

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Computer Application

Best Practice

Title of the Practice: “Hardware Museum”

Objective of the Practice:

1. To acquaint the first year students with the internal parts of the computers and related accessories.
2. To acquaint them with some simple and regular hardware problems and their solutions.
3. The Museum aims at tackling questions and challenges faced by students.
4. Goal is to build parts that are inexpensive, easily replaceable and hopefully not produced by a company.

The Context:

BCA graduates are proficient in programming. Sometimes they are unable to manage the hardware of the system. To create an interest towards to make them address at least little hardware problems. This program was conducted for BCA first year students. The purpose of this program is to provide necessary and relevant information about hardware, so that they will know which hardware part use for which purpose and how to handle basic hardware problem.

The Practice:

To prepare this museum student collected old hardware parts of computer. All the hardware parts are labeled and placed on table. Seniors students collected the information about in which duration particular part was used and for which purpose. Seniors students explained the parts, their labels and functioning to first year students. So they understood how to use, repair and manufacture hardware parts and also what is alternative hardware for particular part was realized.

Evidence of Success:

1. Awareness on System administration.
2. Awareness on generations of computers.
3. Students became interested in hardware repairing.

Problems Encountered:

Finding old accessories of the computer.

Resources Required:

1. One unused old computer.
2. Collection of various old accessories of the computer.
3. Students as resource persons.
4. Infrastructure of computer Application lab.

Department of Computer Application 2021-22

Hardware Museum



Abhimukh

Head of Dept.
Department of Computer Application
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burl)

Dr. Kadam

Principal,
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burl)
Tal. Palus, Dist. Sangli.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of BCA
Hardware Museum

Attendance Sheet

Date: 07/12/2021

Sr. No.	Name of the Student	Sign
1	OMKAR NIGONDA PATIL	<u>Omkar</u>
2	ASHVINI SHRIKANT BHOSALE	<u>Ashvin</u>
3	SANIKA SURESH CHAVAN	<u>Schavan</u>
4	SUPRIYA RAGHUNATH HANDE	<u>Shande</u>
5	BHARATI VIKAS JADHAV	<u>Bhadhav</u>
6	GAYATRI GANPATRAO JADHAV	<u>GJadhav</u>
7	MAYURI DEEPAK JADHAV	<u>MDhav</u>
8	PRADNYA MANIK JADHAV	<u>PMS</u>
9	SAMRUDDHI HANMANT JADHAV	<u>Samhi</u>
10	SANIKA UTTAM JADHAV	<u>Syadhav</u>
11	SHIVANI PRAKASH JADHAV	<u>Shivani</u>
12	SHWETA DHONDIRAM JADHAV	<u>Shadhav</u>
13	SANIKA VIKAS MHALKAR	<u>Smk</u>
14	ANUSHKA NIVAS NALAWADE	<u>Anushka</u>
15	RUCHITA RAMESH NALAWADE	<u>RNalawade</u>
16	SANIKA LAXMAN NIKAM	<u>GNikam</u>
17	SANIKA TUKARAM PATIL	<u>GPatil</u>
18	VAISHNAVI JAYWANT PAWAR	<u>VPawar</u>

H. Borwade

HOD Dept.
Department of Computer Application
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of BCA
Hardware Museum

Attendance Sheet

Date: 26/04/2022

Sr. No.	Name of the Student	Sign
1	OMKAR NIGONDA PATIL	<u>OPatil</u>
2	ASHVINI SHRIKANT BHOSALE	<u>ABhosale</u>
3	SANIKA SURESH CHAVAN	<u>Shavan</u>
4	SUPRIYA RAGHUNATH HANDE	<u>Shande</u>
5	BHARATI VIKAS JADHAV	<u>Bechhav</u>
6	GAYATRI GANPATRAO JADHAV	<u>GJadhav</u>
7	MAYURI DEEPAK JADHAV	<u>MJbh</u>
8	PRADNYA MANIK JADHAV	<u>Prad</u>
9	SAMRUDDHI HANMANT JADHAV	<u>Samhj</u>
10	SANIKA UTTAM JADHAV	<u>Syadhm</u>
11	SHIVANI PRAKASH JADHAV	<u>Shadhav</u>
12	SHWETA DHONDIRAM JADHAV	<u>Shadhav</u>
13	SANIKA VIKAS MHALKAR	<u>Smk</u>
14	ANUSHKA NIVAS NALAWADE	<u>Anushka</u>
15	RUCHITA RAMESH NALAWADE	<u>Rnalawade</u>
16	SANIKA LAXMAN NIKAM	<u>SNikam</u>
17	SANIKA TUKARAM PATIL	<u>SPatil</u>
18	VAISHNAVI JAYWANT PAWAR	<u>VJPawar</u>

ABorunk
HOD
Head of Dept.
Department of Computer Application
Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Computer Application

Course Name-Best Practice

Date- 01-06-2022

Name of the Student- Tadhav Gayatri Ganpatrao

FEEDBACK FORM

1) What is your overall assessment of the best practice? (1= insufficient – 5=excellent)

1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☒

2) Which topics or aspects of the practice did you find most interesting or useful?

Regular hardware problem and their solution

3) Knowledge and information gained from this best practice?

Met your Expectations

☒ Yes

No

Somehow

Will be useful /Applicable in our work

Definitely

☒ Mostly

Somehow

Not at all

4) Comments and Suggestions

No

Tadhav
Signature



Rayat Shikshan Sanstha's

**Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)**



Department Of BCA



Rayat Shikshan Sanstha



2021-22

TABLE OF CONTENTS

Sr. No.	Content	Page No.
1.	Message from the Principal	1
2.	Introduction	2
3.	Statement of purpose	3
4.	Execution	4
5.	Photo gallery	6

Message from the Principal:



Rayat Shikshan Sanstha is a one of the biggest and leading Indian educational organization in Asia founded by Honorable Padmabhushan Dr. Karmaveer Bhaurao Patil in 1919. Its aim is to provide education to students from deprived, downtrodden section of society, free from consideration of caste, creed, sex, economic status and religion from rural Maharashtra. Our college belongs to Rayat Shikshan Sanstha and is an outcome of visionary educational mission of Karmaveer Anna.

This is one of the best practices of our college encouraging students to build with parts that are inexpensive, easily replaceable, and hopefully not produced by a company. I appreciate the efforts taken by BCA department. And wish they would conduct more such practices for improvement of our college student.

Introduction

This Practice provides necessary and relevant information about hardware of a computer. The goal of this practice to build a parts that are inexpensive, easily replaceable and hopefully not produced by the company. BCA first year students have theoretically learned parts of computer from different subjects but through this museum they can actually see and do the practice with the help of the faculty that time they realized how to assemble the parts of computer and which part work properly with which components.

This practice promote the students to solve the simple hardware problems. So that they also become skilled in hardware as like software programming.

Statement of Purpose:

To create an interest toward to make them address at least little hardware problems. The Museums are providing the initial inputs to Hardware manufacturing. This means that anyone can study, modify, distribute, make, or sell hardware based upon these designs.

Objective:

1. To acquaint the first year students with the internal parts of the computers and related accessories.
2. To acquaint them with some simple and regular hardware problems and their solutions.
3. The Museum aims at tackling questions and challenges faced by students.

Aim:

The aim of the practice is to build parts that are inexpensive, easily replaceable, and hopefully not produced by a company.

Constitution:

Mrs. Borade N.S.	Chairman
Ms.Mali A.A.	Coordinator
Mrs.Mestri S.Y.	Member
Ms.Deshmukh A.S.	Member
Ms.Jadhav G.G.	Student Member

Execution:

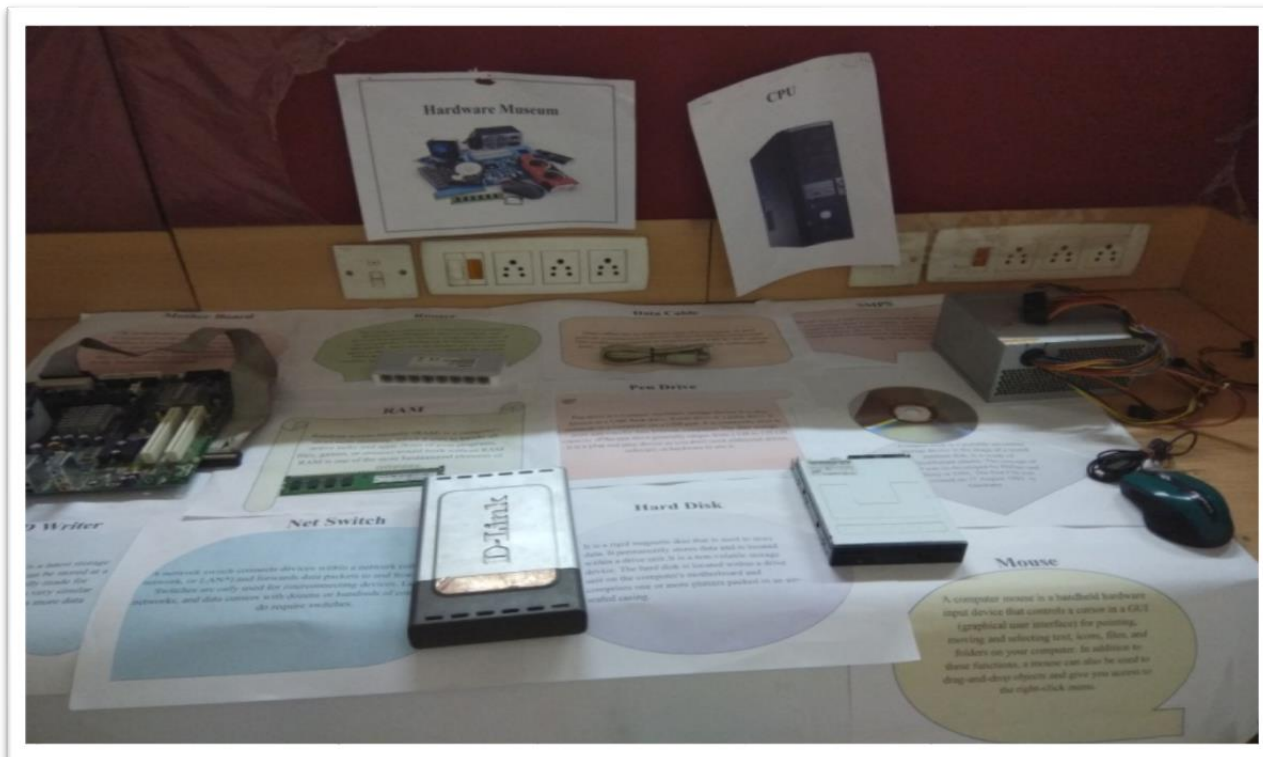
To prepare this museum student collected old hardware parts of computer. All the hardware parts are labeled and placed on table. Seniors students were collected the information about in which duration particular part was used and for which purpose. Total 18 students are participated in this activity. Seniors students explained the parts, their labels and functioning to first year students. So they understood how to use, repair and manufacture hardware parts and also what is alternative hardware for particular part was realized.

The following hardware parts are included in museum:

1. **CPU:** The component of a computer system that performs the basic operations (such as processing data) of the system, that exchanges data with the system's memory or peripherals, and that manages the system's other components.
2. **Motherboard:** A motherboard is the main printed circuit board (PCB) in a computer. The motherboard is a computer's central communications backbone connectivity point, through which all components and external peripherals connect.
3. **DVD Writer :** In computing, an optical disc drive (ODD) is a disc drive that uses laser light or electromagnetic waves within or near the visible light spectrum as part of the process of reading or writing data to or from optical discs.
4. **RAM:** RAM (Random Access Memory) is the hardware in a computing device where the operating system (OS), application programs and data in current use are kept so they can be quickly reached by the device's processor. RAM is the main memory in a computer.
5. **Router:** A router is a physical or virtual appliance that passes information between two or more packet-switched computer networks. A router inspects a given data packet's destination Internet Protocol address (IP address), calculates the best way for it to reach its destination and then forwards it accordingly.
6. **Net Switch:** A network switch connects devices (such as computers, printers, and wireless access points) in a network to each other, and allows them to 'talk' by exchanging data packets. Switches can be hardware devices that manage physical networks, as well as software-based virtual devices.
7. **Data Cable:** A data cable transmits information in the form of binary electrical communication signals between systems. This binary data consists of a sequence of ones and zeros as electrical signals. The type of data cable you need depends on the environment.

8. **Pen Drive:** The definition of a pen drive is small storage device shaped like a pen with built-in data storage that connects to a computer by a USB port. An example of a pen drive is a pen with a hidden USB port for saving data.
9. **Hard Disk:** A hard disk is a storage device for computers. These are discs made of aluminum/glass with a magnetic coating, which stores the information. This magnetic storage is the reason for data being stored distinct from the computer, unlike RAM, where the memory is lost the moment the computer is shut down.
10. **SMPS:** A switched-mode power supply (SMPS) is an electronic circuit that converts power using switching devices that are turned on and off at high frequencies, and storage components such as inductors or capacitors to supply power when the switching device is in its non-conduction state.
11. **Mouse:** A computer mouse (plural mice, sometimes mice) is a hand-held pointing device that detects two-dimensional motion relative to a surface. This motion is typically translated into the motion of a pointer on a display, which allows a smooth control of the graphical user interface of a computer.
12. **CD:** compact disc (CD), a molded plastic disc containing digital data that is scanned by a laser beam for the reproduction of recorded sound and other information. Since its commercial introduction in 1982, the audio CD has almost completely replaced the phonograph disc (or record) for high-fidelity recorded music.

Photo Gallery:





Rayat Shikshan Sanstha's,
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Botany

Best Practices- PRAYAS

Title: “Drip Irrigation” need of Agriculture Water Management

Objectives:

- Be aware of the farm's characteristics (including surroundings water courses, the level of water stress, availability and quality of water resources, soil type)
- Based on these, choose the best location for crop production.
- Plan water harvesting and storage units if necessary.
- Set a management plan for potential pollutants: Nutrient & pesticide management, erosion, animal feeding operations, grazing management and irrigation water management.
- Reduce soil erosion and improve water infiltration by ploughing along contours and use conservation tillage where appropriate.
- Assess the different soil types, its water holding capacity and readily available water capacity of each of the soil types in the farm.
- Use best available water-efficient irrigation systems. Reduce evaporation by avoiding midday irrigation and using drip irrigation techniques.

The Context

As our college lies in the vicinity of agricultural land most of our students of our college are belonging from agricultural background. So most of the students came upto us to do request for giving suggestions on their problems which they were facing. Their problems were with the irrigation system in their field. As this village resides on the Banks of Krishna river there is plenty of water for the field so the problem of water logging was observed. This resulted into increase in soil salinity, this could be the problem for the farmers so we visited various farms and discussed with the farmers on water management. And also talk over on the importance of Drip Irrigation.

Drip irrigation systems deliver water directly to a plant's roots, reducing the evaporation that happens with spray watering systems. Timers can be used to schedule watering, for further reducing water loss. Properly installed drip irrigation can save up to 80 percent more water than conventional irrigation, and can even contribute to increased crop yields.

The Practice

Water is important for optimum production of crops both in terms of quality and quantity. Increasing population is leading to increase in demand of food and as we know that agriculture uses a considerable portion of the water. So, we can say that the demand of water is increasing with the demand of food. About 70% of the global freshwater is used in agriculture. In many developed countries this use has been decreased because of increase in the use of irrigation practices with higher water use efficiency like drip irrigation.

Department of Botany organized two visits in each Semester in the year 2021-22 on-site workshop for the farmers to overcome their problem. Where we suggested to the farmer new system of irrigation which was Drip irrigation. Good agricultural practices as managing soil fertility and reducing land degradation can increase water efficiency.

Drip irrigation is an efficient irrigation method that delivers water slowly and directly to the plant root systems when network of pipes. It reduces the loss of water due to evaporation which is very common in other type of irrigation methods like flooding. It is also called as micro irrigation.

Evidence of Success

Drip irrigation system was implemented in the sugarcane field by the farmers. After some months we visited the field and the result got was amazing. This increased their yield also and the problem of water logging was solved. This is how we guided farmers on water management for their field and this was very beneficial for them.

Problems Encountered and Resources Required

Farmers hesitate to adopt new methods of irrigation firstly, later by understanding the importance they start to try. But due to non familiar to this method the installation process needs time. Tubes get clogged sometimes. Water cannot pass through and roots get dehydrated. If Drip Irrigation is not installed properly, then it is a waste of time, water and heat. Management of the drip irrigation system requires proper knowledge of the system, climate and environmental conditions for the growing crop. The impact of climate variables for plant growth and production in different season should be properly understood so that management practices for optimum production can be achieved.



Head of Dept.
Department of Botany
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)



Principal,
Dr. Patangrao Kadam Mahavidyalaya.
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.

Rayat Shikshan Sanstha's,
**Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar
(Burli)**

Department of Botany



PRAAYAS



2021-22

Table of Contents:

1. Message from the Principal
2. Introduction
3. Statement of purpose
4. Execution
5. Summary
6. Photo gallery



Message from the Principal

Rayat Shikshan Sanstha is a one of the biggest and leading Indian educational organization in Asia founded by Honorable Padmabhushan Dr. Karmaveer Bhaurao Patil in 1919.

Its aim is to provide education to students from deprived, downtrodden section of society, free from consideration of caste, creed, sex, economic status and religion from rural Maharashtra. Our college belongs to Rayat Shikshan Sanstha and is an outcome of visionary educational mission of Karmaveer Anna. It works according to vision of Sanstha.

The Prayas team of botany department make a good effort with an aim “Drip Irrigation” need of Agriculture Water Management. By awaring Farmers of the current and the upcoming competition for water so then they know that the adoption of efficient irrigation systems is beneficial for them. This is step ahead of social commetment and for the sake of awarness.

I appreciate the efforts taken by Department of Botany and wish them good luck.

Principal

INTRODUCTION

As our college lies in the vicinity of agricultural land most of our students of our college are belonging from agricultural background. So most of the students came upto us to do request for giving suggestions on their problems which they were facing. Their problems were with the irrigation system in their field. As this village resides on the Banks of Krishna river there is plenty of water for the field so the problem of water logging was observed. This resulted into increase in soil salinity, this could be the problem for the farmers so we visited various farms and discussed with the farmers on water management. And also talk over on the importance of Drip Irrigation.

Drip irrigation systems deliver water directly to a plant's roots, reducing the evaporation that happens with spray watering systems. Timers can be used to schedule watering, for further reducing water loss. Properly installed drip irrigation can save up to 80 percent more water than conventional irrigation, and can even contribute to increased crop yields.

Best Practices- PRAYAS

Title: “Drip Irrigation” need of Agriculture Water Management

STATEMENT OF PROBLEM

Objectives:

- Be aware of the farm's characteristics (including surroundings water courses, the level of water stress, availability and quality of water resources, soil type)
- Based on these, chose the best location for crop production.
- Plan water harvesting and storage units if necessary.
- Set a management plan for potential pollutants: Nutrient & pesticide management, erosion, animal feeding operations, grazing management and irrigation water management.
- Reduce soil erosion and improve water infiltration by ploughing along contours and use conservational tillage 4 where appropriate.
- Assess the different soil types, its water holding capacity and readily available water capacity of each of the soil types in the farm.
- Use best available water-efficient irrigation systems. Reduce evaporation by avoiding midday irrigation and using drip irrigation techniques.

EXECUTION

Water is important for optimum production of crops both in terms of quality and quantity. Increasing population is leading to increase in demand of food and as we know that agriculture uses a considerable portion of the water. So, we can say that the demand of water is increasing with the demand of food. About 70% of the global freshwater is used in agriculture. In many developed countries this use has been decreased because of increase in the use of irrigation practices with higher water use efficiency like drip irrigation.

Department of Botany organized two visits in each Semester in the year 2021-22 on-site workshop for the farmers to overcome their problem. Where we suggested to the farmer new system of irrigation which was Drip irrigation. Good agricultural practices as managing soil fertility and reducing land degradation can increase water efficiency.

Drip irrigation is an efficient irrigation method that delivers water slowly and directly to the plant root systems when network of pipes. It reduces the loss of water due to evaporation which is very common in other type of irrigation methods like flooding. It is also called as micro irrigation.

SUMMARY

Farmers hesitate to adopt new methods of irrigation firstly, later by understanding the importance they start to try. Drip irrigation system was implemented in the sugarcane field by the farmers. After some months we visited the field and the result got was amazing. This increased their yield also and the problem of water logging was solved. This is how we guided farmers on water management for their field and this was very beneficial for them.

Management of the drip irrigation system requires proper knowledge of the system, climate and environmental conditions for the growing crop. The impact of climate variables for plant growth and production in different season should be properly understood so that management practices for optimum production can be achieved.

PHOTOGALLERY

First visit on 29/03/2022



On site workshop for the farmers on the water management



Farmer working in his farm

Second Visit on 11/04/2022



Students convincing the farmer to use of Drip Irrigation



Students discussing with farmers about biofertilizers given through Drip Irrigation


Third visit on 07/05/2022




Satisfied farmer after using of Drip Irrigation



Problem solving of the farmers on the water management


Head of Dept.
Department of Botany
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)




Principal,
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.



Rayat Shikshan Sanstha's,

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Botany

Best Practices - PRAYAS

Report

Date: 12/05/2022

As our college lies in the vicinity of agricultural land most of our students of our college are belonging from agricultural background. So most of the students came upto us to do request for giving suggestions on their problems which they were facing. Their problems were with the irrigation system in their field. As this village resides on the Banks of Krishna river there is plenty of water for the field so the problem of water logging was observed. This resulted into increase in soil salinity, this could be the problem for the farmers so we took a parents-teacher meeting on water management.

Department of Botany organized three visits in the year 2021-22 on-site workshop on "Drip Irrigation" need of Agriculture Water Management" for the farmers to overcome their problem. Where we suggested to the farmer new system of irrigation which was Drip irrigation. Good agricultural practices as managing soil fertility and reducing land degradation can increase water efficiency.

Drip irrigation is an efficient irrigation method that delivers water slowly and directly to the plant root systems when network of pipes. It reduces the loss of water due to evaporation which is very common in other type of irrigation methods like flooding. It is also called as micro irrigation.

Drip irrigation system was implemented in the sugarcane field by the farmers. In the next month we visited the field and the result got was amazing. This increased their yield also and the problem of water logging was solved. This is how we guided farmers on water management for their field and this was very beneficial for them.

Outcome: This increased their yield also and the problem of water logging was solved.

Beneficiaries: 51 students of the School and 08 Farmers

Glimpses of Guidance to Farmers On Drip Irrigation

Ist visit Dated on 29/3/ 2022




IInd visit Dated on 11/04/ 2022




IIIrd visit Dated on 07/05/ 2022




Head of Dept.
Department of Botany
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)




Principal,
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.

Rayat Shikshan Sanstha's,
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Botany

Best Practices- PRAYAS


Title: "Drip Irrigation" need of Agriculture Water Management

Beneficiary's/ Participant List


Date:

Sr. No.	Name of Participants	Signature
1	Anil Shamrao Patil	<u>BSP.</u>
2)	Dhananjay Shankar Patil	<u>B. Patil</u>
3)	Ajay Ashok Mohite	<u>Ajay</u>
4)	Ashok Pattahday Mohite	<u>A. D. Mohite</u>
5)	Tushar Rajendra Nikam	<u>Tushar</u>
6)	Mahadev Balkrushna Mohite	<u>M. Mohite</u>
7)	Sarjerao Sadashiv Navadkar	<u>S. Navadkar</u>
8)	Amjad Gulmohammad Pathan	<u>A. Pathan</u>
9)	Nalawade Vijay Balasa	<u>वी. जी. नालवडे</u>
10)	Rajaram Bhimrao Suryawanshi	<u>R. B. Suryawanshi</u>
11)	Sanjay Bhimrao Durgawanshi	<u>Sanjay</u>
12)	Bhalchandra Mansingrao Patil	<u>B. Patil</u>
13)	Babaso Shidu Pawar	<u>B. Pawar</u>
14)	Bajirao Shidu Pawar	<u>B. S. P.</u>
15	Sarjerao Shidu Pawar	<u>SSP</u>
16)	Manik Vittal Pawar	<u>M. V. Pawar</u>
17)	Jeishaidhar Rajendra Jadhav.	<u>जी. रा. जाधव</u>
18)	Rajendra Bapu Jadhav.	<u>रा. बा. जाधव</u>
19)	Sanjay Shankha Howal	<u>संजय ठोवाल</u>

20]	pradhaal f. Jadhav	Jadhav
21]	pavan pradhaal Jadhav	Prav
22]	Avinosh shankar Patil	Patil
23]	Vinayak Dattatey Atbune	Atbune
24]	Satish Dagadu Alwale	रमेश दगडु माथेकर.
25]	Bodhale Anil pandurang.	बोधले अनिल पांडुरंग.
26]	Patil Arjun Babas Babaso	Patil
27]	patil Ramesh Anadha	रमेश रमेश आनंदा
28]	Jadhav Sangram Dinkar	संग्राम-दि. जाधव.
29]	Pharaji Lalasa kumbhar	Pharaji
30]	Harmanant Bhagwan Patil	H.B.P.
31]	Pravin Ganpati Salunkhe	P.G.S.
32]	Sahil chandrakant naingde	Sahil
33]	संजय दत्तदत्त नांगडे	S.D.V
34]	Hamid Rajak Nadas	H.R.
35]	Alfej Hamid Nadas	Alfej
36]	Shivam Pravin Salunkhe	Shivam
37]	Rajaram baso Jadhav	राजाराम बासो जाधव.
	Shubham Rajaram Jadhav	Shubham


Head of Dept.
Department of Botany
 Dr. Patangrao Kadam Mahavidhyalaya,
 Ramanandnagar (Burli)




Principal,
Dr. Patangrao Kadam Mahavidyalaya,
 Ramanandnagar (Burli)
 Tal. Palus, Dist. Sangli.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
DEPARTMENT OF CHEMISTRY
Best Practice/s (2021-22)

No. : 1

23/05/2022

TITLE OF THE PRACTICE: "Marketing Survey of Household Chemicals"

➤ **OBJECTIVE OF THE PRACTICE:**

To prepared disinfectant for the household purpose.

To develop the entrepreneurship among the students through marketing survey.

➤ **THE CONTEXT:**

The Department of Chemistry conduct the short term certificate course "Preparation of household chemicals "since 2017.The duration of this course is 3months.In this year 50 students were admitted for this course.

The total marks for this course was 100.In this course there was three papers

i) Basic concept of household chemicals ii) Mechanism, Precaution and cleaning action of household chemicals ii) Practical paper.

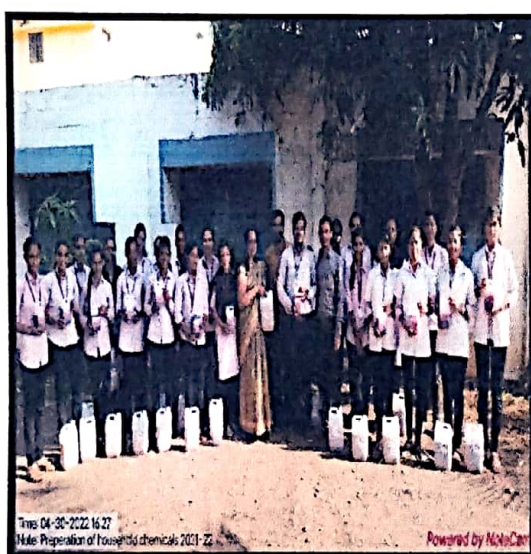
➤ **THE PRACTICE:**

Preparation of liquid soap, white phenyl, black phenyl and market survey of these household chemicals by visiting shopkeepers. This course is successfully completed by the B.Sc. part III students. 100 marks exam was conducted in two session paper I and paper II for academic year 2021-22.

➤ **EVIDENCE OF SUCCESS:**

In this certificate course they have prepared 5 liters liquid soap, white phenyl, black phenyl by each student. Through this course students doing market survey and build up the marketing and communication skill to get self-employed. Some photographs shown below while doing the household chemicals.

Preparation of liquid soap, white phenyl, black phenyl



Marketing Survey

Bayer Molecular Nutrition

Dr. Prasangra Kishan Mahalingappa Ramasubramanian (Dr.)

Department of Chemistry

Marketing Survey 201-13

Name of the Student: Miss Shweta Mahadeva Jeyaraj

Sr. No.	Name of the Shop	Liquid Physyl / month	Sanitary Aid / month	Liquid Soap / month	Soap / Soap
1)	Maharaja Pharmacy	90 x 100 ml	74 x 100 ml	94 x 100 ml	70 x 100 ml
2)	Maharaja Medical	15 x 100 ml	30 x 100 ml	30 x 100 ml	30 x 100 ml
3)	Prakash Medical	30 x 100 ml	30 x 100 ml	30 x 100 ml	30 x 100 ml
4)	Shri Mahalingappa Medical	30 x 100 ml	30 x 100 ml	30 x 100 ml	30 x 100 ml
5)	Prakash Pharmacy	30 x 100 ml	30 x 100 ml	30 x 100 ml	30 x 100 ml

Dr. Prasangra Kishan Mahalingappa Ramasubramanian

name : Sanjivani bhaskar dattatreya
Roll no. : 2252

Exam: Entrance Semester 1
Dr. Pabargan Kishan Mahadevji Shree Ramamandogar (Shree)
Department of Chemistry
Working hours 2021-22

Name of the Student

Sl. No	Name of the thing	1 April 2021 (marks)	Student's total (marks)	1 April 2021 (marks)	Sl. No
1)	Ashant Medical	20	18	27	
2)	Shree Mayappa Medical	16	23	24	
3)	Paharanda Medical	15	19	29	
4)	Vijaya Medicals	15	11	16	
5)	Shivram Medical	11	24	25	

- **PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:**
There is no any problems encountered in this preparation of household chemicals.


- **The resources required:**


Apparatus: beakers, stirrer, measuring cylinders, containers, etc.

Chemicals: pine oil, cresol, TR0, acid slurry and others ingredients.

- **NOTE (OPTIONAL):**

One of the student of our department **Mr. Samarth Uttam Patil** has started his business of household chemicals from the year 2020. He earn near about 30,000/- per month.


Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)


Principal,
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.

TITLE OF THE PRACTICE: "Chem-VissionBook"

➤ **OBJECTIVE OF THE PRACTICE:**

To inculcate the research aptitude and develop the scientific approach amongs the students.

To develop the research paper writing skill among the students.

➤ **THE CONTEXT:**

The Department of Chemistry conducts various student centric activities in every academic year. One of the most important activity carried out by our department i.e. Chem-Vision book. It was started from the academic year 2017-18 and published the 1st issue of the departmental publication entitled "Golden Jubilee Year Special Issue Chem-Vision 2017-18, by the auspicious hands of Hon. Prin. Dr. S.T. Salunkhe ASC College Ramanandnagar (Burli) on 21.01. 2019 .On the occasion of the golden jubilee year of our college.

➤ **THE PRACTICE:**

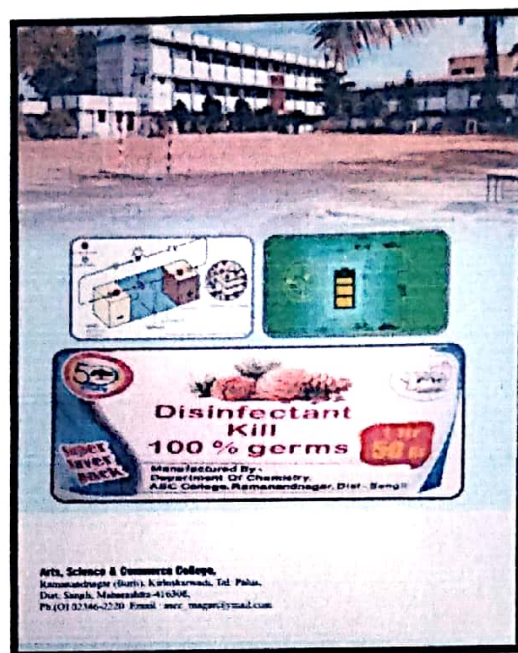
In this activity we distributed the research project to the B.Sc. Part-III Chemistry students in the group of three students and after completion of the project, we published this project in the form of book. In order to increase the research culture amongst the students .Last three years, we published the CHEM—VISIONBOOK issue with ISBN no.

➤ **EVIDENCE OF SUCCESS:**

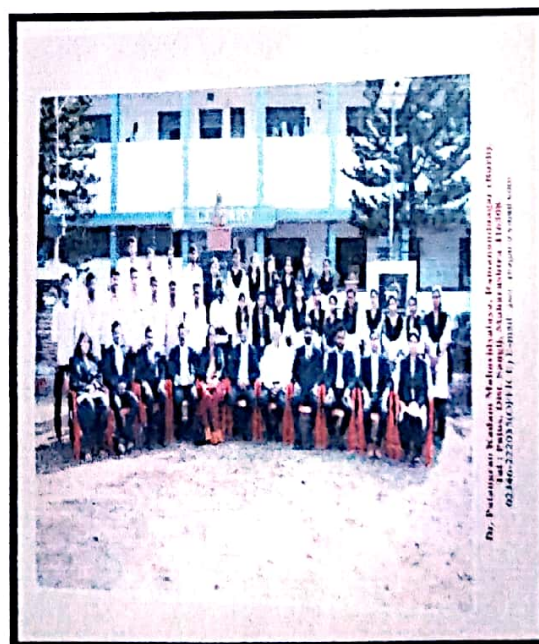
We have published four issues of Chem-Vission Book with ISBN No.since 2017.



Publication of Departmental Publication "Chem-Vision" 2020-21 by the auspicious hand Mr. Parsad Patil and Hon. Prin. Dr. L.D. Kadam on 11/05/2022



Departmental Publication "Chem-Vision 2019-20" 20



Departmental Publication "Chem-Vision 2020-21" 21

➤ **PROBLEM ENCOUNTERED AND RESOURCE REQUIRED:**


There is no any problem encountered in this preparation of Chem—Vision Book”

➤ **RESOURCE REQUIRED :**

Research projects, printing press, printing papers, colored printers. Etc.

➤ **NOTE(OPTIONAL):**

Institute provides the ISBN No. To each issue of Chem-Vision Book.


Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)


Principal,
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.



Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Tal:-Palus,Dist.:-Sangli

Department of Chemistry

Best Practices

Marketing Survey of Household Chemicals

2021-22

Table of Contents

1. Message from the Principal

2. Introduction

3. Objectives of Best Practice

4. The Context

5. The Practice

6. Evidence of Success

7. Problems encountered and resources required

➤ **Message from the Principal**



Rayat Shikshan Sanstha is one of the biggest and leading Indian educational organization in Asia founded by Honorable Padmabhushan Dr. Karmaveer Bhaurao Patil in 1919. Its aim is to provide education to students from deprived, downtrodden section of society, free from consideration of caste, creed, sex, economic status and religion from rural Maharashtra. Our college belongs to Rayat Shikshan Sanstha and is an outcome of visionary educational mission of Karmaveer Anna. It works according to vision of Sanstha.

The aim of the practice is to develop the entrepreneurship among the students through marketing survey and to prepare disinfectant for the household purpose.

This is one of the best practices of our college demonstrating outcome of visionary of Karmaveer Anna. I appreciate the efforts taken by Department of Chemistry and wish them good health and successful life.

Principal

Dr.L. D. Kadam

➤ **Introduction:**

The department of chemistry conduct the short term course “Preparation of Household Chemicals” since 2017. The practice provides a chance for promoting the student for marketing skills. Though this course student get self-employed. The department of Chemistry conduct short course on “Preparation of Household chemicals” every year and purpose of this course is to promote the students which is basically from rural areas. In this course student get knowledge about basic concept of household chemicals and mechanism of precaution, cleaning action of household chemicals. In this course student prepare sanitary acids, liquid soaps, white phenyl and black phenyl. The outcome of this course student get knowledge about market survey of household chemicals by visiting the shops, medicals etc. Also students get the Knowledge about Requirement of the household chemicals in his areas.

➤ **OBJECTIVE OF THE PRACTICE:**

- To prepared disinfectant for the household purpose.
- To develop the entrepreneurship among the students through marketing survey.
- To encourage the students for the business
- To make the students self-employed.

➤ **THE CONTEXT:**

The Department of Chemistry conducts the short term certificate course “Preparation of household chemicals “since 2017. The duration of this course is 3 months. In this year 50 students were admitted for this course. The total marks for this course was 100. In this course there were three papers

- i) Basic concept of household chemicals.
- ii) Mechanism, Precaution and cleaning action of household chemicals.
- iii) Practical paper.

➤ **THE PRACTICE:**

Preparation of liquid soap, white phenyl, black phenyl and market survey of these household chemicals is done by visiting shopkeepers. This course is successfully completed by the B.Sc. part III students. 100 marks exam was conducted in two sessions: paper I and paper II for academic year 2021-22. The preparation of household chemicals like white phenyl is done by using pine oil, TRO (Turkey red oil) and black phenyl is done by using Cresol, TRO and caustic soda. The liquid soap is prepared by using the caustic soda, and acid slurry. After making the chemicals the proper weighing and labeling it ready to sell. After that student start to survey to know the total requirement of household chemicals. And then after all the marketing survey then can start preparation of these household chemicals as self-employed.

➤ **EVIDENCE OF SUCCESS:**

In this certificate course they have prepared 1liters liquid soap, 5 liters white phenyl, 5 liters black phenyl by each student. Through this course students doing market survey and build up the marketing and communication skill to get self-employed. Some photographs shown below while doing the household chemicals.

➤ **Photo Gallery**



Preparation of White Phenyl



Preparation of Black Phenyl





Preperation of White Phenyl and Liquid Soap

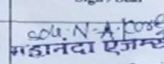
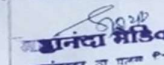
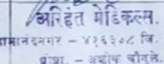






Prepared Household Chemicals White Phenyl, Black Phenyl and Liquid Soap

Rajar Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burla)
Department of Chemistry
Marketing Survey 2021-22

Name of the Student - Miss. Shweta Vasudev Sawant

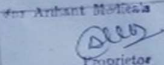

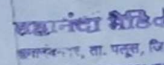

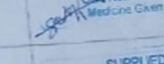
Sr. No.	Name of the Shop	Liquid Phenyl / month	Sanitary Acid / month	Liquid Soap / month	Sign / Seal
1)	Mahananda Agency	24 x 450 ml	24 x 450 ml	24 x 450 ml	 महानंदा एजेंसी रामानंदनगर, ता. पटुल, जि. सांगली 222165 223964 2
2)	Mahananda Medical	25 x 450 ml	30 x 550 ml	20 x 500 ml	 महानंदा मेडिकल रामानंदनगर, ता. पटुल, जि. सांगली
3)	Arihant Medical	50 x 1 lit	30 x 500 ml	100 x 200 ml	 अरिहंत मेडिकल रामानंदनगर - 416202 जि. सांगली ब्रांच - अर्धांग पोर्तुगेज
4)	Shri Mayappa Medical	30 x 1 lit	15 x 160 ml	100 x 60 ml	 श्री मायाप्पा
5)	Pothan Bazar	36 x 1 lit	48 x 1 lit	50 x 1 lit	 PATHAN BAZAR

Market Survey Done by the Students

Name :- Sanjivani bhaskar deshmukh
Roll No :- 1852

Rajar Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burla)
Department of Chemistry
Marketing Survey 2021-22

Name of the Student -

Sr. No.	Name of the Shop	Liquid Phenyl / month	Sanitary Acid / month	Liquid Soap / month	Sign / Seal
1)	Arihant medical	20	18	19	 Arihant Medical Ramanandnagar
2)	Shree mayappa medical	16	13	14	 श्री मायाप्पा मेडिकल रामानंदनगर, ता. पटुल, जि. सांगली
3)	Mahananda medical	15	11	10	 महानंदा मेडिकल रामानंदनगर, ता. पटुल, जि. सांगली
4)	Vijaya medicals	15	12	16	 Vijaya Medicals, Ramanandnagar Schedule HMT & Nix Drugs Date: _____ Medicine Given: _____
5)	Shriram medical	12	14	15	 SUPPLIED BY Shriram Medicals, Ramanandnagar Schedule HMT & Nix Drugs Bil No: _____ Date: _____ Medicine Given: _____

- **PROBLEMS ENCOUNTERED AND RESOURCE REQUIRED:**
There is no any problems encountered in this preparation of household chemicals.

- **The resources required:**

Apparatus: beakers, stirrer, measuring cylinders, containers, etc.

Chemicals: pine oil, cresol, TR0, acids slurry and other ingredients.

- **NOTE (OPTIONAL):**

One of the students of our department **Mr. Samarth Uttam Patil** has started his business of household chemicals from the year 2020. He earn near about 30,000/- per month.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department Of Chemistry
Short Term Certificate Course
"Preparation of Household Chemicals"

No of Beneficiary (2021-22)

Sr.No.	Name of the Students	Sign
1	Chougule Namrata Sunil	<u>Chougule</u>
2	Phalle Swarupa Sanjay	<u>Phalle</u>
3	Jdhav Maithili Satish	<u>Jdhav</u>
5	Koli Maheshwari Madhukar	<u>Koli</u>
6	Patil Rutuja Krushnrao	<u>Patil</u>
7	Patil Snehal Vikas	<u>Patil</u>
8	Sawant Shweta Vasudev	<u>Sawant</u>
9	Rankhambe Priyanka Shivaji	<u>Rankhambe</u>
10	Mulla Reshma Rahiman	<u>Mulla</u>
11	Manugade Prathmesh Pratap	<u>Manugade</u>
12	Yadav Praful Sanjay	<u>Yadav</u>
13	Pawar Swapnil Pramod	<u>Pawar</u>
14	Sawant Nilesh Sukhadev	<u>Sawant</u>
15	Gurav Vaishnavi Dadaso	<u>Gurav</u>
16	Pawar Tejaswini Madhukar	<u>Pawar</u>
17	Shinde Shweta Dilip	<u>Shinde</u>
18	Nalawade Akansha Anil	<u>Nalawade</u>

19	Ghadage Shivani Nitesh	<u>SH. Ghadage</u>
20	Kamble Kiran Devanand	<u>Kamble</u>
21	Lad Pratik Rajendra	<u>Pratik</u>
22	Vibhute Pratik Balu	<u>Ba</u>
23	Varude Guruprasad Vikas	<u>Var</u>
24	Yadav tupe Amarish Santosh	<u>Yadav</u>
25	Yadav tupe Amruta Santosh	<u>Yadav</u>
26	Pawar Somnath Baban	<u>S. Pawar</u>
27	Patil Mayur Manohar	<u>Patil</u>
28	Pawar Suraj Ravindra	<u>Pawar</u>
29	Sathe Mangal Malhari	<u>Sathe</u>
30	Khilare Rutuja Prakash	<u>Khilare</u>
31	Deshmukh Sanjivani Bhaskar	<u>Deshmukh</u>
32	Patil Saurabh Dhairysheel	<u>Patil</u>
33	Chavan Kabir Maruti	<u>Chavan</u>
34	Kumbhar Abhishek Arjun	<u>Kumbhar</u>
35	Kshirsagar Prathamesh Prashant	<u>Kshirsagar</u>
36	Lad Satyajeet Hanumant	<u>Lad</u>
37	Hande Swapnil Subhash	<u>Hande</u>
38	Pawar Omkar Prakash	<u>Pawar</u>
39	Pathan Mujib Jamir	<u>Pathan</u>
40	Deshmukh Sujit Ramchandra	<u>Deshmukh</u>

41	Marale Ritesh Sanjay	<i>Marale</i>
42	Patil Sujit Ramesh	<i>Patil</i>
43	Mulani Soheb Dastgir	<i>Mulani</i>
44	Salunkhe Rutuja Pandurang	<i>R. Salunkhe</i>
45	Varane Shreeraj Santosh	<i>Varane</i>
46	Rade Sushama Dinkar	<i>Rade</i>
47	Jadhav Kajal Sunil	<i>Jadhav</i>
48	Shirtekar Rushikesh Vishnu	<i>Shirtekar</i>
49	Arbune Tejas Ravindra	<i>Arbune</i>
50	Barbole Tejas Santosh	<i>Barbole</i>

Desai
Coordinator

Shirtekar
Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burla)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department of Chemistry
Short Term Course
“Preparation of Household Chemicals”

Event Report (2021-22)

24/05/2022

The Department of Chemistry conduct the Short term certificate course “Preparation of household chemicals” every year. The Purpose of this course is to give the marketing skill and make them self employed. The duration of this course is 3months. In this year 50 students were admitted for this course.

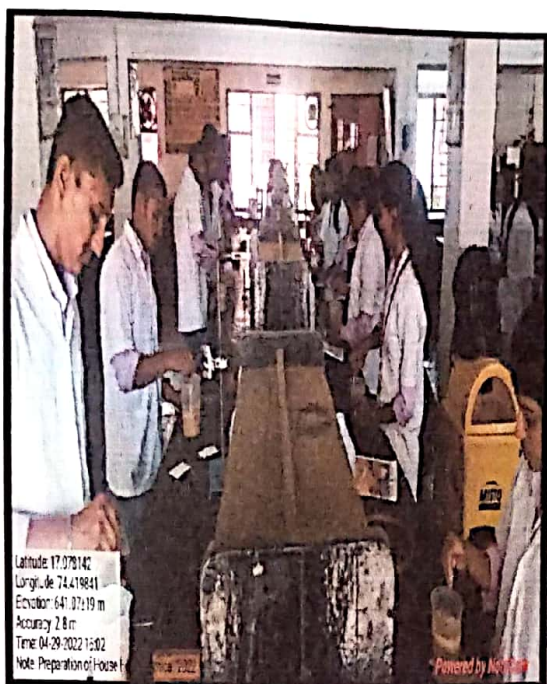
The total marks for this course was 100. In this course there was three paper i) Basic concept of household chemicals ii) Mechanism Precaution and cleaning action of household chemicals iii) practical paper which includes preparation of Sanitary acids, liquid soap, white phenyl and Black phenyl and market survey of household chemicals. This course is successfully completed by the B.Sc. part III students. 100 marks exam was conducted in two session paper I and paper II for academic year 2021-22. After successful completion of this course the Certificate would provide to students.

No. Of Beneficiary - 50

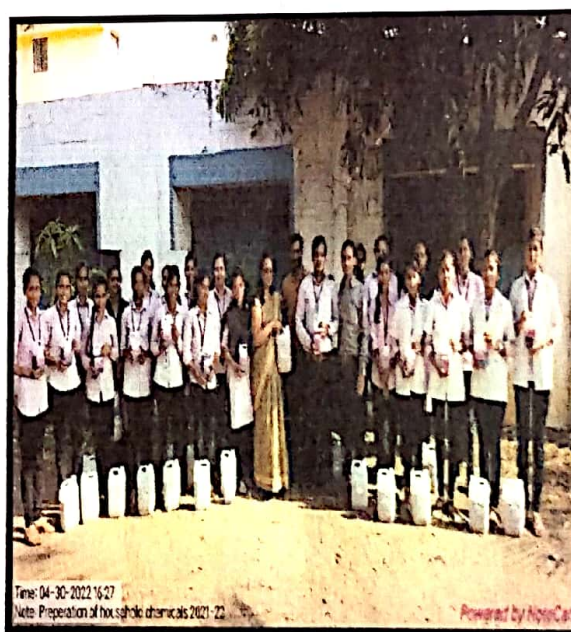
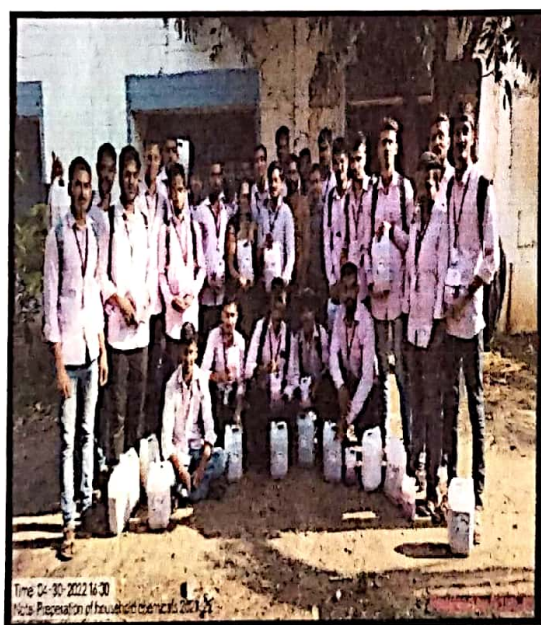
Outcomes

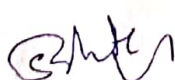
- Students get marketing skill
- Through this course students get self-employed

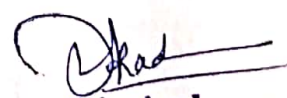




Preparation of White Phenyl, Black Phenyl and Liquid soap




Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)


Principal,
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.