



Samarth Rural Educational Institute's  
**SAMARTH INSTITUTE OF PHARMACY**  
Approved by P.C.I. New Delhi, D.T.E., Mumbai, Govt. of Maharashtra &  
Affiliated to D.B.A.T.U. Lonere, Raigad, M.S.B.T.E. Mumbai.  
On Kalyan Nagar Highway A/P-Belhe, Tal. Junnar, Dist. Pune-412410, Maharashtra, India.  
Email: samarthiop@gmail.com, Web: iop.sreir.org

Date: 12/12/2024

## NOTICE

**Subject: Arranging a field visit to medicinal garden and survey of field visit of medicinal plants at Nighoj.**

This is to inform all the students of the D.Pharm and B.Pharm program that your field visit has been scheduled on 14/12/2024 (Saturday) at Nighoj for survey of Medical Plants as part of the curriculum. The visit aims to enhance practical knowledge about medicinal plants and their significance in pharmaceutical sciences.

### Details of the Visit:

**Date of Visit:** 14/12/2024

**Time of Departure:** 9:30am

**Assembly Point:** 11:00am

**Duration:** 9:30am To 3:00pm

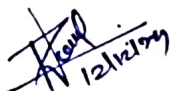
**Dress Code:** Uniform, ID card and footwear (Black Shoes) are compulsory for a field visit

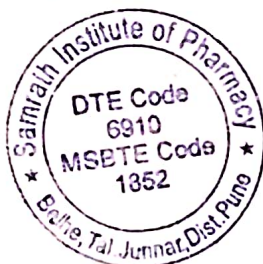
### Important Instructions:


1. Students are required to carry their ID cards.
2. College Uniform are Compulsory.
3. Bring a notebook and pen for taking notes.
4. Water bottles and light snacks are recommended.
5. Maintain discipline and follow the instructions of the accompanying faculty members.

The visit will provide an opportunity to observe and learn about various medicinal plants used in pharmaceutical formulations, enhancing the students' understanding of their medicinal properties and applications.

Thank you.

  
Mrs. Shelke D.S.  
Assistant Professor  
(Field Visit Incharge)  
SIOP, Belhe.



  
PRINCIPAL  
Samarth Institute of Pharmacy  
Belhe (Bangarwadi), Tal. Junnar, (Pune) 412410



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DTE Code - 6910, MSBTE Code : 1852

On Kalyan-Nagar Highway, A/P : Belhe, Tal.Junnar, Dist. Pune, Pin : 412 410. Maharashtra, India. Ph.No. : +02132-276752,  
Fax : +912132-276751, Mob. : +919730292280, +919960601553. Email : samarthiop@gmail.com, Web. : www.iop.sreir.org

Date : 14/12/2024

Ref No. : SIOP/2024-2025/3123

## LETTER OF PERMISSION

To,  
The Principal,  
Sri. Mulikadevi Mahavidyalaya, Nighoj,  
Tal. Parner, Dist. Ahmednagar

**Subject – Permission for arranging a field visit to your esteemed medicinal garden and survey of field visit of medicinal plants available in nearby area for our pharmacy students.**

Dear Sir/ Mam,  
Greetings of the day!!!

I hope this letter finds you well. I am writing to request your kind assistance in arranging a field visit to your esteemed medicinal garden for our pharmacy students. As part of our curriculum, we aim to provide our students with a comprehensive understanding of medicinal plants, their cultivation, and their role in pharmaceutical sciences. We believe that a hands-on experience in a real-world medicinal garden will greatly enhance their knowledge and inspire a deeper interest in the field.

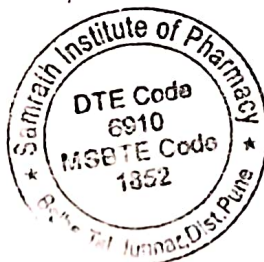
We are looking to organize the visit on 14/12/2024, with approximately 107 Number of Students from the D. Pharm & B. Pharm AY-2024-25 of the Pharmacy program at Samarth Institute of Pharmacy, Belhe. The students would benefit greatly from a guided tour, where they can observe various medicinal plants, learn about their therapeutic uses, and discuss cultivation practices.


We would be grateful if you could confirm your availability for this visit and provide any necessary details, such as the time and any preparations required on our part. Additionally, if there are any specific guidelines or restrictions, kindly let us know, so we can ensure a smooth and enriching experience for our students.

Thank you for considering this request. We look forward to the possibility of this educational visit and the opportunity to collaborate with your institution.

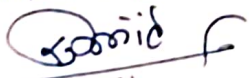
Number of Students: 107  
Number of Staff: 06

Thanking You.



  
Yours Sincerely,  
Principal  
Samarth Institute of Pharmacy  
Belhe (Bangarwadi), Tal. Junnar, (Pune) 412410

Permitted



14/12/2024  
PRINCIPAL

Shri. Mulikadevi Mahavidyalaya, Nighoj,  
Tal. Parner, Dist. Ahmednagar-414101





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Fax : +912132-276751, Mob. : +919730292280,+919960601553. Email : samarthiop@gmail.com, Web. : www.iop.sreir.org

Ref No. : SIOP/2024-2025/3122

Date : 14/12/2024

## LETTER OF APPRECIATION

To,  
The Principal,  
Sri. Mulikadevi Mahavidyalaya, Nighoj.

Dear Sir/ Mam,  
Greetings of the day!!!

**Subject: Appreciate your co-operation and involvement in our field visit.**

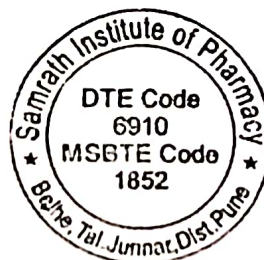
I hope this letter finds you well. I would like to extend my heartfelt appreciation for your recent visit to medicinal garden and visit to nearby area. It was a pleasure to have you explore the diverse range of plants that grow and the valuable knowledge they are working to preserve and share.


Your keen interest in the medicinal properties of the plants, as well as your insightful questions, added great value to the experience for everyone involved. We were particularly impressed with your curiosity and enthusiasm, which highlighted the importance of such spaces in promoting natural wellness and sustainable practices. We hope that your visit to garden provided us with valuable insights and inspiration for work. We look forward to any future opportunities to collaborate and further our shared mission of promoting health through the wonders of nature.

Thank you once again for your time, and we sincerely hope to welcome you back in the near future.

Thanking You.

  
PRINCIPAL  
Shri. Mulikadevi Mahavidyalaya, Nighoj  
Tal. Parner, Dist Ahmednagar-414302



  
Yours Sincerely,  
PRINCIPAL  
Samarth Institute of Pharmacy  
Belhe (Bangarwad), Tal. Junnar, (Pune) 412410



# SHRI MULIKADEVI MAHAVIDYALAYA, NIGHOJ

Tal. Parner, Dist. Ahmednagar - 414 306

UD No. PU/AN/VS/132/2013  
College Code 1488  
E-Mail: ascnighoja@gmail.com  
www.shrimulikadevicollege.com

**Dr. Sahadeo Aher**

M. Sc. Ph. D.  
Principal  
9960455771

Ref No 125/2024-25

Date 202

To,  
The Principal,  
Samarth Institute of Pharmacy, Belhe.  
Tal. Junnar, Dist. Pune.

**Subject – Appreciation for the exceptional efforts and dedication demonstrated by the Students and Staff of SIOP during their recent visit to the medicinal garden & field survey of medicinal plants.**

Dear Sir/ Mam,  
Greetings of the day!!!

I am writing to express our sincere appreciation for the exceptional efforts and dedication demonstrated by the students and Staff of Samarth Institute of Pharmacy, Belhe, during their recent visit to the medicinal garden. Their field survey of medicinal plants available in nearby area was both thorough and insightful, showcasing a deep understanding of the subject matter and a keen interest in the preservation and study of medicinal flora.

The level of enthusiasm and professionalism displayed by the students was truly commendable. Their ability to identify, catalog and document various medicinal plants with such attention to detail reflects their academic commitment and passion for learning. The effort they put into collecting data will no doubt contribute to the broader understanding and conservation of medicinal plant species.

We are particularly impressed by their teamwork, discipline and curiosity, which made the survey not only productive but also enjoyable for all involved. Their involvement in this fieldwork serves as a testament to the quality of education and the practical, hands-on experience they are gaining as part of their curriculum.

Once again, we extend our heartfelt thanks to the students as well as staff for their excellent work. Please convey our appreciation to them for their outstanding contribution. We look forward to more such enriching experiences with the SIOP students in the future.

Thanking You.

Yours Sincerely,



PRINCIPAL

Shri. Mulikadevi Mahavidyalaya, Nighoj  
Tal. Parner, Dist. Ahmednagar-414306





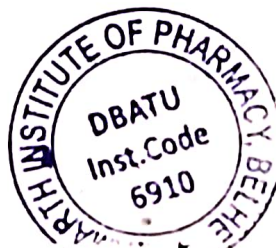
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Email: samarthiop@gmail.com, Web: iop.sreit.org

Date: 14/12/2024

Attendance Sheet (D.Pharm /B.Pharm) Students

Sr. No.	Name of the Student	Sign	Sr. No.	Name of the Student	Sign
01	Patel Jishan		20	Chaudhari Ruluja	
02	Kasal Arjan santosh		21	Waghmode pranali	
03	Bhagat Sahil Anil		22	Gaikwad Sarika	
04	Cralande Sandesh		23	Gawade Diksha	
05	Rithe Shubham		24	Khokale Tanvi	
06	wadekar Aditya		25	Matle Pranjali R.	
07	Naikodi. A. Swaraj		26	Hinge sakshi	
08	Nichit Pranav		27	Walurj Vaishnavi	
09	Patel Riyan		28	Bhandekar Payal	
10	Jape Nishant		29	Jadhav Priyanka	
11	Shingale Soham		30	Dysaman Siddhi	
12	Prathmesh Bansode		31	Thange Aditi	
13	Sayyad Arif Hanif		32	Sonawane sakshi	
14	Bhuiyal Shubham Dattaraj		33	Dolnar Ajvita	
15	Ghatkar Suyash		34	Nadhe Shravani	
16	Thosar Divya		35	Kanse Sanika	
17	Gadge Pradnya		36	Satpute vaishnavi	
18	Gungar Gauzi		37	Maid Arti	
19	Ghode Rutuja		38	Tambre Rohini	





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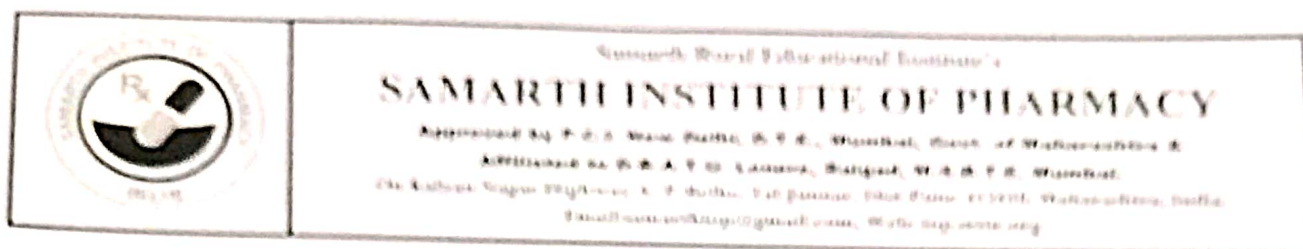
Date: 14/12/2024

### Attendance Sheet (D.Pharm /B.Pharm) Students

Sr. No.	Name of the Student	Sign	Sr. No.	Name of the Student	Sign
39	Chikane Pratiksha	<u>Chikane</u>	57	zinjad sharyu	<del>sharyu</del>
40	Chikane shruti	<del>shruti</del>	58	Salke vaishnavi	<u>Salke v.B</u>
41	Belwate Tanmayi	<del>Tanmayi</del>	59	Bhagat sakshi	<u>S.V. B</u>
42	Alhat Samruddhi	<u>alhat 3</u>	60	Deee Dipali	<u>Deee</u>
43	Azhi Aditi	<u>Aditi</u>	61	pingat Apeksha	<u>A.R. Pingat</u>
44	Vite Ishwari	<u>Ishwari</u>	62	kapse Apeksha	<u>Apeksha</u>
45	Throat Shravani	<del>Shravani</del>	63	Gunjal Vidya	<u>Vidya</u>
46	Ghode Jagruti	<u>Jagruti</u>	64	shinde Manisha	<u>M.S. Shinde</u>
47	Pange Shwathi	<u>Shwathi</u>	65	Kanase Sardhana	<u>Sardhana</u>
48	Jadhav Tejashee	<u>Tejashee</u>			
49	Karle Karishma	<del>Karishma</del>			
50	Shweta Sheelame	<u>Sheelame</u>			
51	Sonawane Sakshi	<u>Sonawane</u>			
52	Sherkar Sanika	<u>S.N. Sherkar</u>			
53	Bhosale Pooja	<u>Pooja</u>			
54	Shaikh Anam	<u>Anam</u>			
55	Walunj Sakshi	<u>Sakshi</u>			
56	Kithe Sonali	<u>Sonali</u>			







Date: 16/12/2024

## Report on Field Visit to Medicinal Garden and Survey of Medicinal Plants

Date of Visit: 14/12/2024

Location: Shri. Mulikadevi Mahavidyalaya, Nigohi.

Students Involved: 107 Number of students from D. Pharm & B. Pharm AY 2024-25.

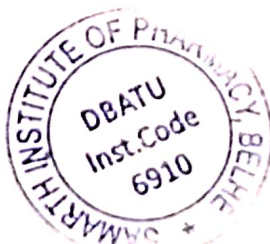
Supervisor(s): Mrs. Shelke D.S., Ms. Wakale M.S., Ms. Walunj K.B., Mr. Zaware P., Ms. Jadhav A.M., Mr. Bangar S.G.

**Objective:** To explore and identify medicinal plants for educational purposes and to provide pharmacy students with hands-on learning experiences related to the use, identification, and benefits of medicinal plants.

The field visit to the medicinal garden was organized as part of the curriculum for pharmacy students. The objective of the visit was to expose the students to a diverse range of medicinal plants and their practical applications in the field of pharmacy. This initiative aimed to enhance the theoretical knowledge gained in the classroom by offering real-world exposure to the plants used in pharmaceutical and therapeutic products.

### Medicinal Garden Overview: -

The medicinal garden is a curated collection of plants that have been used for centuries in traditional medicine as well as modern pharmacology. It provides an educational environment where students can explore various plant species and their medicinal properties.





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Email: samarthipoi@gmail.com, Web: iop.sarthi.org

The garden contains over Approx. 250 plant species, including common herbs, shrubs, and trees. Each plant is labelled with its scientific name, common name, and primary medicinal uses. The garden is maintained in a way that mirrors natural growing conditions, which allows students to observe the plants in a realistic setting.

### Activities and Observations: -


During the field visit, the students engaged in the following activities:

- **Identification of Medicinal Plants:** Students walked through the garden to identify various medicinal plants, focusing on their morphological features (leaves, stems, flowers, and roots).
- **Medicinal Uses:** Students learned about the pharmacological and therapeutic properties of the plants. These included plants used for pain relief, digestive disorders, respiratory issues, and skin ailments.
- **Cultivation Techniques:** A discussion on the cultivation of medicinal plants was held, highlighting the conditions necessary for growing these plants, such as soil type, water requirements, and climate considerations.
- **Traditional and Modern Use:** The use of plants in both traditional medicine and modern pharmaceutical products was explained, including methods of extraction (such as essential oils and tinctures) and their role in contemporary drug development.

### Medicinal Plants Survey

A survey of the plants found in the garden was conducted to create a list of species that are relevant to the pharmacy curriculum. Below are some of the notable plants encountered during the visit:





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### 1 Aloe Vera (*Aloe barbadensis miller*)

- **Medicinal Use:** Aloe Vera is commonly used for its soothing and healing properties, especially for skin burns, wounds, and as an anti-inflammatory agent.
- **Pharmacological Properties:** Contains compounds such as aloin and acemannan, which promote skin regeneration and have antimicrobial effects.

### 2 Peppermint (*Mentha piperita*)

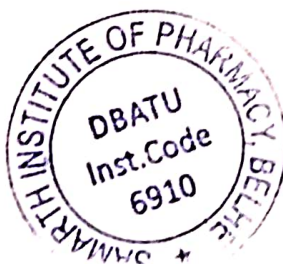
- **Medicinal Use:** Used for digestive issues, headaches, and muscle pain relief. Often used in teas or essential oil form.
- **Pharmacological Properties:** Contains menthol, which has analgesic and antispasmodic effects on the digestive system.

### 3 Turmeric (*Curcuma longa*)

- **Medicinal Use:** Known for its anti-inflammatory, antioxidant, and antiseptic properties. Commonly used in the treatment of arthritis and digestive problems.
- **Pharmacological Properties:** Curcumin is the active compound, which has been studied for its potential in reducing inflammation and fighting oxidative stress.

### 4 Echinacea (*Echinacea purpurea*)

- **Medicinal Use:** Often used to boost the immune system and treat colds and respiratory infections.
- **Pharmacological Properties:** Echinacoside and alkylamides have immunostimulant effects.





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### 5 Lavender (*Lavandula angustifolia*)

- **Medicinal Use:** Known for its calming effects, it is used to treat anxiety, insomnia, and digestive issues.
- **Pharmacological Properties:** Contains linalool and linalyl acetate, which have anxiolytic and sedative properties.

### 6 Ginseng (*Panax ginseng*)

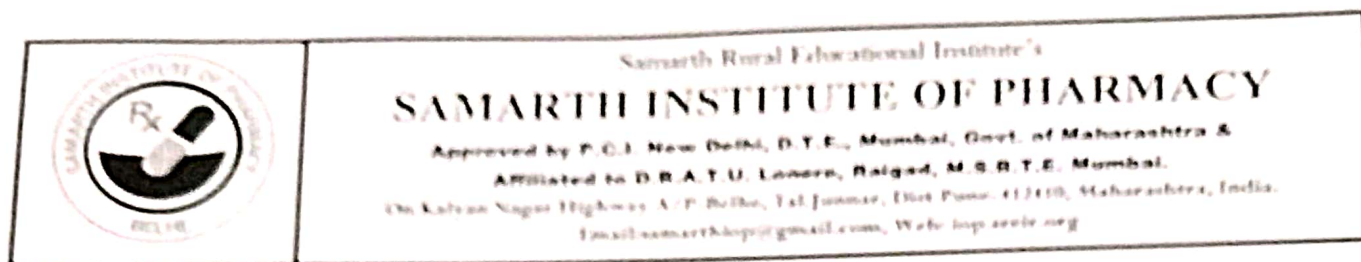
- **Medicinal Use:** Ginseng is used as an adaptogen to help the body cope with stress and improve energy levels.
- **Pharmacological Properties:** Ginsenosides are the active compounds, which help improve stamina and immune function.

### Educational Takeaways

The field visit provided the pharmacy students with a deeper understanding of the practical applications of medicinal plants. They were able to:

- **Enhance Their Identification Skills:** Students were able to identify key medicinal plants by sight and learn about their key components and uses.
- **Understand the Importance of Natural Products:** The visit reinforced the role that natural products play in modern drug discovery and development.
- **Learn Practical Cultivation Skills:** The students learned about how these plants can be grown and harvested for medicinal purposes, which is a valuable skill for those pursuing careers in pharmacognosy or herbal medicine.





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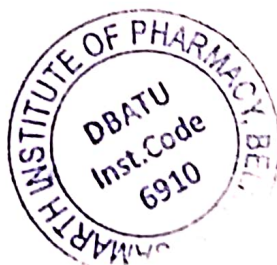


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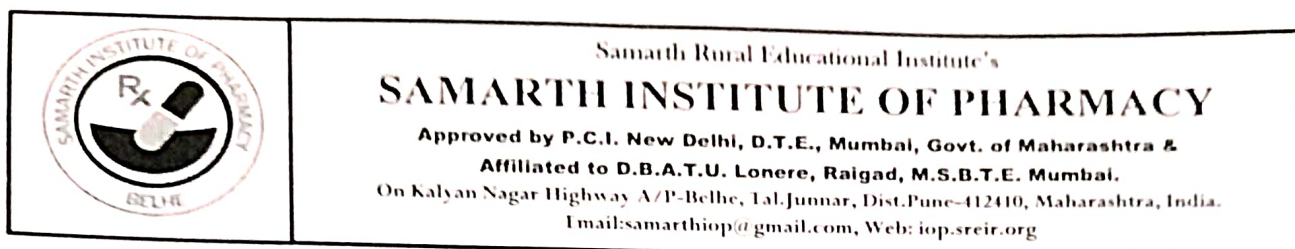
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Field visit at Shri. Mulikadevi Mahavidyalaya, Nighoj.





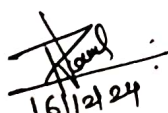


## Challenges and Recommendations


- **Accessibility of Plants:** Some plants were difficult to identify due to seasonal changes or incomplete labelling. Future visits could be planned during times when more plants are in bloom or fruit.
- **Extended Learning Opportunities:** It would be beneficial to include more interactive activities, such as hands-on preparation of herbal extracts or tinctures, to provide further practical experience.
- **Collaborations with Research Institutions:** A partnership with local research centres or herbal product companies could enhance the learning experience by exposing students to the latest advancements in medicinal plant research.

## Outcomes:

The field visit to the medicinal garden was an enriching educational experience for the pharmacy students. It allowed them to connect theoretical knowledge with practical observations, fostering a deeper understanding of the use and importance of medicinal plants in modern pharmacy. Through this experience, students gained valuable insights that will assist them in their studies and future careers as pharmaceutical professionals.

  
16/12/24  
Incharge Field Visit



  
PRINCIPAL  
Samarth Institute of Pharmacy  
Belhe (Bangarwadi), Tal. Junnar, (Pune) 412410



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 On Kalyan Nagar Highway A/P-Jelive, Tal.Junmar, Dist.Pune-412011, Westbanshra, India.  
 Email:samarthup@gmail.com, Web: up.sarth.org

### SURVEY OF MEDICINAL PLANTS

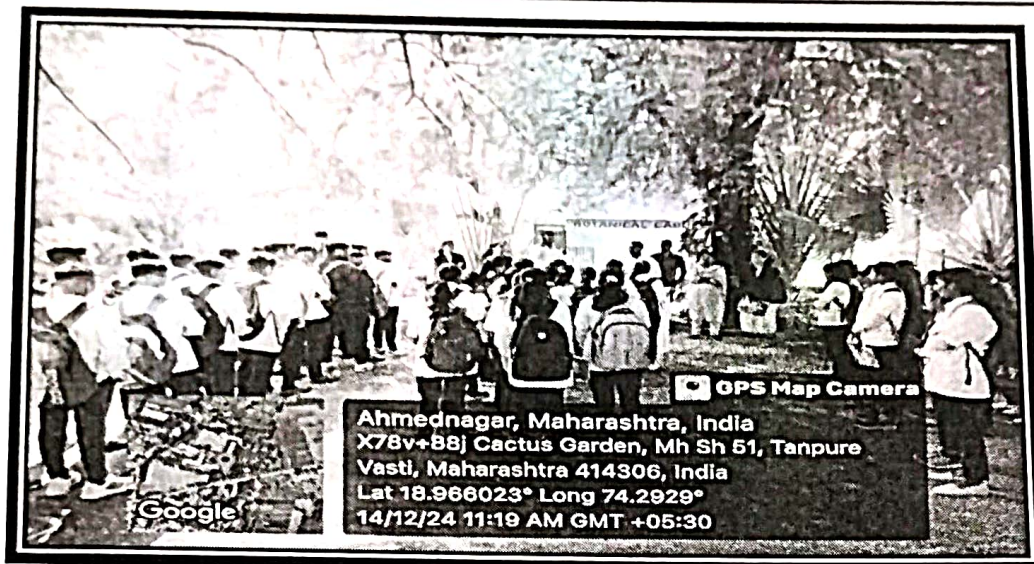
SR.No.	List of Medicinal Plant	SR.No.	List of Medicinal Plant
1.	Zamia spp. L	22.	Eucalyptus
2.	Breynia disticha L.	23.	Curry leaves
3.	Crown Flower	24.	Asparagus racemosus
4.	Phyllanthus emblica L.	25.	Pomegranate
5.	Aegle marmelos L.	26.	Lilium
6.	Adhatoda vesica L.	27.	Mustard tree
7.	Artocarpus heterophyllus L.	28.	Mimosa Pudica
8.	Cymbopogon spp L.	29.	Molobax nut
9.	Scaevola taccada	*	Species of cactus:
10.	Araucaria columnaris		
11.	Dragon Fruit	30.	Snake plant
12.	Star Fruit	31.	Echinopsis
13.	Sarica asoca	32.	Bunny Ear cactus
14.	lotus	33.	Blue candle
15.	Indian boy leaf tree	34.	Polka Dot cactus
16.	Crown Flower	35.	Fairies washboard
17.	Jasminum sambac	36.	Valleybusin
18.	Indian Gooseberry	37.	euphorbia
19.	Areca palm	38.	Desert rose
20.	Holy basil	39.	Eve's pin
21.	Madagascar periwinkle	40.	Resin spurge





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Professor Adsul Akshay Sir (Head of the Department of Botany) and his colleagues were giving information about medicinal plants to the students.



The students observing medicinal plants.

