

Jr. College Recog.No. H.S.C./ 1074/R-1/DT : 8-8-1976  
Jr. College Code No. 23-09-002  
Jr. College U.Dise No. 27341301006

"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"  
-शिक्षणमहर्षी डॉ. बापूजी साळुंखे

ESTD.June 1964  
AISHE Code : C-11059  
DTE Code : 16125



**Shri Swami Vivekanand Shikshan Sanstha's**  
**VIVEKANAND COLLEGE, KOLHAPUR**

(AN EMPOWERED AUTONOMOUS INSTITUTE)  
2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur -416003  
Affiliated to Shivaji University, Kolhapur (M.S.)  
NAAC Reaccredited : "A+" (CGPA3.29)  
College with Potential for Excellence by U.G.C., New Delhi  
"Star College" by D.B.T Govt. of India  
ISO 9001 : 2015



Ph. : 0231-2658612 | Fax : 0231-2658840 | Resi. : 0231-2653962 | Website : [www.vivekanandcollege.ac.in](http://www.vivekanandcollege.ac.in) | E-mail : [info@vivekanandcollege.ac.in](mailto:info@vivekanandcollege.ac.in)

**Founder**  
**Dr. Bapuji Salunkhe**  
D.Lit.

**President**  
**Hon. Chandrakant Dada Patil**  
MLA

**Chairman**  
**Prin. Abhaykumar Salunkhe**  
M.A.

**Secretary**  
**Prin.Mrs. Shubhangi Gawade**  
M.Sc.,B.Ed.

**Inch. Principal**  
**Dr. S. P. Thorat**  
M.Sc.,M.Phil.,Ph.D.

# Study Tour at Ganpatipule, Ratnagiri

## 2025-2026

Organized by

**Department of Botany**

On

**30<sup>th</sup> December, 2025**

Study tour at Ganpatipule



Department of Botany

**Vivekanand College, Kolhapur**  
**(An Empowered Autonomous Institute)**

**Department of Botany**

**“Study Tour at Ganpatipule”**

**30<sup>th</sup> December, 2025**

**INDEX**

Sr. No.	Particulars	Page No.
1	Permission Letter	01
2	Notice	02
4	Attendance	03
5	Self-Declaration form	04
6	Photos	05-07
7	Tour report	08
8	One-page Report	09-10

  
Head

Department of Botany



  
Principal

I/c Principal  
Vivekanand College, Kolhapur  
(An Empowered Autonomous Institute)

**“Dissemination of Education for Knowledge, Science and Culture”**  
-Shikshanmaharshi Dr.Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur**

**(An Empowered Autonomous Institute)**

**Department of Botany**

**(2025-2026)**

Date: 29/12/2025

To,  
The Principal,  
Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

**Subject:** Permission for organizing an educational tour for B.Sc I, II and III students.

Respected Sir,

As per curriculum Department of Botany organizing an one day educational tour at Ganpatipule and Aare- Ware beach for B.Sc I, II, III students on Tuesday 30<sup>th</sup> December 2025.

The tour will be conducted under faculty supervision, following all institutional rules.

I kindly request you to grant permission for the same.

Thanking you.

*Arthotat*  
29-12-2025  
**I/c Principal**  
Vivekanand College, Kolhapur  
(An Empowered Autonomous Institute)



*Dangat*  
29.12.25  
**Dr. B.T. Dangat**  
**HEAD**  
Department of Botany  
Vivekanand College, Kolhapur  
(An Empowered Autonomous Institute)

**“Dissemination of Education for Knowledge, Science and Culture”**  
-Shikshanmaharshi Dr.Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur**

**(An Empowered Autonomous Institute)**

**Department of Botany**

**(2025-2026)**

Date:29/12/2025

## NOTICE

All the students of B.Sc I, II and III year students are hereby inform that as per curriculum, Department of Botany, is going to organizing an one day educational tour to Ganpatipule and Aare- Ware beach dated on Tuesday 30<sup>th</sup> December 2025.

Students must be present at the college campus by **5.30 AM** sharp.

Be present on time with your own lunch.



*B. T. Dangat*  
Dr. B. T. Dangat  
HEAD  
29.12.25  
Department of Botany  
Vivekanand College, Kolhapur  
(An Empowered Autonomous Institute)

One day Educational Study tour at Ganpatipule & Aare Ware beach 2025

Botany Department

Vivekanand college Kolhapur

List of Students	Mobile No.	Entry	Exit
1. Kshitij Ranjit Desai	7709625485	<i>Kshitij Desai</i>	<i>Kshitij Desai</i>
2. Meghashree .S. satpute	8888754294	<i>Meghashree</i>	<i>Meghashree</i>
3. Usha M. Kumbhar	9226365743	<i>Usha</i>	<i>Usha</i>
4. Vaishnavi R. Salunke	8329509998	<i>Vaishnavi</i>	<i>Vaishnavi</i>
5. Sumarbhi X. Bele	8261994796	<i>Sumarbhi</i>	<i>Sumarbhi</i>
6. Janhavi S. Kambli	9529435835	<i>Janhavi</i>	<i>Janhavi</i>
7. Kideri R. Yagandale	7840986389	<i>Kideri</i>	<i>Kideri</i>
8. Hansika Y. Patil	8010584665	<i>Hansika</i>	<i>Hansika</i>
9. Shreepad Jadhav	9075123291	<i>Shreepad</i>	<i>Shreepad</i>
10. Pratik V. More	8105398496	<i>Pratik</i>	<i>Pratik</i>
11. Karan Kamble	8319884951	<i>Karan</i>	<i>Karan</i>
12. Harshwardhan Magdum	7058312115	<i>Harshwardhan</i>	<i>Harshwardhan</i>
13. Rupesh Patil	7709946709	<i>Rupesh</i>	<i>Rupesh</i>
14. Vaishnavi Pravin Khode	74161900221	<i>Vaishnavi</i>	<i>Vaishnavi</i>
15. Digvijay Balu Davare	8956234166	<i>Digvijay</i>	<i>Digvijay</i>
16. Bhima Sambhaji Narkekar	9406683906	<i>Bhima</i>	<i>Bhima</i>
17. Priyanka Dipak Kumbhar	8668878967	<i>Priyanka</i>	<i>Priyanka</i>
18. Jyoti Suresh Patil	8421039888	<i>Jyoti</i>	<i>Jyoti</i>
19. Tukaram Dattatray Gutte	8468915833	<i>Tukaram</i>	<i>Tukaram</i>
20. Adesh Chandrakant Bhoje	9145355752	<i>Adesh</i>	<i>Adesh</i>
21. Nipun Mohan Jadhav	7276717400	<i>Nipun</i>	<i>Nipun</i>
22. Pushkar Devrao Patil	8600442428	<i>P.D. Patil</i>	<i>P.D. Patil</i>
23. Om Ranjendra Patil	7972594600	<i>O.R. Patil</i>	<i>O.R. Patil</i>
24. Badal Kamalendra Singh	9860165220	<i>Badal</i>	<i>Badal</i>

tehi



Divya

25. Samyak Tmaji Deshmukh	\$8432735045	<del>Deshmukh</del>	<del>Deshmukh</del>
26. Truptikya Nitin Dalavi	8149879998	<del>T.N. Dalavi</del>	<del>T.N. Dalavi</del>
27. Vaishnavi Rajaram Khot	9822852851	<del>V. Khot</del>	<del>V. Khot</del>
28. Nikita Tanaji Khot	8655902915	<del>N. Khot</del>	<del>N. Khot</del>
29. Priya Dilip Koli	8484824545	<del>P. Koli</del>	<del>P. Koli</del>
30. Shreya Jitendra Vegade	8484824545	<del>S. Vegade</del>	<del>S. Vegade</del>
31. Priya Darshani Salokhe	9960462667	<del>P. Salokhe</del>	<del>P. Salokhe</del>
32. Darshan Ramesh Koli	7620246571	<del>D. Koli</del>	<del>D. Koli</del>
33. Sandhyarani B. Parte	9049406907	<del>S. Parte</del>	<del>S. Parte</del>
34. Shaayu Shailendra Marathe	7272894646	<del>S. Marathe</del>	<del>S. Marathe</del>
35. Shravani Umesh Mule	7066959394	<del>S. Mule</del>	<del>S. Mule</del>
36. Shravni S. Patil	8830449891	<del>S. Patil</del>	<del>S. Patil</del>
37. Aishwarya N. Pole	7058455019	<del>A. Pole</del>	<del>A. Pole</del>
38. Apeksha R. Chougale	9075639203	<del>A. Chougale</del>	<del>A. Chougale</del>
39. Shrutikha N. Mane	7760201283	<del>S.N. Mane</del>	<del>S.N. Mane</del>
40. Shubham C. Gaikwad	9822891768	<del>S. Gaikwad</del>	<del>S. Gaikwad</del>
41. Shubham R. Shinde	9657957460	<del>S. Shinde</del>	<del>S. Shinde</del>
42. Siddhesh N. Lohar	7972532461	<del>S. Lohar</del>	<del>S. Lohar</del>
43. Tejas N. Siddani	9699059881	<del>T. Siddani</del>	<del>T. Siddani</del>
44. Shubham P. Halave	9404721862	<del>S. Halave</del>	<del>S. Halave</del>
45. Amruta. P. Goture	9373510753	<del>A. Goture</del>	<del>A. Goture</del>
46. Aarchit S. Patil	9528252117	<del>A. Patil</del>	<del>A. Patil</del>
47. Mahesh A. Shinde	7397011760	<del>M. Shinde</del>	<del>M. Shinde</del>
48. Soham S. Gurav	7387071760	<del>S. Gurav</del>	<del>S. Gurav</del>
49. Harsh A. Patil	7841902388	<del>H. Patil</del>	<del>H. Patil</del>
50. Shweta P. Sutar	8484824545	<del>S. Sutar</del>	<del>S. Sutar</del>
51. Saloni G. Patil	8830196046	<del>S. Patil</del>	<del>S. Patil</del>
52. Haripriya A. Patil	8459196100	<del>H. Patil</del>	<del>H. Patil</del>
53. Arati R. Ghosarawade	7892938899	<del>A. Ghosarawade</del>	<del>A. Ghosarawade</del>
54. Priti A. Patil	7264841429	<del>P. Patil</del>	<del>P. Patil</del>
55. Umesh Y. Patil	8956234166	<del>U. Patil</del>	<del>U. Patil</del>



56. Sanket D. Chile	7498992360	<del>Sanket</del>	<del>Sanket</del>
57. Gunjan V. Pol	8668225858	<del>Gunjan</del>	<del>Gunjan</del>
58. Varsha T. Gurav	7972922515	<del>Gurav</del>	<del>Gurav</del>
59. Sanika J. Thanekar	8329229581	S.J. Thanekar	S.J. Thanekar
60. Sanika R. Patil	8767878914	S.R. Patil	S.R. Patil
61. Vaishnavi S. Bellundagi	9022474179	V.S. Bellundagi	
62. Vaishnavi A. Patil	8275282020	<del>V. Patil</del>	
63. Vrushali T. Patil	7758852009	<del>V. Patil</del>	
64. Hiren V. Kukasni	7385302156	<del>H. Kukasni</del>	<del>H. Kukasni</del>
65. Yogiraj Patil	9284319179	<del>Y. Patil</del>	
66. Srushti Patil	9673494037	<del>S. Patil</del>	<del>S. Patil</del>
67. Vaishnavi Sankpal		<del>V. Sankpal</del>	
68. Priyanka Nalavade	9521226061	P.N. Nalavade	P.N. Nalavade
69. Pooja Ashok Koli	9156376579	P.A. Koli	P.A. Koli
70. Sachi Sunil Lole	8421028226	<del>S. Lole</del>	<del>S. Lole</del>
71. Sakshi Chandrakant Sutar	9967814120	<del>S. Sutar</del>	<del>S. Sutar</del>
72. Priyanka Laxman Kamble	7744966365	<del>P. Kamble</del>	<del>P. Kamble</del>
73. Shivam S. Pawar	7588586146	<del>S. Pawar</del>	
74. Tejashree G Hande	8855004636	T.G. Hande	T.G. Hande
75. Georgi J. Patil	8830561849	<del>G. Patil</del>	<del>G. Patil</del>
76. Aditi A. Kale	8669636223	<del>A. Kale</del>	
77. Shravani Patil	7559179500	<del>S. Patil</del>	<del>S. Patil</del>
78. Divya D. Patil	7219505546	<del>D. Patil</del>	
79. Samruddhi S. Patil	9322661331	<del>S. Patil</del>	
80. Sonali D. Kurangotagi	7666732653	<del>S. Kurangotagi</del>	<del>S. Kurangotagi</del>
81. Minakshi A. Waghmode	7620815131	<del>M. Waghmode</del>	<del>M. Waghmode</del>
82. Pushpak Chougale			
83. Sanika R. Patil	8208440611	S.R. Patil	
84. Vashnavi S. Patil	7058751977	<del>V. Patil</del>	<del>V. Patil</del>
85. Neha R. Patil	9028962296	<del>N. Patil</del>	<del>N. Patil</del>
86. Sanika S. Fadtare	9356871717	<del>S. Fadtare</del>	<del>S. Fadtare</del>
87. Sufiya S. Mujawar	7821855665	S.S. MUJAWAR	S.S. MUJAWAR
88. Shrutti S. Machivale	9325246520	S.S.M	S.S.M



VINO 7/73

**Staff members' names:**

1. Dr. B.T. Dangat



2. Dr. S.S. Wadkar



3. Miss. S.V. Khorate



4. Mrs P.A. Talekar

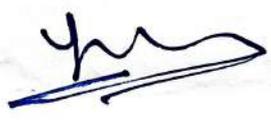


5. Miss. A. A. Bogare



**Non-Teaching Staff**

Mr. Yashwant shingare



Some declaration forms of some students -

दिनांक: 30/12/2025

दिनांक: 30/12/2025

प्रति,  
मा. प्राचार्य,  
विवेकानंद कॉलेज,  
कोल्हापूर (स्वायत्त)

प्रति,  
मा. प्राचार्य,  
विवेकानंद कॉलेज,  
कोल्हापूर (स्वायत्त)

विषय: शैक्षणिक सहलीमध्ये सहभागी करून घेणेबाबत

विषय: शैक्षणिक सहलीमध्ये सहभागी करून घेणेबाबत

महोदय,

महोदय,

माझा पाल्य श्री / कु. वेदेही राजेंद्र वारदुडे हा/ ही आपल्या महाविद्यालयात शैक्षणिक वर्ष २०२४-२५ मध्ये BSc - I या वर्गात शिकत आहे. सदर वर्गाची शैक्षणिक सहल दिनांक 30/12/2025 रोजी गणपतिपुजे येथे जात आहे याची मला पुत्रकल्पना आहे. या सहलीमध्ये माझ्या पाल्यास सहभागी करून घ्यावे ही विनंती.

माझा पाल्य श्री / कु. श्रुतिका नेताजी मंगे हा/ ही आपल्या महाविद्यालयात शैक्षणिक वर्ष २०२४-२५ मध्ये BSc I Micro या वर्गात शिकत आहे. सदर वर्गाची शैक्षणिक सहल दिनांक 30/12/2025 रोजी गणपतिपुजे येथे जात आहे याची मला पुत्रकल्पना आहे. या सहलीमध्ये माझ्या पाल्यास सहभागी करून घ्यावे ही विनंती.

सदर सहलीमध्ये माझा पाल्य स्वतःच्या जबाबदारीवर सहभागी होत आहे. सहलीतील सर्व नियम पाळ्यास / मला मान्य असून पाल्य सहलप्रमुखांनी दिलेल्या सर्व सूचनांचे पालन करीन. माझ्या पाल्यास / कोणत्याही प्रकारची ॲलर्जी / आजार नसून सहलीमध्ये दुर्दैवाने कोणतीही दुर्घटना घडल्यास त्यास कोलेज प्रशासन, प्राध्यापक अथवा कर्मचारी यापैकी कोणीही जबाबदार राहाणार नाहीत याची मला कल्पना आहे. पाल्य स्वतःच्या जबाबदारीवर सहलीत सहभागी होत आहे. तरी सहलीत सहभागी करून घ्यावे ही विनंती.

सदर सहलीमध्ये माझा पाल्य स्वतःच्या जबाबदारीवर सहभागी होत आहे. सहलीतील सर्व नियम पाळ्यास / मला मान्य असून पाल्य सहलप्रमुखांनी दिलेल्या सर्व सूचनांचे पालन करीन. माझ्या पाल्यास / कोणत्याही प्रकारची ॲलर्जी / आजार नसून सहलीमध्ये दुर्दैवाने कोणतीही दुर्घटना घडल्यास त्यास कोलेज प्रशासन, प्राध्यापक अथवा कर्मचारी यापैकी कोणीही जबाबदार राहाणार नाहीत याची मला कल्पना आहे. पाल्य स्वतःच्या जबाबदारीवर सहलीत सहभागी होत आहे. तरी सहलीत सहभागी करून घ्यावे ही विनंती.

कळावे,

आपला विश्वासू

विद्यार्थ्यांची सही: वेदेही राजेंद्र वारदुडे  
नाम: वेदेही राजेंद्र वारदुडे  
मोबाईल क्रमांक: 7385332123

आपला विश्वासू  
पालकाची सही: Piyushk  
पालकाचे नांव: राजेंद्र तजमजी वारदुडे  
मोबाईल क्रमांक: 7840986389

विद्यार्थ्यांची सही: S.M.Mane  
नाम: श्रुतिका नेताजी मंगे  
मोबाईल क्रमांक: 7760201283

पालकाची सही: S.M.Mane  
पालकाचे नांव: शारिका नेताजी मंगे  
मोबाईल क्रमांक: 8861849602

प्रति,  
मा. प्राचार्य,  
विवेकानंद कॉलेज,  
कोल्हापूर (स्वायत्त)

प्रति,  
मा. प्राचार्य,  
विवेकानंद कॉलेज,  
कोल्हापूर (स्वायत्त)

विषय: शैक्षणिक सहलीमध्ये सहभागी करून घेणेबाबत

विषय: शैक्षणिक सहलीमध्ये सहभागी करून घेणेबाबत

महोदय,

महोदय,

माझा पाल्य श्री / कु. Rajesh Sunil Patil हा/ ही आपल्या महाविद्यालयात शैक्षणिक वर्ष २०२४-२५ मध्ये BSc - III या वर्गात शिकत आहे. सदर वर्गाची शैक्षणिक सहल दिनांक 30/12/2025 रोजी Are Varshears येथे जात आहे याची मला पुत्रकल्पना आहे. या सहलीमध्ये माझ्या पाल्यास सहभागी करून घ्यावे ही विनंती.

माझा पाल्य श्री / कु. बादल कुमलेंद्र सिंग हा/ ही आपल्या महाविद्यालयात शैक्षणिक वर्ष २०२४-२५ मध्ये B.Sc - II या वर्गात शिकत आहे. सदर वर्गाची शैक्षणिक सहल दिनांक 30/12/25 रोजी गणपतिपुजे येथे जात आहे याची मला पुत्रकल्पना आहे. या सहलीमध्ये माझ्या पाल्यास सहभागी करून घ्यावे ही विनंती.

सदर सहलीमध्ये माझा पाल्य स्वतःच्या जबाबदारीवर सहभागी होत आहे. सहलीतील सर्व नियम पाळ्यास / मला मान्य असून पाल्य सहलप्रमुखांनी दिलेल्या सर्व सूचनांचे पालन करीन. माझ्या पाल्यास / कोणत्याही प्रकारची ॲलर्जी / आजार नसून सहलीमध्ये दुर्दैवाने कोणतीही दुर्घटना घडल्यास त्यास कोलेज प्रशासन, प्राध्यापक अथवा कर्मचारी यापैकी कोणीही जबाबदार राहाणार नाहीत याची मला कल्पना आहे. पाल्य स्वतःच्या जबाबदारीवर सहलीत सहभागी होत आहे. तरी सहलीत सहभागी करून घ्यावे ही विनंती.

सदर सहलीमध्ये माझा पाल्य स्वतःच्या जबाबदारीवर सहभागी होत आहे. सहलीतील सर्व नियम पाळ्यास / मला मान्य असून पाल्य सहलप्रमुखांनी दिलेल्या सर्व सूचनांचे पालन करीन. माझ्या पाल्यास / कोणत्याही प्रकारची ॲलर्जी / आजार नसून सहलीमध्ये दुर्दैवाने कोणतीही दुर्घटना घडल्यास त्यास कोलेज प्रशासन, प्राध्यापक अथवा कर्मचारी यापैकी कोणीही जबाबदार राहाणार नाहीत याची मला कल्पना आहे. पाल्य स्वतःच्या जबाबदारीवर सहलीत सहभागी होत आहे. तरी सहलीत सहभागी करून घ्यावे ही विनंती.

कळावे,

कळावे,

विद्यार्थ्यांची सही: Rajesh Sunil Patil  
नाम: Rajesh Sunil Patil  
मोबाईल क्रमांक: 99496709

आपला विश्वासू  
पालकाची सही: Vijayade Sunil  
पालकाचे नांव: Vijayade Sunil  
मोबाईल क्रमांक: 9850257723

विद्यार्थ्यांची सही: बादल कुमलेंद्र सिंग  
नाम: बादल कुमलेंद्र सिंग  
मोबाईल क्रमांक: 9860165220

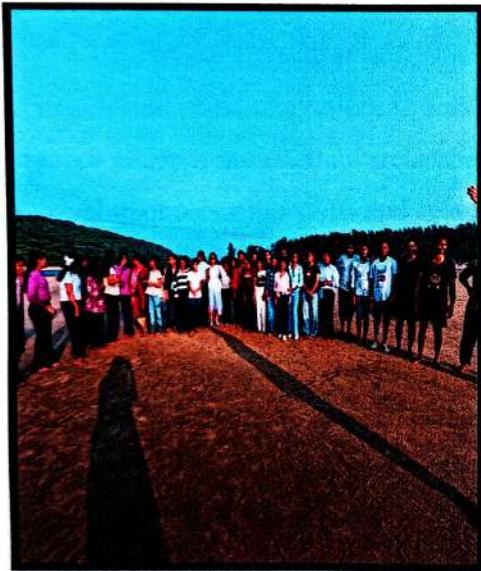
आपला विश्वासू  
पालकाची सही: बादल कुमलेंद्र सिंग  
पालकाचे नांव: कुमलेंद्र सिंग  
मोबाईल क्रमांक: 8136234138



**Photos of study tour :-**



**Students at aare ware beach with faculty**



**Students at ganpatipule**

*Jangal*



**Students found Star fish (Sea star) at aare ware beach**



# Tour Report

## Study Tour at Ganpatipule

### Introduction

Educational tours are an essential part of science education as they provide practical exposure beyond classroom learning. Keeping this objective in mind, the Department of Botany organised an educational tour to Ganpatipule and Aare-Ware Beach, two ecologically significant coastal regions on the Konkan coast. The tour aimed to provide students with a firsthand experience of coastal ecosystems, plant diversity, and environmental adaptations.

### Objectives of the Tour

The main objectives of the educational tour were:

1. To study coastal and marine ecosystems
2. To observe coastal vegetation and biodiversity
3. To understand plant adaptations to saline, sandy, and windy environments
4. To promote environmental awareness and conservation values
5. To develop observation skills and scientific thinking among students

### Visit to Ganpatipule:

Ganpatipule is a famous coastal town known for its pristine beach and religious significance. On reaching Ganpatipule, students visited the coastal area and the surroundings of the Ganpati temple.

Botanical Observations: Students observed various coastal plant species such as:

*Cocos nucifera* (Coconut palm)

*Casuarina equisetifolia*

*Ipomoea pes-caprae* (Beach morning glory)

*Pandanus* species

Faculty members explained the ecological role of coastal vegetation, including:

1. Prevention of soil erosion
2. Protection against strong sea winds
3. Stabilization of dunes.

Students also learned about halophytic adaptations such as waxy leaves, deep root systems, and salt tolerance mechanisms.



## Visit to Aare-Ware Beach

Aare-Ware Beach, known for its clean environment and scenic beauty, provided an ideal location for studying natural coastal ecosystems with minimal human disturbance.

### Ecological Studies:

1. Observation of the sandy beach ecosystem.
2. Study of tidal effects and wave action.
3. Identification of marine organisms such as shells, crabs, and algae.
4. Understanding biotic and abiotic factors affecting coastal life.

Students were guided to understand the impact of climate, salinity, sunlight, and wind on plant and animal life. Discussions were also held on coastal pollution, plastic waste, and conservation strategies.

### Educational and Academic Importance:

The tour helped students to:

Correlate theoretical knowledge with field observations

Gain practical understanding of plant ecology and environmental biology

Develop interest in field research and environmental studies

Improve teamwork, discipline, and leadership qualities

Such experiential learning plays a vital role in strengthening scientific concepts taught in subjects like Ecology, Environmental Science, Plant Physiology, and Biodiversity.

### Safety and Discipline

All students followed the instructions given by faculty members. Safety measures were strictly maintained throughout the tour. Students cooperated well, maintained discipline, and showed enthusiasm during the entire programme.

### Conclusion

The educational tour to Ganpatipule and Aare-Ware Beach was highly informative and successful. It provided valuable exposure to coastal biodiversity and ecological concepts. The tour enhanced students' academic knowledge, environmental responsibility, and appreciation for nature. Such educational tours are highly beneficial and should be organized regularly for holistic development of students.

### List of plants seen during excursion:

#### 1. Primary Coastal Trees & Plantations

- **Coconut Palm:** *Cocos nucifera*
- **Areca Nut (Betel Nut):** *Areca catechu*
- **Alphonso Mango:** *Mangifera indica* **Cashew:** *Anacardium occidentale*
- **Casuarina (Suru):** *Casuarina equisetifolia*



VINO Y73

## 2. Mangrove Species

Commonly found along the estuarine parts of Ganapatipule and the Are/Sakhartar creeks:

- **Grey Mangrove:** *Avicennia marina*
- **White Mangrove:** *Sonneratia alba*
- **Holly-leaved Mangrove:** *Acanthus ilicifolius*
- **Black Mangrove:** *Aegiceras corniculatum*
- **Indian Mangrove:** *Ceriops tagal*
- **Milky Mangrove:** *Excoecaria agallocha*

## 3. Coastal & Beach Flora

- **Beach Morning Glory:** *Ipomoea pes-caprae* (also known as *Ipomoea biloba*)
- **Thatch Screwpine:** *Pandanus tectorius*
- **Sea Purslane:** *Sesuvium portulacastrum*
- **Beach Spider Lily:** *Hymenocallis littoralis*

## 4. Flowering Trees & Wild Shrubs

- **Indian Coral Tree (Mandar):** *Erythrina variegata*
- **Gulmohar:** *Delonix regia*
- **Champa (Frangipani):** *Plumeria alba*
- **Indian Banyan:** *Ficus benghalensis*
- **Kokum:** *Garcinia indica*

## 5. Rare or Endemic Species

- **Konkan Dipcadi:** *Dipcadi concanense*
- **Ratnagiri Sedge:** *Fimbristylis ratnagirica*
- **Tuberous Herb:** *Fimbristylis stolonifera* (specifically recorded at Ganapatipule)



“Dissemination of Education for Knowledge, Science and Culture”

-Shikshahmaharshi Dr. Bapuji Salunkhe



**Vivekanand College, Kolhapur**  
(An Empowered Autonomous Institute)

**Internal Quality Assurance Cell**

**2025-26**



### **Quality Initiatives/ Activities Report**

**1. Name of Department:** Botany

**2. Name of Organized Activity:** Study Tour to Ganpatipule & Aare-ware Beach, Ratnagiri

**3. Date/ Duration:** 30<sup>th</sup> December 2025

**4. Aims and Objectives:**

- 1) To provide students with experiential and field-based learning beyond classroom teaching.
- 2) To study coastal biodiversity, including flora and fauna of sandy and rocky shores.
- 3) To create awareness about environmental conservation and sustainable utilization of natural resources.
- 4) To link theoretical knowledge with practical field experience.
- 5) To foster interest in ecology, biodiversity studies, and environmental research.

**5. No. of beneficiaries:** 88

**6. Expenditure & funding agency:/collaborators:** No

**7. Brief description:**

The Department of Botany, Vivekanand College (An Empowered Autonomous Institute), Kolhapur, organized a study tour to Ganpatipule and Aare-ware Beach, Ratnagiri, on 30th December 2025. The tour aimed to observe and document coastal plant diversity and understand the ecological dynamics of the region.

A total of 88 students and 5 faculty members participated in the tour. The journey commenced from the college at 5:30 a.m., reaching Ganpatipule by 11:30 a.m. During the field visit, students recorded over 40 species of flowering plants from diverse families, including Asteraceae, Fabaceae, Orchidaceae, Acanthaceae, Anacardiaceae, Combretaceae, and Myrtaceae. Notable species observed included:

- **Cocos nucifera** (Coconut), **Areca catechu** (Areca Palm), **Mangifera indica** (Mango), **Anacardium occidentale** (Cashew)
- **Ipomoea spp.**, **Pandanus tectorius**



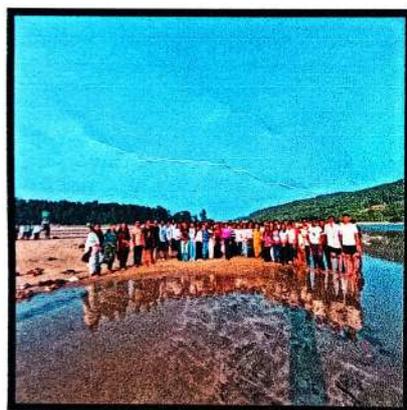
- **Sesuvium portulacastrum** (Sea Purslane), **Hymenocallis littoralis** (Beach Spider Lily), **Dipcadi concanense**
- **Ficus benghalensis** (Indian Banyan)

Faculty guided the students throughout, explaining ecological adaptations, environmental challenges, and conservation responsibilities.

### 8. Outcomes / Impact:

The study tour provided students with valuable hands-on experience in coastal ecology and biodiversity assessment. Students enhanced their understanding of plant and algal diversity in seashore ecosystems and gained insights into conservation and sustainable management practices. The activity motivated students toward further studies in ecology and environmental science, fostering environmental awareness and scientific curiosity.

### 9. Photos:



### 10. Signature of coordinator/organizer:

*[Handwritten Signature]*  
HEAD

Department of Botany  
Vivekanand College, Kolhapur  
(An Empowered Autonomous Institute)

*[Handwritten Signature]*

I/c Principal  
Vivekanand College, Kolhapur  
(An Empowered Autonomous Institute)

