostered a love for learning, encouraged scientific thinking, and promoted inclusivity by providing access to educational opportunities for underprivileged children, ultimately empowering them with valuable skills and knowledge for their future.</p>	

7	Photo of Activity:	 <p>The top photograph shows four individuals (three women and one man) standing behind a table covered with a white cloth. Behind them are several informational posters. One poster on the left is titled 'Learning to Learn' and lists various learning strategies. Another poster in the center is titled 'Support for mother-tongue development' and mentions 'Language from home'. A third poster on the right is titled 'IB Mission Statement'. The bottom photograph shows a group of students, mostly girls, gathered around a table, looking at a poster and discussing it. A man in a brown shirt is also present, possibly a teacher or facilitator.</p>
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Dr. Vijay R. Chourey
HOD
Department of Forensic Science
Name of Activity In charge

Science Exhibition Students List

M.Sc. Previous & final year Students

1. Aniket Patel
2. Abhilasha Kushwah
3. Anjali Chouhan
4. Ayushi Dixit
5. Chhavi Karele
6. Deepali Panwar
7. Gangesh Kurmi
8. Jagrati Patel
9. Amarika Mule
10. Malay Panchakshari
11. Palak Mukati
12. Pooja Banoriya
13. Pratyancha Tiwari
14. Rashmi Parmar
15. Prerna Sharma
16. Sourabh Singh Sisodiya
17. Tanzeela Shaikh
18. Tarun Sharma
19. Upasna Thakre
20. Vaibhav Pal

Departmental Activities

S. No	Component/Activities	Details of Course
1	Name of the Department / Unit / Agency:	Forensic Science Club (Department of Forensic Science) with “Gold Coin Seva Trust” (NGO)
2	Name of the Activities:	Cloth Distribution Programme (Helping hand group)
3	Convenor of this Activity:	Prof. Harshita Sonkar
4	Date and Year of the Activity:	18/04/2022
5	Number of Students Participated in this Activities:	M.Sc. Previous Students (24)
6	<p>Report of the Activity (in 100 words): A Cloth Distribution Programme was conducted by the Forensic Science Club (Department of Forensic Science), Govt. Holkar Science College, Indore. The students of M.Sc. Previous 2022 and faculties went to “Gold Coin Seva Trust” NGO to help the needy people. They donated clothes, performed songs and spent some quality time with them.</p> <p>Impact of the Activity:</p> <p>The act of giving not only provided essential clothing items but also brought smiles to the faces of the underprivileged individuals. The students also showcased their talents by performing songs, bringing joy and entertainment to the recipients. The activity fostered a sense of compassion, empathy, and social responsibility among the participants, instilling in them the importance of giving back to society and creating a positive impact on the lives of others.</p>	
7	List of Participants	M.Sc. Previous Students 1. Aayushi Chore 2. Aditya Joshi 3. Ayushi Dixit 4. Deepali Panwar 5. Devyansh Tripathi 6. Gangesh Kurmi 7. Jagrati Patel 8. Jaya Solanki 9. Khusbhoo Prajapat 10. Kshitij Pandey 11. Amarika Mule 12. Nandini Bagoriya 13. Palak Mukati 14. Perna Sharma 15. Saiyam Bakshi 16. Samiksha Samadhiya 17. Sant Singh Thakur

		18. Sumiran Vyas 19. Sumit Joshi 20. Swati Pandey 21. Tanisha Singh 22. Tarun Sharma 23. Upasna Thakre 24. Vaibhav Pal
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8.
Photo of Activity



Dr. Vijay R. Chourey
HOD
Department of Forensic Science
Name of Activity In charge

EXTENSION AND OUTREACH PROGRAM

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Department of Forensic Science in association with Robin Hood Army (NGO)
2	Name of the Activity:	Collection of Extra fresh food from hotels, parties and its distribution to the needy, Blood Donation
3	Name of the Scheme:	Helping-Hand
4	Date and Year of the Activity:	15/02/2020
5	Number of Students Participated in the activity:	12
6	<p>Report of the Activity: Students & faculty of the Department of Forensic Science work as volunteers in Robin Hood Army. They collect extra fresh food from hotels and parties and distribute it among needy people in the street and rural area. Apart from that they also teach poor kids who can't afford tuition fees and also teach some sports activities i.e. Cricket. Faculty with the Students had also organized an Exhibition based on basic scientific experiments. Staff & Students participated in Blood Donation Camp.</p> <p>Impact of te Activity: By collecting surplus fresh food and distributing it to those in need, they addressed the issue of food insecurity and helped alleviate hunger in the street and rural areas. Their efforts extended beyond food distribution as they also provided education to underprivileged children who couldn't afford tuition fees and taught them sports activities like cricket. The organization of an exhibition based on basic scientific experiments showcased their commitment to promoting scientific knowledge and creating awareness. Additionally, their participation in a Blood Donation Camp demonstrated their dedication to saving lives and contributing to the community's well-being. Through these activities, the students and faculty exemplified compassion, social responsibility, and a commitment to making a positive impact on society</p>	

7

Photo of Activity:




8	List of Participants	1. Prof. Ankesh Ahirwar 2. Ms. Aditi Tripathi 3. Ms. Shreya Chourasiya 4. Ms. Pragya 5. Ms. Pooja 6. Mr. Kamlesh Wankhede 7. Ms. Nimisha Dubey 8. Mr. Kunal Mahobiya 9. Ms. Mahak Malviya 10. Ms. Aaradhana Singh 11. Ms. Arti Girnare 12. Malay Panchakshari
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Dr. Vijay R. Chourey
HOD
Department of Forensic Science
Name of Activity In charge

- Note: 1). Please use Time New Roman font with 12 font sizes.
- 2). Delete extra rows if data is not available.
- 3). Preserve the word file in your computer.

EXTENSION AND OUTREACH PROGRAM

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Department of Forensic Science
2	Name of the Activity:	Encouragement Program: Purchasing Diwali items from Divyangjan Special shops organised by district office, Indore (M. P.)
3	Name of the Scheme:	Helping-Hands Social Activity
4	Date and Year of the Activity:	22/11/2019
5	Number of Students Participated in the activity:	04
6	<p>Report of the Activity :</p> <p>Faculties and Students of Forensic Department actively participated in purchasing the deepawali items made by Divyangjan (Specially-abled people) organised by district office, Indore to motivate and help them for deepawali festivals that was very encouraging for divyangjan as they had earned money for the same.</p> <p>Impact of the Activity:</p> <p>The active participation of faculties and students from the Forensic Department in purchasing Deepawali items made by Divyangjan (specially-abled people) had a profound impact. By supporting the initiative organized by the district office, Indore, they not only motivated and encouraged the Divyangjan for the festival but also provided them with an opportunity to earn money through their skills and craftsmanship. The act of purchasing the items not only contributed to the financial well-being of the Divyangjan but also recognized and appreciated their talents. The activity promoted inclusivity, empathy, and social responsibility, demonstrating support for the empowerment of specially-abled individuals and fostering a more inclusive society. It also showcased the department's commitment to making a positive impact and creating opportunities for the marginalized and underprivileged.</p>	

7	Photo of Activity:	
8	List of Participants	<ol style="list-style-type: none"> 1. Dr. V. R. Chourey 2. Mr. Ankesh Ahirwar 3. Mr. Gourav Parmar 4. Ms. Neha Pal

Dr. Vijay R. Chourey
HOD
Department of Forensic Science
Name of Activity In charge

EXTENSION AND OUTREACH PROGRAM

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Department of Geology
2	Name of the Activity:	Red water in Tube well studies in Gram Asrawad and its remedial action
3	Date and Year of the Activity:	24.02.2021 and onwards
4	Number of Students Participated in the activity:	11
5.	<p>Report of the Activity:</p> <p>Village Asrawad Khurd on the Nemawar Road in the year 2021 faced a very unusual event. It was reported in newspapers that mysteriously red-coloured water was coming out of their hand pumps and tube wells in the village. All the villagers were very concerned about the situation and they were considering that the havoc has been due to some divine wrath and they reported this matter to their village Panchayat. Dr. Narendra Joshi, Head of the Department of Geology was consulted by the newspapers regarding the issue.</p> <p>He, Dr. Vishnu Gadgil and his team from the Department of Geology took the initiative to investigate the matter by visiting and making their observations as per BIS-Specifications and forwarded their report to the Public Health Engineering Department for necessary action. According to the Geology Department, the probable causes of this may be due to pollution in the deeper earth, which may arise due to the dumping of some chemical wastes nearby or the release of wastes from the factories from the industrial belt located nearby.</p> <p>Impact of the Activity:</p> <p>The initiative taken by Dr. Narendra Joshi and his team from the Department of Geology had several important impacts:</p> <p>Identification of the Issue: The investigation by the Geology Department helped identify the cause of the unusual red-colored water coming out of hand pumps and tube wells in</p>	

the village. By pinpointing the probable causes of pollution in the deeper earth, the team shed light on potential sources of contamination.

Public Awareness: The news reports and investigation raised awareness among the villagers about the potential hazards of the red-colored water. This information prompted the villagers to report the matter to their village Panchayat, seeking necessary action.

Preventive Measures: By forwarding their report to the Public Health Department, the Geology Department paved the way for necessary action to address the issue. This proactive approach can help prevent further contamination and protect the health and well-being of the villagers.

Environmental Protection: Identifying the potential sources of pollution, such as chemical waste dumping or industrial waste release, highlights the need for strict environmental regulations and responsible waste management practices. The report may lead to increased vigilance and monitoring in the industrial belt to prevent similar incidents in the future.

Scientific Expertise: The involvement of the Geology Department and Dr. Narendra Joshi showcased the importance of scientific expertise in investigating and resolving environmental issues. Their intervention added credibility to the investigation and helped in arriving at a probable cause for the problem.

Collaboration with Authorities: By involving the Public Health Engineering Department, the Geology Department fostered collaboration between scientific experts and relevant authorities responsible for public health and environmental protection. This teamwork can lead to more effective and timely solutions.

Mitigation and Remediation: The investigation's findings can guide the authorities in formulating appropriate mitigation and remediation measures to address the contamination. This can include water treatment and measures to prevent further pollution.

Long-term Health Impact: Identifying and addressing the pollution issue can have a positive impact on the long-term health of the villagers. Access to clean and safe drinking water is essential for preventing waterborne diseases and ensuring the overall well-being of the community.

The initiative taken by the Geology Department helped in understanding the cause of the red-colored water issue in the village and paved the way for necessary actions to protect the health and environment of the community. It also emphasized the significance of scientific investigation and collaboration with relevant authorities to address environmental challenges effectively.

[illegible]







Media Reports:

	
	<p>List of Students: M.Sc Geology (Visit & Documentation)</p> <ol style="list-style-type: none"> 1. SANTOSH BANDOD 2. RAHUL PANCHESHWAR 3. SACHIN RAI 4. PUSHKAR KUMAWAT 5. SHASHANK MANESHWAR 6. SHALINEE DESHMUKH 7. ABHISHEK YADAV 8. SHANU PANCHAL 9. SAWAN GOTWAL 10. PRAVESH PANDEY 11. HARSHITA CHANDRAVANSI

Detailed Report in Hindi is also enclosed:

इन्दौर से नेमावर रोड (एन एच. 47) पर स्थित ग्राम असरावद बुजुर्ग जो, इन्दौर से लगभग 27 कि. मी. की दूरी पर स्थित है, के कुछ घरों में बोर-वेल से निकल रहे लाल रंग के पानी की सूचना स्थानीय समाचार-पत्र एवं प्रेस के माध्यम से प्राप्त हुई।

होलकर विज्ञान महाविद्यालय, इन्दौर के भूविज्ञान विभाग के प्राध्यापकों द्वारा उक्त घटना पर स्वतः संज्ञान लिया गया। हमेशा की तरह इस बार भी समाज के प्रति जिम्मेदारी का निर्वहन करते हुए, भूविज्ञान विभाग के दो प्राध्यापक- डॉ. विष्णु गाडगिल तथा डॉ. नरेन्द्र जोशी दिनांक 24.02.2021 को ग्राम

असरावद बुजुर्ग के ग्राम पंचायत कार्यालय पहुँचे। ग्राम पंचायत कार्यालय से जानकारी प्राप्त कर स्थानीय ग्रामीणों से चर्चा कर कारण जानने का प्रयास किया। ग्रामीणों द्वारा बताया गया कि विगत लगभग 10-15 दिनों से कुछ रहवासियों के घरों में स्थित बोर-वेल से लाल रंग का पानी आ रहा है, इस कारण वे दहशत में हैं। प्राध्यापकों को ज्ञात हुआ कि लगभग सभी बोर-वेल में जल-स्तर अच्छा है, 300 से 350 फीट की गहराई पर भूमिगत जल उपलब्ध है। सभी बोर-वेल सतह से लगभग 20-30 फीट की गहराई तक, केसिंग-पाईप डाले गये हैं, इसके पश्चात मुरम तथा कठोर चट्टानें आ जाती हैं।

भूविज्ञान की दृष्टि से पूरे क्षेत्र में सतह पर काली मिट्टी (Black cotton soil) है, इसके नीचे मुरम तथा गहराई पर लावा से बनी बेसाल्टिक चट्टानों (Basaltic rocks) के 6 से 7 लावा प्रवाह (Lava flows) हैं। दो लावा प्रवाहों के मध्य अपक्षय क्षेत्र (weathered zone) तथा रेड-बोल (Red bole) की परतें भी पायी जाती हैं। बेसाल्टिक चट्टानों में पायी जाने वाली गुहिकाओं (cavities), दरारों (fractures) अपक्षय क्षेत्रों (weathered zones) आदि में भूमिगत जल एकत्रित रहता है जो बोर-वेल के द्वारा प्राप्त किया जाता है।

प्राध्यापकों द्वारा स्थानीय ग्रामीणों - श्री देवी सिंह ठाकुर, श्री शंकर लोहानी, श्री सुनील सेन, श्री रामनिवास मीणा आदि से चर्चा की। रहवासियों द्वारा बताया गया कि अलग-अलग घरों के बोर-वेल से पूरे समय लाल रंग का पानी आता है। इस कारण पानी का उपयोग पीने में नहीं कर पा रहे हैं। प्राध्यापकों ने भी देखा कि पानी का रंग हल्के लाल रंग का है, इसमें कोई गंध नहीं है (odourless), किसी प्रकार की गाद (silt) भी नीचे एकत्रित नहीं हो रही है। भूविज्ञानिकों को इस बात की भी आशंका है कि संभवतः उक्त क्षेत्र में भूमिगत - जल के अति-दौहन के कारण, भूजल स्तर गहराई में चला गया हो, और गहराई पर, दो लावा-



Image of Red bole bed between lava flows

प्रवाहों के मध्य कोई मोटा रेड-बोल संस्तर (red bole bed) उपस्थित हो, जिस कारण कुछ बोर-वेल्स से हल्के लाल रंग का पानी आना प्रारंभ हो गया हो। red bole में आयरन ऑक्साइड होता है जिसके कारण से भूमिगत जल का रंग लाल का हो जाता है।

प्राध्यापकों द्वारा ग्रामीणों में फैली दहशत के संबंध में सुझाव दिया कि इसका संबंध न तो आने वाले किसी भूकम्प से है, न ही यह कोई दैवीय प्रकोप है, अतः घबराएँ नहीं। उन्होंने ग्रामीणों को बताया कि यह कोई गंभीर मामला नहीं है। इसमें आयरन की मात्रा कुछ बढ़ गई है जो हानिकारक नहीं है। इस प्रकार ग्रामीणों में व्याप्त दहशत (panic) को दूर किया। प्राध्यापक-द्वय द्वारा, समीप ही स्थित एक वेल्डिंग रॉड/इलेक्ट्रोड बनाने वालों कारखाने का भी भ्रमण कर प्रदूषण का कारण जानने का प्रयास किया गया लेकिन संबंधित उद्योग से ऐसी कोई जानकारी प्राप्त नहीं हुई जिससे उक्त क्षेत्र का भूमिगत जल प्रभावित हो रहा हो।

भूवैज्ञानिकों को इस बात की भी आशंका है कि संभवतः उक्त क्षेत्र में भूमिगत - जल के अति-दौहन के कारण, भूजल स्तर गहराई में चला गया हो, और गहराई पर, दो लावा-प्रवाहों के मध्य कोई मोटा रेड-बोल संस्तर (red bole bed) उपस्थित हो, जिस कारण कुछ बोर-वेल्स से हल्के लाल रंग का पानी आना प्रारंभ हो गया हो। red bole में आयरन ऑक्साइड होता है जिसके कारण से भूमिगत जल का रंग लाल का हो जाता है। ये समस्या अभी है किन्तु शीघ्र ही सामान्य रंग का जल बोरवेल से प्राप्त होने लगेगा।

प्राध्यापकों द्वारा चार अलग-अलग नल-कूपों (बोर-वेल्स) से हल्के लाल रंग के पानी के नमूने भी एकत्रित किये। ग्राम पंचायत अध्यक्ष एवं जनपद पंचायत कार्यालय का भ्रमण कर संबंधित अधिकारियों से भी चर्चा की तथा एकत्रित किये गये पानी के नमूनों की जांच संबंधी आंकड़ों का भी अध्ययन किया। पानी के नमूनों की जांच से यह भी जानकारी मिलती है कि पानी के नमूनों में किसी भी विषैले तत्व की उपस्थिति नहीं है। दो नमूनों में पानी मटमैला अवश्य था लेकिन कोई हानिकारक तत्व नहीं हैं। प्राध्यापक आशान्वित है, कि यदि यह कोई प्राकृतिक घटना है तो चूंकि प्रकृति स्वयं भी मरम्मत का कार्य करती है अतः आने वाले कुछ दिनों में यह समस्या स्वतः ही समाप्त हो जायेगी। लेकिन यदि यह प्रदूषण जनित है तो इसे संबंधित प्रशासकीय अधिकारियों को गंभीरता से लेना होगा तथा प्रदूषण नियंत्रण के प्रभावी उपाय करने होंगे। इस संबंध में ग्राम पंचायत कार्यालय को आश्वस्त किया की भविष्य में यदि समस्या आधिक गंभीर हो तब हमे सूचित करे हम पुनः जाँच करने आ सकेंगे।

Activity Incharge
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