

RAJARAM COLLEGE, KOLHAPUR

Academic Year 2021-22

Student Centric methods

Method	Activities	Name of the Department
Participative Learning	Workshops, Seminars, projects, quizzes, ready references, question bank preparation, Elocution Competition etc	Physics, Chemistry, Botany, Zoology, Geology, Microbiology, Psychology, History, Geography, English, Political Science, Mathematics, Statistics
Experiential Learning	Performing experiments, field visits, workshops, Industrial visits etc	Physics, Chemistry, Botany, Zoology, Geology, Microbiology, Psychology, History, Geography, Mathematics, Statistics
Problem Solving	Mathematical and virtual problems	Physics, Chemistry, Mathematics, Statistics, etc



राजाराम महाविद्यालय, कोल्हापूर



GOVERNMENT OF MAHARASHTRA  
ESTD :1880

**RAJARAM COLLEGE, KOLHAPUR**

VIDYANAGAR, SAGARMAL, KOLHAPUR-416004

E-mail: [rajaramcollege@gmail.com](mailto:rajaramcollege@gmail.com)

PHONE :0231-2537840 (OFFICE)

FAX : 0231-2531989

No/RCK/CHEM/

Date :- 24/4/2022

To,

The Head,  
Department of Chemistry,  
Rajaram College, Kolhapur

**Sub : Approval for value added course on Preparation of household chemicals' in the  
subject Chemistry in academic year 2021- 22**

Course code No. 2021V Chem

Dear Sir/Madam,

This is with reference to your suggestion and decision taken in IQAC cell meeting .You have been advised to run the value added course as mentioned in above subject. The course must be of one month duration and must be conducted with separate time table. The report of the course completion with all requisite documents is required to be submitted to IQAC cell at the end of second semester of this academic year.

Co-ordinator,  
IQAC Cell

Principal,  
Rajaram College, Kolhapur

# NOTICE

All the staff of chemistry department are hereby inform that, our department is going to organize a value added course on **"Preparation of Household Chemicals"** from 25 April 2022 to 27 May 2022. Conduct your lectures as per allotted syllabus and submit attendance to Mr. S. A. Sonawane.

Dr. Mrs. K.K. Patil  
Head of Chemistry Department  
Rajaram College, Kolhapur

S. A. Sonawane

Dr. J. T. Deshmukh -

Dr. A. S. Khomane

Mr. A. P. Marale

Dr. A. J. Bodake

128

RAJARAM COLLEGE, KOLHAPUR

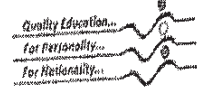
CHEMISTRY DEPARTMENT

Preparation of House hold Chemicals  
Registration  
2021-22

Sr. No.	Roll No.	Subject	Gender	Name of the Student	Signature
1	2021TS101	Chemistry	Male	Bagilgekar Omkar Prakash	<i>Bagilgekar</i>
2	2021TS102	Chemistry	Female	Barad Vaishnavi Ananda	<i>Barad</i>
3	2021TS103	Chemistry	Female	Chorage Vidya Sunil	<i>Chorage</i>
4	2021TS104	Chemistry	Female	Dawar Swati Balawant	<i>Dawar</i>
5	2021TS105	Chemistry	Male	Deshpande Dhiraj Mukund	<i>Deshpande</i>
6	2021TS106	Chemistry	Male	Dharmuche Vaibhav Maruti	<i>Dharmuche</i>
7	2021TS107	Chemistry	Male	Dongale Abhishek Annaso	<i>Dongale</i>
8	2021TS108	Chemistry	Male	Dongale Kunal Dhanaji	<i>Dongale</i>
9	2021TS109	Chemistry	Male	Gavali Adinath Shivaji	<i>Gavali</i>
10	2021TS110	Chemistry	Female	Ghadi Pooja Prakash	<i>Ghadi</i>
11	2021TS111	Chemistry	Female	Gharal Siddhi Laxman	<i>Gharal</i>
12	2021TS112	Chemistry	Male	Gidgol Suresh Laxman	<i>Gidgol</i>
13	2021TS113	Chemistry	Female	Hazare Shruti Deepaksingh	<i>Hazare</i>
14	2021TS114	Chemistry	Male	Jadhav Kunal Kiran	<i>Jadhav</i>
15	2021TS115	Chemistry	Female	Jidimani Bhagyashree Shivalingappa	<i>Jidimani</i>
16	2021TS116	Chemistry	Female	Kale Ashwini Babasaheb	<i>Kale</i>
17	2021TS117	Chemistry	Male	Kamble Deepraj Babasaheb	<i>Kamble</i>
18	2021TS118	Chemistry	Male	Katkar Pramod Prakash	<i>Katkar</i>
19	2021TS119	Chemistry	Female	Kesarkar Kallyani Bacharam	<i>Kesarkar</i>
20	2021TS120	Chemistry	Male	Kherade Rutik Ramchandra	<i>Kherade</i>
21	2021TS121	Chemistry	Male	Khodave Indrajeet Bhimarao	<i>Khodave</i>
22	2021TS122	Chemistry	Female	Kurade Priyanka Ganpat	<i>Kurade</i>
23	2021TS123	Chemistry	Female	Kusale Sakshi Shekhar	<i>Kusale</i>
24	2021TS124	Chemistry	Female	Labde Sakshi Arvind	<i>Labde</i>
25	2021TS125	Chemistry	Male	Madake Sourabh Vishnu	<i>Madake</i>
26	2021TS126	Chemistry	Female	Mali Pratiksha Prakash	<i>Mali</i>
27	2021TS127	Chemistry	Male	Maner Salman Sameer	<i>Maner</i>
28	2021TS128	Chemistry	Male	Nadaf Atik Babaso	<i>Nadaf</i>
29	2021TS129	Chemistry	Female	Naik Shivani Sanjay	<i>Naik</i>
30	2021TS130	Chemistry	Male	Patil Dheeraj Satappa	<i>Patil</i>
31	2021TS131	Chemistry	Male	Patil Harshvardhan Suresh	<i>Patil</i>
32	2021TS132	Chemistry	Male	Patil Kshitij Yogesh	<i>Patil</i>
33	2021TS133	Chemistry	Female	Patil Prajakta Arunkumar	<i>Patil</i>
34	2021TS134	Chemistry	Female	Patil Pranali Dattatray	<i>Patil</i>
35	2021TS135	Chemistry	Female	Patil Rohini Vasant	<i>Patil</i>
36	2021TS136	Chemistry	Female	Patil Rutuja Kashinath	<i>Patil</i>
37	2021TS137	Chemistry	Female	Patil Samaksha Sanjay	<i>Patil</i>
38	2021TS138	Chemistry	Female	Patil Shraddha Satish	<i>SHRADDHA</i>

39	2021TS139	Chemistry	Female	Patil Snehal Sarjerao	
40	2021TS140	Chemistry	Female	Patil Sonal Bhimrao	<i>Sonal Patil</i>
41	2021TS141	Chemistry	Male	Patil Sourav Sahadev	<i>Patil</i>
42	2021TS142	Chemistry	Male	Rajigare Vishwajeet Rajaram	
43	2021TS143	Chemistry	Male	Rajput Nikhil Amar	<i>Rajput</i>
44	2021TS144	Chemistry	Female	Sakhare Kajal Sanjay	
45	2021TS145	Chemistry	Male	Salokhe Rupesh Rajesh	<i>Rupesh</i>
46	2021TS146	Chemistry	Male	Sanadi Aman Sikandar	<i>Sanadi</i>
47	2021TS147	Chemistry	Male	Sayyad Mahmmadkaif Najeer	<i>Kaif</i>
48	2021TS148	Chemistry	Male	Shaikh Juber Yasin	<i>Shaikh</i>
49	2021TS149	Chemistry	Male	Shinde Shreyas Vijay	<i>Shinde</i>
50	2021TS150	Chemistry	Male	Shirole Sarjerao Shivagonda	<i>Seshinde</i>
51	2021TS151	Chemistry	Female	Sutar Sakshi Dipak	<i>Sutar</i>
52	2021TS152	Chemistry	Female	Sutar Shital Sadashiv	<i>Sutar</i>
53	2021TS153	Chemistry	Female	Sutar Varsha Maruti	<i>Sutar</i>
54	2021TS154	Chemistry	Male	Swami Akash Satish	<i>Swami</i>
55	2021TS155	Chemistry	Male	Varadkar Prathamesh Deepak	<i>Varadkar</i>





# राजाराम महाविद्यालय कोल्हापूर

## रसायनशास्त्र विभाग

### Value Added Course

on

### Preparation of Household and Domestic Chemicals

### कार्यक्रम पत्रिका

कार्यक्रम आरंभ :- दु. 12.30 वा. दि. 17.05.2022

- अध्यक्ष : डॉ. एस. बी. महाराज पाटील, प्राचार्य राजाराम महाविद्यालय कोल्हापूर
- प्रमुख वक्ते : डॉ. किशोर गायकवाड, उप प्राचार्य, राजर्षी छत्रपती शाहू कॉलेज, कोल्हापूर
- प्रस्तावना : डॉ. के. के. पाटिल, विभागप्रमुख, रसायनशास्त्र विभाग
- परिचय : श्री. एस. ए. सोनवणे
- प्रमुख वक्ते मनोगत : डॉ. किशोर गायकवाड
- अध्यक्षीय मनोगत : डॉ. एस. बी. महाराज पाटील, प्राचार्य राजाराम महाविद्यालय कोल्हापूर
- आभार : डॉ. ए. जे. बोडके

Hands on training - Chemistry Laboratory 1.30 onwards



Government of Maharashtra's

**Rajaram College, Kolhapur**

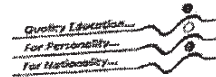
**Department of Chemistry**

Year - 2022-23

Value added course

On

**“Preparation of Household Chemicals”**



## **SYLLABUS**

<b>Unit I: Basic concepts of Chemistry (2 h)</b>	
1.	Concentration
2.	Mole concept
3.	Normality
4.	Molarity
5.	Molality
6.	Mole fraction
7.	Percentage composition by volume, by weight
<b>Unit II: Domestic chemicals (2 h)</b>	
1.	Introduction to house hold/ domestic chemicals
2.	Phenyl
3.	Liquid soap and detergent
4.	Sanitary acids
5.	Cleaning actions of acids, handling and precautions
6.	Antiseptic and disinfectants
7.	Sanitizer
<b>Unit III: Soaps (2h)</b>	
1.	Introduction

2.	Theory and types
3.	Manufacturing of soaps
4.	Cleaning action of soaps
<b>Unit IV Detergents (2h)</b>	
1.	Introduction
2.	Theory and types
3.	Manufacturing of soaps
4.	Cleaning action of soaps
<b>Unit V Phenyls (2h)</b>	
1.	Introduction
2.	Preparation
3.	Uses
4.	Advantages and disadvantages
<b>Unit VI Dyes (2h)</b>	
1.	Introduction
2.	Theory and types
3.	Preparation
4.	Uses
<b>Practical's (24 h)</b>	
1.	Preparation of soap
2.	Preparation of phenyl
3.	Preparation of dyes
4.	Preparation of detergent
5.	Preparation of liquid soap
6.	Preparation of Neel
7.	Preparation of Sanitizer





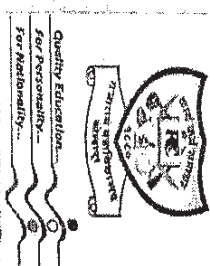
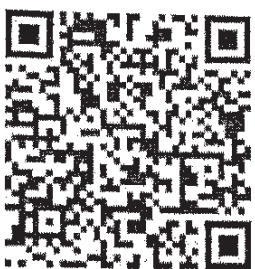
GOVERNMENT OF MAHARASHTRA'S  
**RAJARAM COLLEGE KOLHAPUR**  
 DEPARTMENT OF CHEMISTRY

This is to certify that

**INDRAJEET BHIMARAO KHODAVE**

of class **B. Sc.III** has successfully completed one day workshop/ hands-on-training on  
 “Preparation of House Hold Chemicals” organised by Department of Chemistry,

Rajaram College Kolhapur dated 17<sup>th</sup> May 2022.



Co-ordinator

Mr. S. A. Sonawane

Head of Department

Dr. K. K. Patil

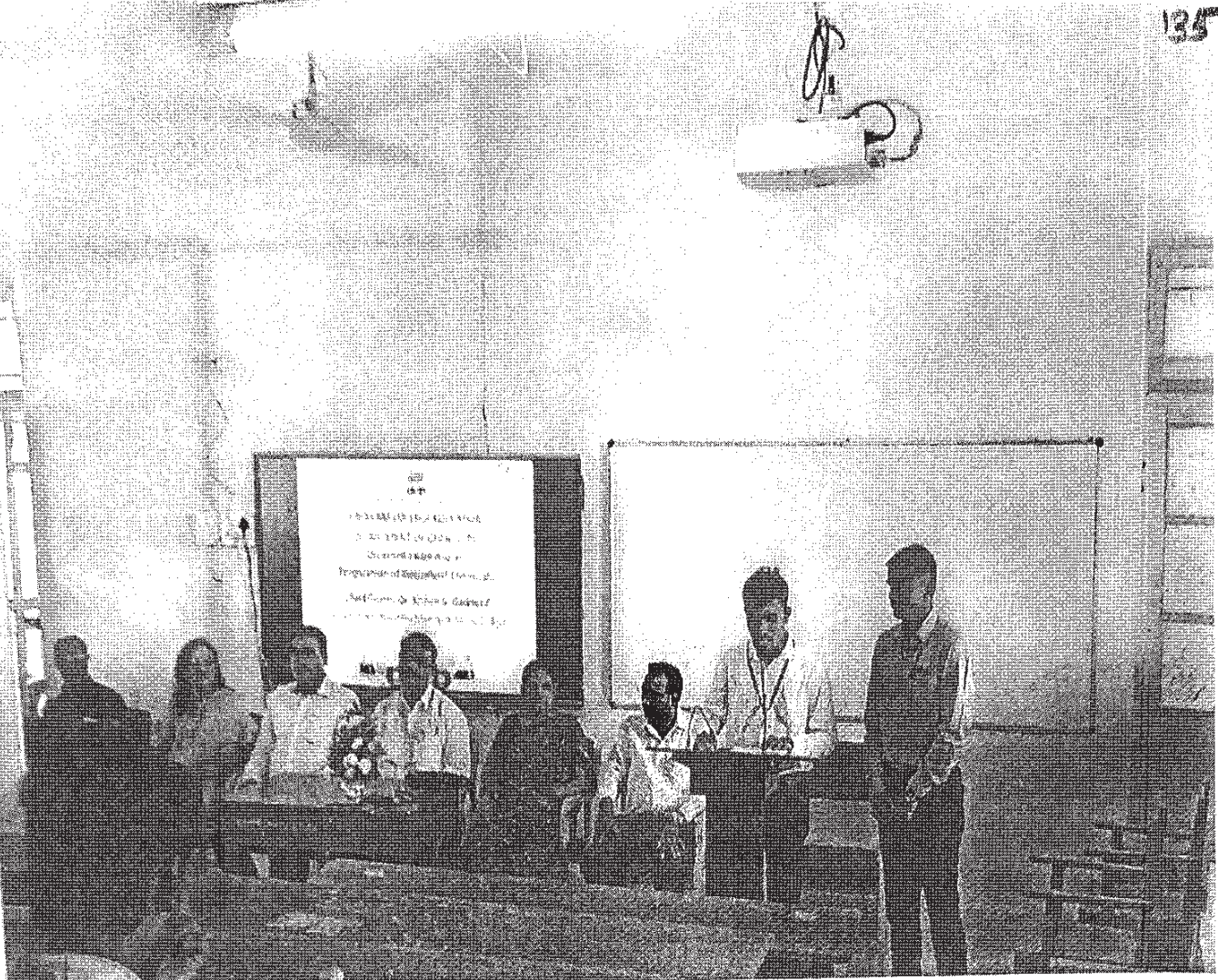
Principal

Dr. S. B. Maharaj-Patil

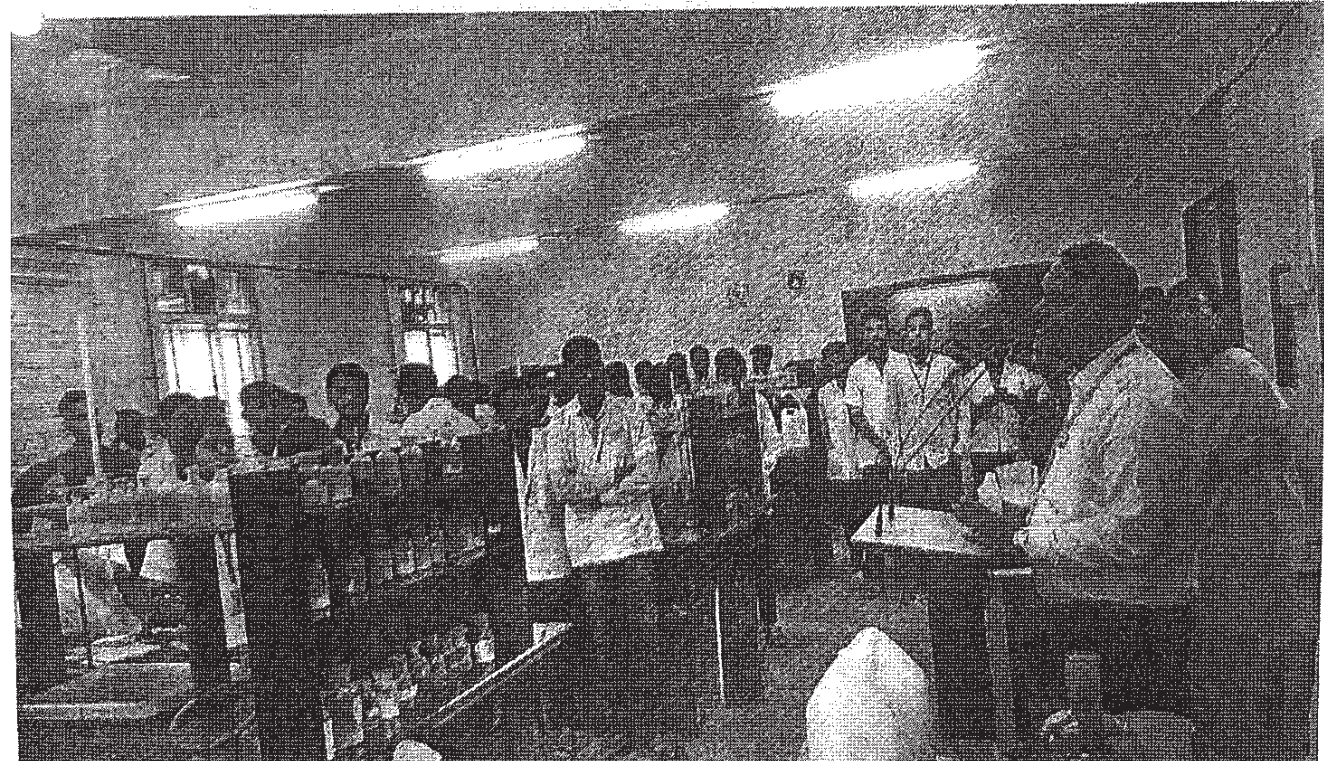
## अहवाल

राजाराम महाविद्यालय, कोल्हापूर, रसायनशास्त्र विभागामार्फत दि. २५.०४. २०२२ ते २७. ०५. २०२२ दरम्यान 'Preparation of household chemicals' या विषयावर Value added course आयोजित केला होता. सदर कोर्ससाठी B.Sc III , M.SC I आणि M.Sc II च्या एकूण १०५ विद्यार्थ्यांनी सहभाग घेतला होता. या विषयाचे प्रशिक्षण दि. १७. ०५. २०२२ रोजी रसायनशास्त्र विभागामध्ये आयोजित केले होते. सदरच्या प्रशिक्षणासाठी छत्रपती शाहू महाविद्यालय, कोल्हापूर येथील डॉ. किशोर गायकवाड यांचे मार्गदर्शन लाभले. सदरच्या प्रशिक्षणामध्ये B.Sc III , M.SC I आणि M.Sc II च्या एकूण १०५ विद्यार्थ्यांनी सहभाग घेतला होता. सदरच्या प्रशिक्षणामध्ये विद्यार्थ्यांनी विविध प्रकारचे साबण, वॉशिंग पावडर, लिक्विड डिश वॉश, नीळ आणि फिनाईल बनवण्याचे प्रशिक्षण घेतले.





Hands on Training



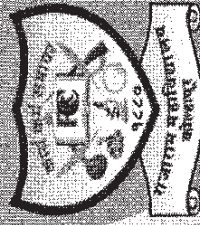




Government of Maharashtra

# RAJARAM COLLEGE KOLHAPUR

## Department of Chemistry



### Announces

## CHEM – FEST 2K22

On 28<sup>th</sup> May 2022      Time - 11:00 am to 1:00 pm      Venue - Chemistry Lab corridor

All students having chemistry as one of the subjects (at any level) are invited to participate in an open Competition.

### Poster Presentation

Topics – any topic related to chemistry

Rules :-

- 1) Material used for Competition must be eco-friendly.
- 2) Topic must involve chemistry.
- 3) Attractive representation is important, avoid book language.
- 4) Size : 1 meter x 1 meter
- 5) Maximum two participants for one poster

Contact – Akash - 9146309054, Pramod - 9370323268, Sakshi Kusale- 9604183362, Pratiksha- 7620645634

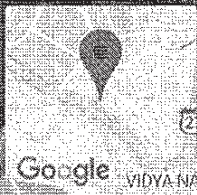
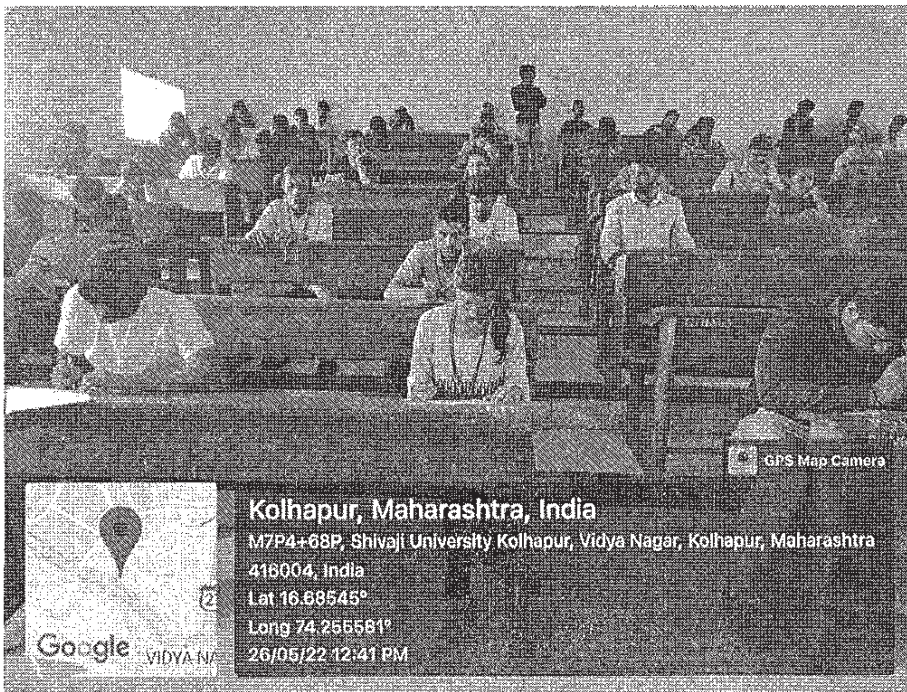




**Kolhapur, Maharashtra, India**  
M7P4185H, Shivaji University Kolhapur, Vidya Nagar,  
Kolhapur, Maharashtra 418004, India  
Lat 16.685653°  
Long 74.255434°  
28/05/22 12:26 PM



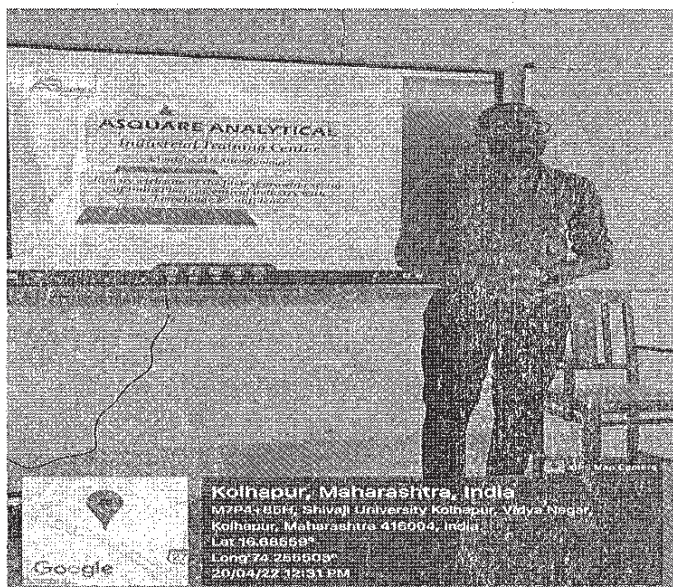
Quiz Competition



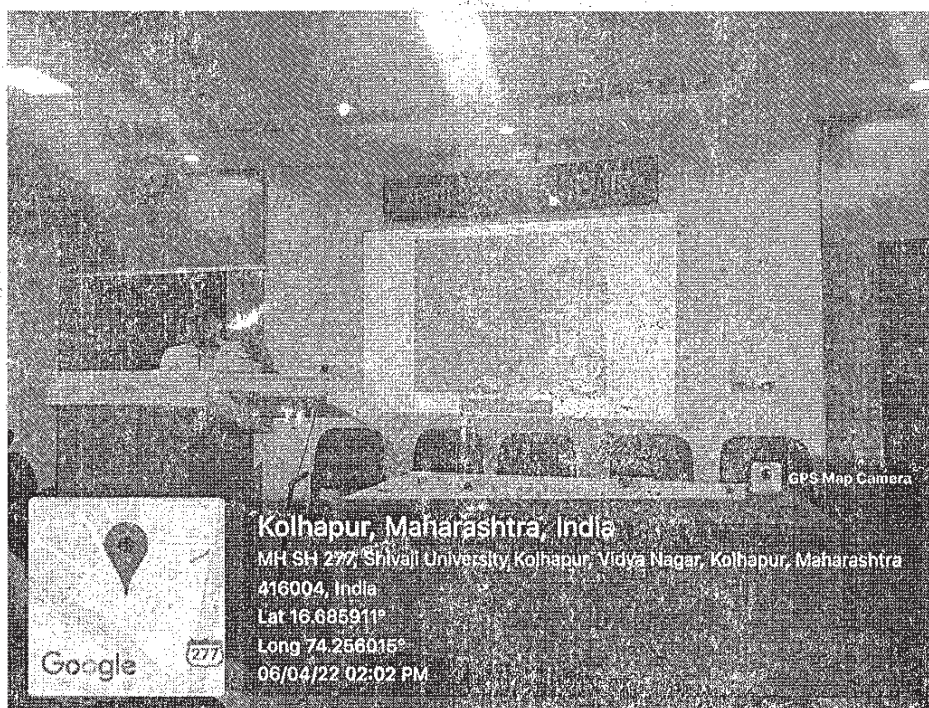
**Kolhapur, Maharashtra, India**  
M7P4+88P, Shivaji University Kolhapur, Vidya Nagar, Kolhapur, Maharashtra  
418004, India  
Lat 16.68545°  
Long 74.255581°  
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## Guest Lecture : Job opportunities in Chemistry



## Guest Lecture : Nanomaterials :An emerging and interdisciplinary field for future





**RAJARAM COLLEGE, KOLHAPUR**  
**ENVIRONMENT STUDIES REPORT 2021-22**

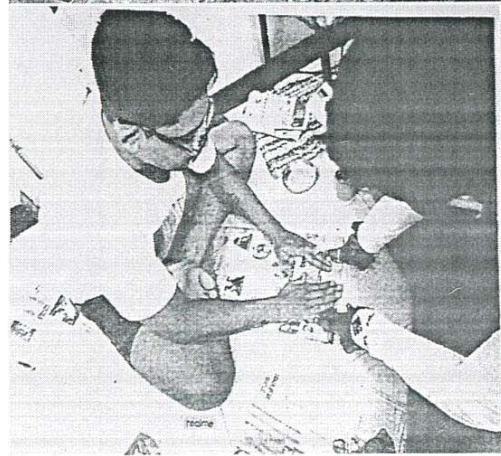
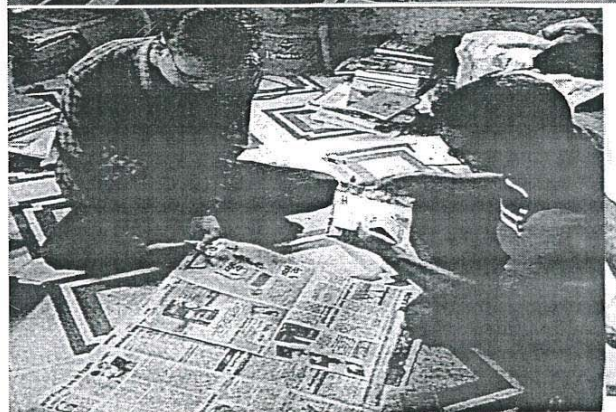
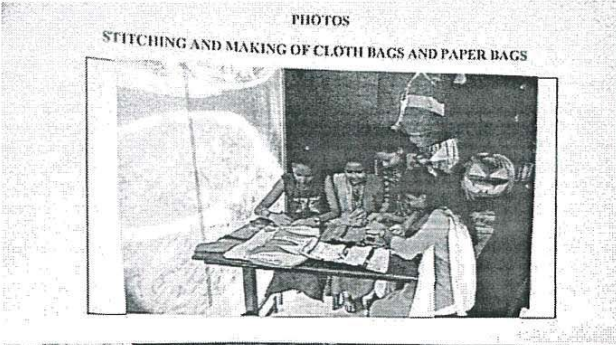
As per the syllabus of Shivaji University, Kolhapur, students of B.A., B.Com., and B.Sc. Part II have submitted project entitled "RECYCLE AND REUSE". Under the project all the students have submitted handmade paper bags made out of used/ waste paper and cloth bags made out of used/waste cloth. This project was allotted to bring about awareness among the students about the serious impact of plastic bags and their recycling problems as well as cultivate the habit of using paper and cloth bags instead. The students submitted 1194 bags in all which were beautifully conceptualised, designed and made by the students themselves. The paper bags were donated to Mr. Nayan, a Bakery owner and active member of The Conservation Foundation of India who promotes the use of paper and cloth bags to his own customers. All the cloth bags were donated to school children from Gaganbawada for carrying their tiffin boxes.

Sr.no	Class	Number of students registered for the Project	No of Cloth and Paper Bags submitted
1	B.A. II	193	386
2	B.Sc. II	267	534
3	B.Com. II	137	274
		<b>Total</b>	<b>1,194</b>





PHOTOS  
STITCHING AND MAKING OF CLOTH BAGS AND PAPER BAGS



Bata



## दाजीपुर वन्यजीव अभयारण्य

शिवाजी विद्यापीठाच्या बी.ए. भाग-३ च्या प्रात्यक्षिक पेपर १४

करिता सादर केलेला अभ्यास सहूल अहवाल

अभ्यासक

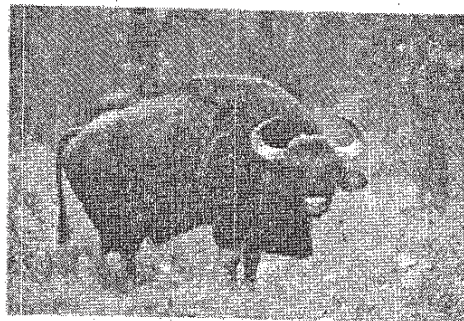
बी.ए. भाग-३ भूगोल विभागातील विद्यार्थी

सार्गदर्शक

डॉ. के.ए.माळी

एम.ए., पी एच.डी., सेट

सहयोगी प्राध्यापक



राजाराम महाविद्यालय, कोल्हापूर

भूगोल विभाग

२०२१-२०२२

