

Best Practice No: I

- **Title of the Practice: Awareness and Distribution of Medicinal Plants**

- **Objectives of the Practice:**

The primary objectives of implementing the best practices in an herbal garden are as follows:

1. The purpose of the herbal garden is to educate society about the preservation and traditional applications of herbs and medicinal plants.
2. It also serves as a resource for students, Farmers, and others to learn how to recognize and protect these significant plants.
3. Popularization of importance and use of medicinal plants in the vicinity of Rahata tehsil.

- **Context:**

The practice of maintaining an herbal garden is essential in preserving and promoting the use of medicinal plants. It serves as a valuable resource for researchers, healthcare professionals, and the general public interested in herbal remedies. The context for implementing these best practices can vary, including educational institutions, botanical gardens, healthcare facilities, or community-based initiatives.

- **The Practice:**

Our Institute is located on a vast, 21-acre campus, where many trees have been grown to provide the college with a lush canopy. In addition to having an eco-friendly campus, our department of botany successfully planted new saplings of various kinds of herbals in our existing herbal garden for the finest practices for cultivating and maintaining a garden of medicinal plants for students and nearby farmers. In this garden, various medicinal plant varieties are planted which are mentioned below,

Sr. No	Botanical Name	Common Name	Sr. No.	Botanical Name	Common Name
1	<i>Gymnema sylvestres</i>	Gurmar	41	<i>Holarrhena antidysentrica</i>	Indrajar
2	<i>Adansonia digitata</i>	Baobab	42	<i>Nerium indicum Mill.</i>	Karavira
3	<i>Saraca indica Linn.</i>	Ashoka	43	<i>Vitexnegundo Linn.</i>	Nirgudi
4	<i>Annona muricata</i>	Soursop	44	<i>Menthaarvensis</i>	Pudina

5	<i>Spilanthes acmella</i> Murr.	Toothache Plant	45	<i>Caesalpinia bonducella</i> Fl.	Gray Nicker
6	<i>Mimusops elengi</i>	Spanish Cherry	46	<i>Vetiveria zizanioides</i> L.	Khus (Vala)
7	<i>Commiphora mukul</i> Hook	Guggul	47	<i>Lawsonia inermis</i>	Mehndi
8	<i>Chlorophytum borivilianum</i>	Musli	48	<i>Mimosa pudica</i>	Lajalu
9	<i>Myristica fragrans</i> Houtt.	Nutmeg	49	<i>Andrographis paniculata</i>	Bitter Weed
10	<i>Semecarpus anacardium</i> L.	Marking Nut	50	<i>Murraya Koenigii</i>	Curry Leaf
11	<i>Oroxylum indicum</i> Vent.	Tetu	51	<i>Cassia fistula</i> Linn.	Golden Shower
12	<i>Morinda citrifolia</i> Linn.	Indian Mulberry	52	<i>Bryophyllum pinnatum</i>	Panphuti
13	<i>Embelia ribes</i> Burm F.	Vidanga	53	<i>Manilkara hexandra</i>	Khirni Tree
14	<i>Piper longum</i> Linn.	Pippali	54	<i>Bauhinia variegata</i>	Orchid
15	<i>Gemelina arborea</i> Linn.	White Teak	55	<i>Tinospora cordifolia</i>	Gulvel
16	<i>Bixa Orellana</i> Linn.	Shendri	56	<i>Aleo vera</i>	Koperpad
17	<i>Rauwolfia serpentine</i>	Sarpagandha	57	<i>Saraca asoca</i>	Ashoka
18	<i>Careya arborea</i> Roxb.	Wild Guava	58	<i>Bauhinia variegata</i>	Orchid
19	<i>Swietenia mahogoni</i>	Mahogany	59	<i>Curcuma longa</i> I	Turmeric
20	<i>Cordia Dichotoma</i>	Indian Cherry	60	<i>Cissus quadrangularis</i>	Veldt Grape
21	<i>Ruta graveolens</i> Linn.	Rue	61	<i>Mangifera indica</i> L.	Mango
22	<i>Acacia concinna</i> Dc	Shikakai	62	<i>Manilkara zapota</i>	Chikoo
23	<i>Terminalia chebula</i>	Haritaki	63	<i>Calotropis procera</i>	Rue
24	<i>Withania somnifera</i> Dunal	Ashwagandha	64	<i>Citrus limon</i>	Lemon
25	<i>Cissus quadrangularis</i>	Four-angle Vine	65	<i>Cymbopogon citratus</i>	Lemon Grass
26	<i>Garcinia indica</i>	kokum	66	<i>Terminalia arjuna</i>	Arjuna
27	<i>Piper nigrum</i>	Black Pepper	67	<i>Saraca indica</i>	Ashoka
28	<i>Rita graveolens</i>	Rue	68	<i>Cocos nucifera</i>	Coconut
29	<i>Mimosa pudica</i>	Lajalu	69	<i>Leucas aspera</i>	Thumbai
30	<i>Caesulia oxillaris</i> roxb	Pink Node Flower	70	<i>Daturametel</i>	Dhotara
31	<i>Abrus precatorius</i> Linn.	Rosary Pea	71	<i>Annona reticulata</i>	Sitaphal
32	<i>Coleus aromaticus</i>	Spur Flower	72	<i>Syzygium aromaticum</i>	Clove
33	<i>Hibiscus rosa-synensis</i> L.	Jasund	73	<i>Cinnamomum tamala</i>	Tejpatta
34	<i>Tinospora cordifolia</i>	Guduchi	74	<i>Lawsonia inermis</i>	Mehndi
35	<i>Aloe vera</i> Linn.	Korpad	75	<i>Mussaenda erythrophylla</i>	RaktaParni
36	<i>Nyctanthes arbor-tristis</i> L.	Parijatak	76	<i>Ficus benjamina</i>	Ficus

37	<i>Acacia catechu willd.</i>	Kath	77	<i>Hevea brasiliensis</i>	Rubber Tree
38	<i>Plumbago rosea Linn.</i>	LalChitrak	78	<i>Garcinia indica</i>	Kokum
39	<i>Osimum Sp.</i>	Tulsi	79	<i>Passiflora caerulea.</i>	Krushna Kamal
40	<i>Eclipta alba Hassk.</i>	Maka	80	<i>Tamarindus indica</i>	Chincha

The awareness regarding medicinal plants, their conservation, and utilization among the students and farmers' department of botany has been organized through various activities. In this regard, the Department of Botany in association with IQAC and the Student Development Board has organized a Workshop on the conservation, cultivation, and enrichment of Medicinal Plants on the 4th March 2023. Dr. A.S. Wabale and D. N. Gholap guided students about the conservation and utilization of herbal Plants. About 94 students were benefitted and awarded regarding the conservation of medicinal plants in their home garden.

Likewise, the Department of Botany also organized visits to the neighboring villages and aware farmers and people about medicinal plants and their conservation. Saplings of the medicinal plants were also distributed among the farmers for plantation.

Arts, Science, and Commerce College Rahata organized the NSS Camp at the village, of Ekrukhe, Tal. Rahata. This camp was organized from 3rd January 2023 to 9th January 2023. During this period various kinds of lectures were organized by the college for NSS Volunteers and also for the villagers for awareness to the different aspects. The Department of Botany also participated in this awareness activity. Dr. V. S. Patil, Assistant Professor, Department of Botany delivered a lecture on “conservation and plantation of medicinal plants” to aware the students and villagers about the value of medicinal plants in their lives.

Evidence of Success:

The success of implementing best practices in an herbal garden can be measured through various indicators, such as:

- Due to awareness programs farmers planted medicinal plants in the vicinity of their houses.
- Positive response was observed from villagers.
- Successful cultivation and propagation of medicinal plants.
- Collaboration with local organizations like plant nurseries to promote sustainable practices by keeping saplings of medicinal plants in their nursery for sale.

Problems Encountered and Resources Required:

While implementing best practices in an herbal garden, some common challenges may arise, including:

- Limited availability of certain plant species.
- Pest and disease management.
- Adequate funding for maintenance and expansion.
- To overcome these challenges, the following resources are required:
- Expertise in horticulture and herbal medicine.
- Access to a wide variety of medicinal plant species.

By implementing these best practices, an herbal garden can serve as a valuable resource for promoting the use of medicinal plants, preserving traditional knowledge, and contributing to the field of herbal medicine.


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SSRI's,
ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Department of Botany

In collaboration with

IQAC and Students Development Board, SPPU, Pune

Organized

“Workshop on Conservation, Cultivation and Enrichment of Medicinal Plants”

Report

Department of Botany of Shirdi Sai Rural Institute's Arts, Science and Commerce, Rahata in IQAC and Students Development Board, SPPU, Pune organized a **“Workshop on Conservation, Cultivation and Enrichment of Medicinal Plants”** on Saturday, 4 March 2023 for the students. The Chief Guest Dr. Anil Wable, Vice-Principal, PVP College, Pravaranagar, and Dr. Deepak Gholap, Vice-Principal, Satral College, Satral, President Prof. (Dr.) S.S. Gholap, Principal, and Prof. Anil Mate, Student Welfare Officer, etc. were present for the workshop. Prof.

S. V. Lahare, vice-principal, Science Faculty introduced and welcomed the guest and gave brief notes about the program.

The Chief Guest Dr. Deepak Gholap explained the importance of medicinal plants from the point of view of medical science in day-to-day life. He said if the medicinal plants are conserved, it will benefit us in the future. The second chief guest Dr. Anil Wable first introduced medicinal plants and also informed the students how many medicinal plants are preserved at Kalsubai and Harishchandragad in Maharashtra. Today, youths have low immunity, premature graying of hair, hair loss, various skin diseases, etc. For this, the youth should increase the use of chemical-free herbs in their diet. Various types of dry fruits increase immunity, and intelligence and keep the body hydrated. The President Prof. (Dr.) S.S. Gholap assured that the importance of medicinal plants is the need of the hour and its benefits must have reached the students through this workshop. This initiative of Savitribai Phule Pune University, Pune is beneficial for students and therefore all students should conserve medicinal plants.

A total of 94 students benefitted from the workshop. Prof. Rupali Desai moderated the program and a vote of thanks was given by Dr. D. N. Dange. Dr. Sanjay Kadam, Dr. Pawade Vishnu, Dr. Dilip Nalage, Prof. Priyanka Pendbhaje, and Dr. Varsha Patil worked hard to make the programme successful.



Introduction and Welcome of the Guest



Lamp-lighting




Guidance by Dr. A.S. Wabale


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Head of Department of Botany


STUDENT WELFARE OFFICER
 Arts, Science & Commerce College
 Rahata, Tal. Rahata, Dist. A' Nagar.

Student Development Board


 IQAC, Co - ordinator
 ASC College, Rahata

IQAC


PRINCIPAL
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Principal

Arts, Science and Commerce College Rahata


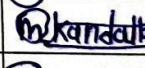




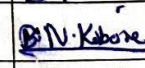
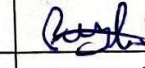



Department of Botany (2022-23)

“Distribution of Medicinal plant saplings”

The Department of Botany initiated a program to distribute medicinal plants in various communities as part of our commitment to promoting environmental awareness and the significance of herbal remedies for health and wellness. A diverse range of medicinal plants renowned for their therapeutic properties were carefully selected based on their suitability for local climates and their healing properties. Plants such as Gulvel, Amla, Arjuna, Neem and Adulsa were included in the distribution list. Previous to the distribution event, meticulous planning was conducted to ensure the smooth execution of the program. Plants were sourced from local nurseries and checked for their quality and health.

The Department of Botany remains dedicated to further initiatives aimed at promoting the cultivation of medicinal plants, fostering environmental consciousness, and empowering communities through knowledge and resources.

During the year various medicinal plants are distributed in the month of July and August 2023 among the farmers / villagers to aware and preservation of medicinal plants.

Sr. no.	Date	Name of the Farmers/Villagers	Name of the Plant	Quantity	Signature
1	13/07/2023	Subhash Limbaji Game	Gulvel	05	
2	13/07/2023	Kandalkar Shivaji Laxman	Amla	05	
3	13/07/2023	Rajendra Sureshwar Kore	Arjuna	05	
4	13/07/2023	Chaudhari Dattamaya	Adulsa	05	
5	13/07/2023	Cholke Bhausaheb Chandrabhan	Neem	05	
6	13/07/2023	Nale Dhanraj Kisan	Gulvel	05	
7	13/07/2023	Game Shamrao	Amla	05	
8	13/07/2023	Kobane Bhagwan Nirvutti	Hadjad	05	
9	13/07/2023	Pambe Dnyaneshwar	Adulsa	05	
10	13/07/2023	Gadekar Shankar	Amla	05	
11	22/08/2023	Bhagwat Ganesh. S.	Amla	05	

12	22/08/2023	Gorakshnath surangdhax Gadhave	Arjuna	05	<u>Ag</u>
13	22/08/2023	Balasaheb Rumbhax Pokule	Adulsa	05	<u>blus</u>
14	22/08/2023	Sanjay bhimraj waghre	Gulvel	05	<u>Waghre</u>
15	22/08/2023	Sonawane vijay Eknath	Gulvel	05	<u>Sonawane</u>
16	22/08/2023	Chaudhari Somnath Annesoreb.	Adulsa	05	<u>Chaudhari</u>
17	22/08/2023	Navanath suryathan Nirmal	Adulsa	05	<u>Navanath</u>
18	22/08/2023	Shriyani suramare Gorde	Arjuna	05	<u>Shriyani</u>
19	22/08/2023	Agee. Kisan	Amla	05	<u>Agee</u>
20	22/08/2023	Pacharne Labharu	Amla	05	<u>Pacharne</u>

Labharu

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“Distribution of Medicinal plant saplings”

Photographs



Distribution of medicinal plants among the farmers of Khadakewake Village



Distribution of medicinal plants among the farmers of Khadakewake Village



Distribution of medicinal plants



Staff and students engaged in an awareness program on medicinal plants

Medicinal Plants propagation in college campus by Students




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BEST PRACTICE-2

Title of the Practice- Centre For Community Engagement: Experiential Learning Through Social Commitment

Introduction

As a part of experiential learning through social commitment, Shirdi Sai Rural Institutes, Arts, Science, and Commerce College took the initiative to conduct various social activities in nearby villages. People from rural regions require awareness about new developments in science and technology, business administration, and management skills to cope with up growing Indian economy. The initiatives taken by the institute help people to adopt practices that are affordable, profitable, and environmentally benign for betterment in socioeconomic status as well as improving their knowledge regarding new techniques and technologies. By considering this, the institute utilized its state-of-the-art facilities for the incorporation of sustainability in agriculture through awareness regarding the importance of soil and water analysis, organic farming, conservation of energy, renewable energy sources, etc.

Objective of the Practice:

1. To act as a catalyst in the development of rural community
2. To make farmers aware of various modern techniques and technology so that they can use them to improve farming.
3. To aware people of the importance and use of renewable energy.
4. To aware the farmers with modern techniques in agricultural practices. agriculture sectors and sustainable
5. To create awareness on various aspects of socio-economic commitment and development.
6. To popularize traditional and modern land measurement and survey techniques.
7. To contribute to sensitizing people on the importance of water saving.
8. To inculcate social commitment among students and make them responsible citizens.

The Context:

The institute is located at the Grampanchayat level, which is surrounded by 14 small villages. The community in these villages are basically farmers with different traditional customary culture, poor socio-economic condition and not well-versed with modern techniques. In this regard, the institution has taken initiative and conducted various community outreach activities as a part of social commitment.

The Practice:

To fulfil the objective of the practice various activities were distributed among the department of the college.

1. To aware the people about renewable energy and its importance, department of Physics organized Renewable energy awareness program. Solar Cooker, Solar dryer, parabolic reflector, Photo-Voltaic system and Fresnel lances were demonstrated and their function and use were explained. Various state and central government schemes were discussed and explained the process of application.

2. Soil and water quality plays a vital role in agriculture. The analysis of soil and water quality parameters helps the farmers to take decisions about cropping pattern and increase the productivity. The department of Chemistry carried out soil and water testing activity to assess the current status of water and soil quality. This activity was conducted in the nearby villages by analyzing the pH, hardness conductivity, various micro and macro components. The scientific technique of soil sampling was demonstrated and on site preliminary analysis was carried out with the help of soil and Water Analysis Kit. Based on the result suggestions were given to the farmers

3. It was observed that, the level of organic carbon has considerably reduced due to extensive use of chemical fertilizers and pesticides which has drastically reduced the quality and yield. To increase the organic carbon in the soil use of vermicomposting has played an important role, keeping this in mind the department of Zoology has initiated a program on awareness and training of vermicomposting. Detailed information, about train of earthworm. temperature he be maintained filling material and procedure was given to the farmers for maximum production of vermicompost. Various awareness programs were organized to motivate the farmers about use of vermicompost

4. Life insurance has become an essential part of life, The government is also trying to spread awareness about the importance of insurance. In the rural areas, there is no any knowledge regarding the same. To overcome this, the Department of Commerce has organized Insurance Awareness Program in which guidance was given on various insurance schemes such as medical, life, crop, vehicle, business insurance policies.

5. The socio-economics issues from the nearby villages were identified by conducting survey. To address prioritized issues department of Social Sciences and Humanities organized various activities like street plays, training programs, demonstration activities and guidance on relevant themes. These activities had not only helped the stake holders but also imbibed social obligation among the students.

Evidence of Success:

The success of community outreach program is evident as follows,

1) There was not a single family using renewable energy, but due to the efforts taken by Institution 7 families in Kelwad village installed solar water heaters. Similar results have been reflected in surrounding villages.

2) Soil and water analysis activity carried out in nearby villages has created awareness among the farmers and about 124 farmers have reached for soil and water analysis. This has helped the farmers to select appropriate crop and it was seen that grape cultivation was increased.

3) Training on vermicomposting to the students and the farmers has helped in increasing the use of vermicompost and organic farming. The grape farmers visited vermicomposting unit in the institute for training and getting guidance regarding various schemes of government for establishment of vermicomposting unit. The institute has also assisted them to procure good species of earthworm from Earth-rich Vermicomposting Pvt. Ltd.

4) Awareness about the the importance of insurance has been verified by the survey. Students of department explained sustainable life insurance policy ,medical insurance ,crop insurance etc. there by 47 villagers has been made aware by students.

5) The community outreach program has partially uplifted socio-economic status in the villages. The increased participation of villagers in activities like Fun mahotsav, Vaccination drive, various campaigns, and special camps itself indicated the usefulness of these outreach program.

6) Street play on various buruing social issues like women foeticide, addiction, ragging etc. made people aware of those issues and their remedies. Enrichment of English language activity was carries out in Z.P. schools. Through this activity interaction among the college and school students happened and school student got many clues to improve their English

CONTENTS

Sr. No	Name of the Department	Activity conducted under Centre for Community Engagement (CCE)	Date
1.	Chemistry	: Soil and Water Analysis	
			Activity-1 04/02/2023
			Activity-2 17/04/2023
2.	Botany	: Medicinal Plant Awareness and Distribution	
			Activity-1 03/01/2023
			Activity-2 04/03/2023
			17/04/2023
3.	Physics	: Conservation of Energy	06/01/2023
		Renewable Energy Awareness Mission	17/04/2023
4.	Zoology	: Vermicomposting Awareness Mission	
			Activity-1 13/01/2023

		Activity-2	17/04/2023
5.	Commerce	: Digital marketing survey	18/04/2023
6.	Geography	: Water conservation awareness mission	18/04/2023
7.	Economics	: Economic Survey of Families in Khadkewake	
		Activity-1	07/01/2023
		Activity-2	17/04/2023
8.	Politics	: Survey of political & social behaviour of voters in village Khadkewake	18/4/2023
9.	English	: Enriching English Language	18/04/2023
10.	Hindi and Marathi	: Street play on Social Awareness	18/04/2023

COMMUNITY ENGAGEMENT CENTRES


Advisory Committee for 2022-23

Sr. No.	Name of the Village	Committee	Role
1.	Ekrukhe Tal-Rahata, Dist-Ahmednagar	Dr. Gholap S. S.	Chairman (Principal)
			Co-ordinator
			(Sarpanch)
			(Gramsevak)
			(Farmer)
			(Farmer)
2.	Kelwad Tal-Rahata, Dist-Ahmednagar	Dr. Gholap S. S.	Chairman (Principal)
			Co-ordinator
			(Sarpanch)
			(Gramsevak)
			(Farmer)
			(Farmer)
3.	Khadkewake Tal-Rahata, Dist-Ahmednagar	Dr. Gholap S. S.	Chairman (Principal)
			Co-ordinator
			(Sarpanch)
			(Gramsevak)
			(Farmer)
			(Farmer)
4.	Pimplas Tal-Rahata, Dist-Ahmednagar	Dr. Gholap S. S.	Chairman (Principal)
			Co-ordinator
			(Sarpanch)
			(Gramsevak)
			(Farmer)
			(Farmer)

5.	Dahegaon-Korhale Tal-Rahata, Dist-Ahmednagar	Dr. Gholap S. S.	Chairman (Principal)
			Co-ordinator
			(Sarpanch)
			(Gramsevak)
			(Farmer)
			(Farmer)

The problem encountered and resources required:

The people of rural area have a convinced mind-set and they are not ready to accept the changes. This was the major problem faced, which was resolved upto a certain extent by organizing activities in frequent intervals.


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Report

Centre for Community Engagement: Experiential Learning Through Social Commitment

1. Soil and Water Analysis:

Shirdi Sai Rural Institutes, Arts, Science and Commerce College is situated in rural area and majority of students are from the agricultural background. By considering importance of Soil and Water, Department of Chemistry conducts the soil and water analysis/awareness activities in nearby villages. The teachers and students of chemistry provides continuous support regarding the information of importance of soil and water analysis by organizing various events like sample collection, analysis and provides the data of various parameters like pH, Electrical Conductance(EC), Hardness, Na⁺, K⁺, TDS etc. This will help farmers to decide cropping pattern of incoming season, which improves annual yield of the crops as well as to maintain the soil fertility. The analysis is found to be useful tool for recommendation of type and quantity of the fertilizer to be used. It also gives a measure of the availability of essential micronutrients in the soil. In this way the institute is contributing in sustainable development of growing Indian economy.

In A.Y. 2022-23, department has organized Soil and Water Analysis Training programme for chemistry students. In all 72 students completed the training on 04/02/2023 and on 17th April 2023, 08 faculties and 91 students organized soil and water analysis campaign under the guidance of Mrs. S. Y. Rahane and Mr. R. V. Dhawale at Kelwad, Tal- Rahata, Dist- Ahmednagar. In this activity 30 farmers are aware about importance of soil and water analysis, effect of chemical fertilizers on various parameters of soil and water. 24 samples from different part of Kelwad village were collected, analysed and reports delivered to the farmers.

2. Medicinal Plant Awareness and Distribution

In A.Y. 2022-23, Department of Botany has organized various activities like Tree Plantation, Medicinal Plant awareness, distribution and conservation. As a part of social responsibility faculty and students of Botany has organized workshop on “Conservation, Cultivation and Enrichment of Medicinal Plants” on 04/03/2023. In all 16 farmers from nearby villages and 94 students were participated in the activity. The faculty actively involved in the awareness of

conservation medicinal plants. Dr. Ms. V. S. Patil has delivered a lecture to the students and villagers on 'Conservation and Plantation of Medicinal Plants' at Ekrukhe, Tal-Rahata on 03/01/2023. The tree plantation activity was organized at Khadkewake village on 17/04/2023. 20 students and staff were participated in the activity and 120 various kinds of saplings were planted.

3. Renewable Energy Awareness Mission-

On 06/01/2023 and 17/04/2023, an engaging and informative activity was organized by Department of Physics focusing on solar instruments and their benefits at Ekrukhe and Khadkewake respectively. The event aimed to educate students, farmers and villagers about the various aspects of solar energy and its practical applications. The activity was structured to include poster preparation, live demonstrations, Q&A sessions, and discussions on the importance of solar energy for the future.

Students were tasked with creating posters showcasing different solar instruments and their components. This activity encouraged them to research and understand the workings of solar instruments, enhancing their knowledge on the subject. Students gave live demonstrations of various solar instruments such as solar cookers, heaters, dryers, etc. This hands-on experience helped them develop practical skills and deepen their understanding of how these instruments work. Students actively participated in answering questions about the working and benefits of solar instruments to the villagers and farmers. Students interacted with visitors, clarifying their doubts and encouraging them to use solar instruments. This interaction not only enhanced their interpersonal skills but also helped in promoting the use of solar energy. Students explained the benefits of solar energy and its scope in the future for mankind. This helped in raising awareness about the importance of renewable energy sources.

At Ekrukhe 65 farmers and villagers benefited from the activity, which involved 8 students and 2 teachers and at Khadakewake 76 farmers and villagers benefited from the activity, which also involved 8 students and 2 teachers. In conclusion, the solar instrument activity was a great success, providing students with valuable knowledge and skills while raising awareness about the benefits of solar energy among the farmers and villagers. Such activities are crucial in promoting sustainability and encouraging the use of renewable energy sources for a better future.

4. Vermicomposting Awareness Mission-

In continuation with current scenario of organic farming, vermicomposting has gained much attention due to its potential as nutrients and plant growth hormones. It is a valuable soil amendment that can improve soil fertility and environmental sustainability in gardening and agriculture. It improves soil structure by increasing soil porosity, water retention, and aeration. It helps break up compacted soil, making it easier for plant roots to penetrate and access nutrients. The beneficial microbes present in vermicompost help suppress plant diseases and promote healthy root development. It also promotes sustainable agriculture by reducing the need for chemical fertilizers. The production of vermicompost at home or on a small scale is cost-effective and requires minimal investment in equipment. It can be done year-round, providing a continuous source of organic fertilizer. As institute is located in rural region, there is livestock waste, poultry waste, dairy waste, food processing wastes, organic fraction of municipal solid waste, bagasse etc. could be used for production of vermicompost. Moreover, Cow dung, leaves, stalks, weeds, and other organic leftovers could be transformed into vermicompost. Keeping this fact in mind and as a part of social responsibility, Department of Zoology conducts awareness about vermicomposting, training to students and farmers. In A.Y. 2022-23 the Department of zoology organized Vermicomposting Awareness Mission with two activities on 13/01/2023 and 17/04/2023, in which students and farmers were actively participated. The trained students clarified the queries of farmers and encourage them to prepare and use of vermicomposting.

5. Digital Marketing

Business and commerce form an integrated part of the Indian Economy. In the present era of Liberalisation, Privatization and Globalization (LPG), adopting modern tools and techniques is extremely essential for every sector. The department of Commerce of our college realised the need of the time and decided to make people aware about Digital Marketing, importance of various types of insurance policies and pros and cons of online trade.

The department of Commerce organised an activity called 'Insurance Awareness Survey' at Kelwad on 10/12/2022. Various types of insurance companies have come into existence in

India. These insurance organizations started providing insurance services to the grassroots from urban to rural areas. These organizations provide insurance services to agriculture labourers, farmers, dairy businesses small and largest businesses, students, senior citizens, etc. in rural areas. To promote the use of Insurance Policies, students of the department explained Sustainable Life Insurance Policy, Medical Insurance Policy, Vehicle Insurance Policy, Crop Insurance, Husbandry Insurance Policy, Business Insurance, etc to the villagers. 66 students and 5 teaching staff participated in preparing and executing the survey. 47 families were benefitted by this activity.

The department organised a survey on 'Digital Marketing' in the same village on 18/04/2023. 62 students, 04 staff members actively participated in this survey. They created awareness about the digital marketing tools and techniques among the people. They also made people aware of various digital scams and frauds and advised them to take proper caution and training before using these techniques. 93 farmers and villagers responded to the survey and got benefitted by the information provided by the department of Commerce.

6. Water Conservation Awareness Mission

Most of the part of Rahata tehsil falls under rain shadow area. Villagers faced the problems of scarcity of water. Water scarcity is a significant challenge in rain fed regions, especially during dry spells and drought periods. Water conservation programmes is needed in the village Khadkewake. Water conservation techniques are crucial in managing water resources efficiently, especially in rain fed agriculture. These techniques aim to minimize water wastage, enhance water use efficiency, and ensure sustainable water availability for agricultural activities. Realising this fact and social responsibility, the Dept. of Geography organized an activity named 'Water Conservation Awareness Mission' before the summer season on 18th April 2023 in the village Khadakewake. Department of Geography focused on modern irrigation methods, Rally on water conservation, poster presentation, modern farming, importance of water and other issues under water conservation mission. People were made aware of the issue with help of Rally and posters and voicing out slogans. 29 students and 02 teachers participated in the first activity and 20 students and 02 teachers participated in the follow up activity. Total 52 farmers were benefitted by both the activities.

7. Socio-economic survey

Understanding the Socio-Economic landscape of families is crucial for student and researchers, to devise effective strategies aimed at improving the well-being of communities. Socio-economic surveys of families provide invaluable insights into the various dimensions of household dynamics, including income, employment, education, housing conditions, and social capital. Therefore, the department of Economics decided to conduct 'Socio-economic survey'. The department of Economics is committed to work as a catalyst in the socio-economic upliftment of the region where the college is located. Students should understand their roles as they are the future Economists. It is their duty to understand the socio-economic conditions of the region and be a part of social change.

The department conducted the survey engaging 100 students of SYBA and TYBA at Ekrukhe on 07/01/2023 and at Khadakewake on 17/04/2023. 120 from Ekrukhe and 103 families from Khadakewake responded to the questionnaire. Dr. J. R. Dighe and Dr. A. G. Antre guided the students while preparing the questionnaire and executing the survey. The data analysis of the surveys revealed important facts about the socio-economic life of the families in both the villages like their life style, facilities of sanitation, drinking water facility and related information. It was also found that around 90% of the population of both the villages is benefitted by various Government schemes. Students of the department got first-hand knowledge of conducting survey as well as how to deal with the local community.

8. Survey on Political and Social Behaviour of Voters

The Department of Political Science is committed to create awareness among students as well as in the society about various political issues and maintain the intimacy of the people in following law and order so that the ideals of welfare state would be sustained. For this purpose, involvement of people in democracy should be increased. Therefore, to reduce the political apathy in the society and to create public awareness about voting and constitutional duties of the citizen, the Department of Political Science organized a Community Engagement Activity viz. 'Survey on Political and Social Behavior of Voters' in village Khadakewake was conducted on April 18, 2023.

Ms. S. J. Jagtap and Ms. P. B. Bhendbhaje guided students in the preparation of survey form and conducting the survey in the village. 55 students went door to door and collected data from

65 families of Khadakewake. The information about their education, annual income, house type, other physical facilities, benefits of Government schemes, voters in the family, participation in politics etc was collected. On the basis of the data collected, Ms. Jagtap and Ms. Bhendbaje motivated the new voters to register for voting, importance of voting at the times of election and actively participate in executing the Government schemes. The students of the department realised the importance of these types of surveys. They also developed a sense of social commitment.

9. Enriching English Language

English language has become a necessary part of every human being's life. It is a Global language of communication, therefore the department of English decided to conduct an activity "Enriching English Language" for primary and secondary school level students. Students at the Undergraduate level have English as a special subject. They get advanced knowledge of the language. It is their duty to help their fellow brothers and sisters at school level to improve their English. The aims and objectives of the activity was to enhance English language proficiency among primary level students through various word games and word puzzles; to establish partnership with local communities; to implement innovative and inclusive teaching methods and to empower students to apply their English Language Skills beyond the classroom.

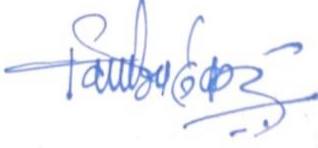
The Department of English organized a Community Engagement Activity as 'Enriching English Language' for primary level students of ZP Primary Schools at Ekrukhe on 5th January 2023 and Khadakewake, on Monday, 17th April 2023. 08 students and 02 staff members participated in this activity. Various English Language enriching activities like word games, puzzles etc for the students of Standard I to Standard VII were conducted by them. Dr.RohiniKasar and Ms. Pranali Bothe guided the students about the English language enrichment activities. 58 students from standard I to VII were benefitted at Khadakewake and 45 at Ekrukhe. As a result of this activity students developed a positive attitude towards learning English, fostering a love for language acquisition; group activities encouraged collaboration and teamwork.

10. Street play on Social Awareness

Departments of Marathi and Hindi have decided to aware the villagers of Khdkewake on the issues of 'Save Girl Child' through street plays. The objective of the activity is to inculcate the

importance of girls in the wellbeing of the society. Gender parity should be maintained. It is the duty of department of languages to inculcate moral values among students. Therefore, through this activity; an attempt is made to involve students in awareness programmes through an art like a street play.

Dept. of Marathi and Hindi jointly organized activity on Save Girl Child at village Khadkewake on 18th April 2023 and on 14th April 2023. Students, local citizens, teachers were participated in this activity. We successfully created awareness among farmers and citizens in the village Kahdkewake. Girls should be treated like boys by their parents and they should be given equal opportunities in all field. Total 32 students created awareness among the people at various places in the village. 37 farmers and 58 school children of ZP School watched the street play. 3 teachers guided the stakeholders on the importance of maintaining gender parity for overall development on the nation.


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Photo Gallery of Centre for Community Engagement: Experiential Learning Through Social Commitment



Demonstration and Analysis of soil and water samples at Chemistry

Department on 04/02/2023



**Teachers and Students informing farmers about importance of soil-water analysis
Collection of Soil Sample from Kelwad village on 17/04/2023.**

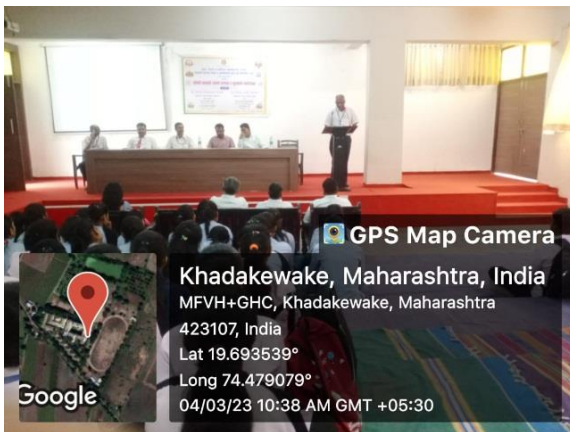


**Sample analysis by students and Students collecting samples with teacher 17/04/20
Kelwad**

Photo Gallery of Centre for Community Engagement: Experiential Learning Through Social Commitment



Awareness Lecture on conservation and plantation of medicinal plants at Ekrukhe on 03/01/23



Workshop on Conservation, Cultivation and Enrichment of Medicinal Plants Dr. Anil Wable delivering plenary talk to the farmers and students on 04/03/2023.



Plantation and Awareness of villagers/planting trees at Khadakewake (17/04/2023)

Photo Gallery of Centre for Community Engagement: Experiential Learning Through Social Commitment



Renewable Energy Awareness Mission at Ekrukhe on 06/01/2023



Renewable Energy Awareness Mission at Khadakewake on 17/04/2023

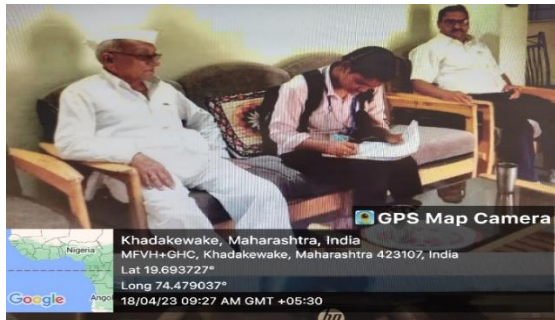


Vermicomposting unit training to the student 13/01/2023 at College



Students delivering information of Vermicomposting to the farmer at Kelwad Village 17/04/2023

Photo Gallery of Centre for Community Engagement: Experiential Learning Through Social Commitment



Digital Marketing Awareness Activity at Khadakewake 18/04/2023



Enriching English Language activity at Ekrukhe Village on 05/01/2023


Photo Gallery of Centre for Community Engagement: Experiential Learning Through Social Commitment



Water Conservation Awareness Mission at Khadakewake 18/04/2023

Students of Department of Marathi and Hindi performing a Street play on Social issues at Khadakewake on 18/04/2023




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