

DEPARTMENT OF BOTANY

Proposal for Study Tour:



Sonopant Dandekar Shikshan Mandali's

SONOPANT DANDEKAR ARTS, V. S. APTE COMMERCE AND M. H. MEHTA SCIENCE COLLEGE

Tal. Palghar, Dist. Palghar, Pin - 401 404.

Code.: (02525) 252163, Prin : 252317 • Resi.: 252316

website : www.sdsmcollege.com • Email: sdsmcollege@yahoo.com
(NAAC Reaccredited 'B' Grade)

Ref. No. :

Date : 04/02/2020

To,
The Principal
Dr. Kiran Save
Sonopant Dandekar Arts, V.S. Apte Commerce and
M.H. Mehta Science College,
Palghar.

Subject: Proposal for Organizing Short Excursion to Nashik.

Place of visit: Nashik.

Organizer: Department of Botany.

Proposed Day & Dates - 2 Days. 20th February to 21th February 2020

Objectives -

- To learn fermentation process on large scale in wine industries.
- To develop entrepreneurship among students in field of life science.
- To understand the spaces suitable for life style in rural / semi urban areas.
- Provides break from the monotony of classroom learning.
- Medicinal plants studies & plant identification.

B N Jaiswal
B N. Jaiswal
Head, Department of Botany

Allowed
Kulme
04/02/2020



Sonopant Dandekar Shikshan Mandali's

**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

Palghar, Dist. – Palghar, Pin – 401 404, E – Mail: sdscollege@yahoo.com

Date: 06/02/2020

Department of Botany

NOTICE

This is to inform you that the visit to **Nashik Botanical Garden and Nashik Flower Park** is scheduled on 20/02/2020 (Thursday).

SCHEDULE

Reporting time at Palghar Bus depo by 8:00 am on Thursday, 20/02/2020

Departure from Palghar	8:30 am
Arrival to Palghar 22/02/2020	6:00 pm

Since the study tour is prescribed as a part of their curricular activities it is advised in the academic interest of the students that they should participate in this excursion. Students should carry needful things.

For more details contact to Department of Botany.

(B.N.JAISWAL)
H.O.D Botany

Undertaking from students:

UNDERTAKING

I, Nitin Dabole
Date of birth 9/3/1999, Roll No. _____, Class _____
of Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College,
Palghar residing at (Complete address)
Koshipada, Palghar
Phone No. _____ hereby declares as under:-

- i) I am participating in the Study Tour organized by the Department of Botany of Sonopant Dandekar Arts V. S. Apte Commerce & M. H. Mehta Science college, Palghar. from _____.
- ii) I undertake to abide by rules and regulation framed by the college and to maintain the discipline during the period of Study Tour.
- iii) I do also abide by instructions given by the staff members of the college accompanying the study tour.
- iv) I am given to understand that if I do not observe the rules, regulations and instructions given by the staff members, my behavior will amount to indiscipline and therefore liable for taking disciplinary action against me.
- v) I am also aware that, I am participating in the study tour at my own risk and in the event of causing any loss or damage to my property or life for any reasons beyond the control of tour organizers, the college or the organizers will not be held responsible for any loss or damage mentioned above.

Place:-
Date:-

[Signature]
Signature of the Parent/Guardian

[Signature]
Signature of the student

UNDERTAKING

I, Jha Sarawati Ramakant

Date of birth _____, Roll No. _____, Class MSC-I

of Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College,
Palghar residing at (Complete address)

Kini Nagar mahim Rd Palghar
201 saividyaa Apt

Phone No. _____ hereby declares as under:-

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Place:- Palghar
Date:- 20/02/20

शुभाकर सहा
Signature of the Parent/Guardian

S. Jha
Signature of the student

UNDERTAKING

I, Pratiksha Kailas Borse

Date of birth 06/02/99, Roll No. 15012, Class MSc-I

of Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College,
Palghar residing at (Complete address)

AT POST Saravali, Boisar 401001

Phone No. 9021107924 hereby declares as under:-

- i) I am participating in the Study Tour organized by the Department of Botany of Sonopant Dandekar Arts V. S. Apte Commerce & M. H. Mehta Science college, Palghar. from
- ii) I undertake to abide by rules and regulation framed by the college and to maintain the discipline during the period of Study Tour.
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Place:- Palghar
Date:- 20/02/20

C. K. Borse

Signature of the Parent/Guardian

Pratiksha

Signature of the student

UNDERTAKING

I, hanini Prityeshi Dubey
Date of birth 21-08-2000, Roll No. 2395, Class SJ BSC
of Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College,
Palghar residing at (Complete address)
2nd floor, Janaki Niwas, Navali Road, Barclubhai
acres, Behind Masalli School, Palghar (E)
Phone No. 9834273727 hereby declares as under:- ADTDT.

- i) I am participating in the Study Tour organized by the Department of Botany of Sonopant Dandekar Arts V. S. Apte Commerce & M. H. Mehta Science college, Palghar. from
- ii) I undertake to abide by rules and regulation framed by the college and to maintain the discipline during the period of Study Tour.
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Place:-
Date:-

Sarika Dubey
Signature of the Parent/Guardian

Dubey
Signature of the student

UNDERTAKING

I, Tejas Narhar Chaudhari
Date of birth 27/09/1990, Roll No. _____, Class TY BSc.
of Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College,
Palghar residing at (Complete address)
Dwarka Niwas, Tembhode, Tal. & Dist- Palghar.

Phone No. 9073084282 hereby declares as under:-

- i) I am participating in the Study Tour organized by the Department of Botany of Sonopant Dandekar Arts V. S. Apte Commerce & M. H. Mehta Science college, Palghar. from
- ii) I undertake to abide by rules and regulation framed by the college and to maintain the discipline during the period of Study Tour.
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Place:- Palghar
Date:- 20/02/20

महंत अरुण उतेरत

Signature of the Parent/Guardian

Tejas

Signature of the student

Participants students list with signature:

SONOPANT DANDEKAR SHIKSHAN MANDAL'S
**SONOPANT DANDEKAR ARTS, V. S. APTE COMMERCE
 AND M. H. MEHTA SCIENCE COLLEGE, PALGHAR**
 Paigar, Dist-Paigar, Pin- 401 404. E-mail: sdscollege@yanoo.com

ATTENDANCE RECORD

Name of the Event: Study Tour (Nashik Botanical Garden)
 Name of the Mentor: _____ Department: Botany
 Date: 20/2/2020 Time: _____ Venue: SDSM College

Sr.No.	Name of the Student	Class	Roll No.	Mobile No.	Signature
1	Sare Shreyasi	TY. BSC			<u>[Signature]</u>
2	Dabka Nitin	TY. BSC			<u>[Signature]</u>
3	Katela Hareesh	TY. BSC			<u>[Signature]</u>
4	More Jayesh	TY. BSC			<u>[Signature]</u>
5	Yadav Akshay	TY. BSC			<u>[Signature]</u>
6	Sunamane Kavita	TY. BSC			<u>[Signature]</u>
7	Patil Ankita	TY. BSC			<u>[Signature]</u>
8	Wankhede wishu	TY. BSC			<u>[Signature]</u>
9	Patil pranita	TY. BSC			<u>[Signature]</u>
10	Pal Rini Thakur	TY. BSC			<u>[Signature]</u>
11	Pimple Manisha	TY. BSC			<u>[Signature]</u>
12	Takode Rohini	TY. BSC			<u>[Signature]</u>
13	Lokhande Rejka	TY. BSC			<u>[Signature]</u>
14	Londhe Apurva	TY. BSC			<u>[Signature]</u>
15	Raut Suniksha M	TY. BSC			<u>[Signature]</u>
16	Dharmadhikari deba	TY. BSC			<u>[Signature]</u>
17	Agarwal Deepika	TY. BSC			<u>[Signature]</u>
18	Dhudi unit Munch	TY. BSC			<u>[Signature]</u>
19	Singh Jyoti Krishna	TY. BSC			<u>[Signature]</u>
20	Laxkar Khushbu	TY. BSC			<u>[Signature]</u>
21					
22					
23					
24					
25					

Signature of Mentor _____

DEPARTMENT OF BOTANY

Report on Study Tour

Place of visit: Sula Vineyards and a Botanical Garden in Nashik

Date of visit: 20th & 21st February, 2020

No. of Students: 20

Significance:

- **Sula Vineyards:** A leading winery in India, known for its diverse wine production and wine tourism.
- **Botanical Garden:** An educational resource showcasing a variety of plant species and ecological practices.

Objectives of the Visit:

- To understand the winemaking process at Sula Vineyards.
- To explore the diverse flora at the Botanical Garden.
- To learn about sustainable agricultural and ecological practices.
- To appreciate the role of biodiversity in agriculture and conservation.

About the visit:

The industrial visit helped our students gain hands-on practical knowledge on industrial processes and its core management concepts. They learned about key stages of the winemaking process using advanced machines. The students were glad to see how the white and red wines were prepared.

An executive at Sula Vineyard introduced students to the winemaking team who are tasked with checking the quality of grapes during the harvest season. They intricately check grape's taste as well as sugar and acid levels.

Students also visited the stockroom where the wine is stored in huge oak barrels. They enjoyed sipping six different types of wines. Moreover, they learned how to drink wine – See, Sniff, Swirl, and Sip. They also peeped into the corporate culture and learned how to drink wine at corporate parties.

Next day students visited Nashik Flower Park where the main attraction was;

- Flower Figurines – These are 20 to 30 feet high flower peacocks, elephants, and ostrich. There are enchanting flower dolls at this park in Nashik that will simply take your breath away.
- Fish Aquarium – A new addition to this flower garden, the fish aquarium is one place inside the complex.
- Graffiti – The graffiti walls inside this flower garden. They are made by creative artists who are nature-lovers themselves.

- Food Kiosks
- Photo Booths
- Birds House

What students learnt during visit?

During the visit to Sula Vineyards and the Botanical Garden in Nashik, students gained a wealth of knowledge and practical insights. Here are the key learnings:

Grape Varieties:

- **Red Grapes:** Shiraz, Cabernet Sauvignon, Merlot, Zinfandel, Malbec, Tempranillo.
- **White Grapes:** Chenin Blanc, Sauvignon Blanc, Riesling, Viognier.

Viticulture and Vineyard Management:

- **Grape Varieties:** Understanding the different types of grapes used in winemaking, including red varieties like Shiraz and Cabernet Sauvignon, and white varieties like Chenin Blanc and Sauvignon Blanc.
- **Climate and Soil:** Learning how the climate and soil in Nashik are ideal for viticulture and how these factors influence grape quality.
- **Cultivation Techniques:** Observing the techniques used for planting, nurturing, and harvesting grapes, including the importance of timing and methods like handpicking.

Winemaking Process:

- **Harvesting:** The importance of harvesting grapes at the right time to ensure optimal ripeness and quality.
- **Crushing and Fermentation:** The process of crushing grapes to extract juice and the fermentation process where yeast converts sugars into alcohol.
- **Aging:** Different aging methods, including the use of oak barrels and stainless steel tanks, and how they impact the flavor and quality of wine.
- **Bottling:** The steps involved in filtering, blending, and bottling wine, including the importance of maintaining hygiene and quality control.

Wine Tasting and Sensory Analysis:

- **Tasting Techniques:** Learning how to taste wine properly, including assessing the appearance, aroma, taste, and finish.
- **Wine Characteristics:** Identifying different characteristics of wines, such as acidity, sweetness, tannins, and body.
- **Types of Wines:** Gaining exposure to various types of wines, including sparkling, white, red, and dessert wines.

Sustainable Agricultural Practices:

- **Water Conservation:** Understanding the use of drip irrigation and other water-saving techniques.

- **Organic Farming:** The benefits of using organic fertilizers and reducing chemical use in agriculture.
- **Renewable Energy:** Observing the use of solar panels and other renewable energy sources to reduce the carbon footprint.

Botanical Knowledge:

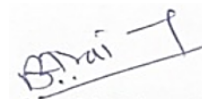
- **Plant Varieties:** Learning about a wide range of plant species, including native and exotic plants, medicinal and aromatic herbs, and ornamental plants.
- **Biodiversity:** Understanding the importance of plant biodiversity and its role in maintaining healthy ecosystems.
- **Conservation Strategies:** Gaining insights into conservation strategies and sustainable gardening practices that promote environmental health.

Practical Applications and Career Insights:

- **Career Opportunities:** Exploring potential career paths in viticulture, horticulture, environmental conservation, and sustainable tourism.
- **Hands-On Experience:** Gaining practical experience through interactive sessions and hands-on activities, enhancing their understanding and retention of concepts.

Conclusion:

The visit to Sula Vineyards and the Botanical Garden was a rich educational experience that provided students with practical knowledge, sensory skills, and a deeper appreciation for sustainable practices in agriculture and environmental conservation. The integration of theoretical learning with real-world applications made the visit highly valuable for their academic and personal growth.



B. N. Jaiswal
Head, Department of Botany

Photographs of the visit:

Students at Sula Vineyards



Nashik Flower Park



Sula Vineyard



Wine processing

