Rayat Shikshan Sanstha's

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

## Department of Geography

**Organized**

## Soil Analysis Activity

**2025-2026**

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Report

**Date- 30/10/2025**

In the academic year 2025-2026, the Departments of Geography organized an inter-collaborative group activity on **'Soil analysis'** dated on 30/10/2025 with the chemistry department for B.A-II geography students. The activity focused soil analysis and scientific testing. The activity was carried out under the guidance of Ms. Madavi. A. B (Head, Department of geography). The coordination of activity was successfully managed by Mr. Maske. S. A and Miss. Zambre. N. V with support from the chemistry department faculty.

The objective of this collaborative activity was to enhance students understanding of soil properties through both field sampling and laboratory based scientific analysis. Geography students first learned systematic methods of soil sample collection, including selection of sampling sites, observation of soil profile, and sampling depth. This field-based learning provided strong foundation for further testing.

After understanding the primary objective, students took their collected soil samples to the chemistry department. In the laboratory, Prof. Gavari. D. P. briefly explained the function of the soil testing machines and demonstrated how to operate them. He explain students how to use the pH meter, texture analysis, and nutrient testing equipment and guided them in reading and interpretation the results. This short hands-on session helped students learn the basic process of scientific soil testing in a clear and practical way.

This demonstration, students performed soil tests under the guidance of Mrs. Maske. S.A. and Chemistry faculty. Students analyzed soil pH, texture, moisture content, organic carbon and essential nutrient (NPK) These activity results helped students understand how chemical properties influence soil fertility. Crop selection and sustainable land management practices.

This inter-collaborative approach allowed students to connect geographical concepts with chemical testing techniques, improving both their field skills and laboratory confidence. This activity encouraged teamwork, scientific thinking and interdisciplinary learning.

This activity was highly beneficial in enhancing student's practical skills by linking geographical concepts with chemical analysis techniques. It encouraged teamwork, scientific thinking. The cooperation and support of both departments contributed to the successful completion of this academic initiative.

**Outcomes of the Soil Activity**

- To understand basic soil properties through filed sampling and testing
- To develop practical skills in soil pH, texture, and nutrient analysis.
- To apply interdisciplinary knowledge for better interpretation of soil quality.

**Beneficiaries: - 15**

**Teachers: 05**

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

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

Students collected soil sample for soil analysis

Students collected soil sample for soil analysis

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Dr. Patangrao Kadam Mahavidyalaya
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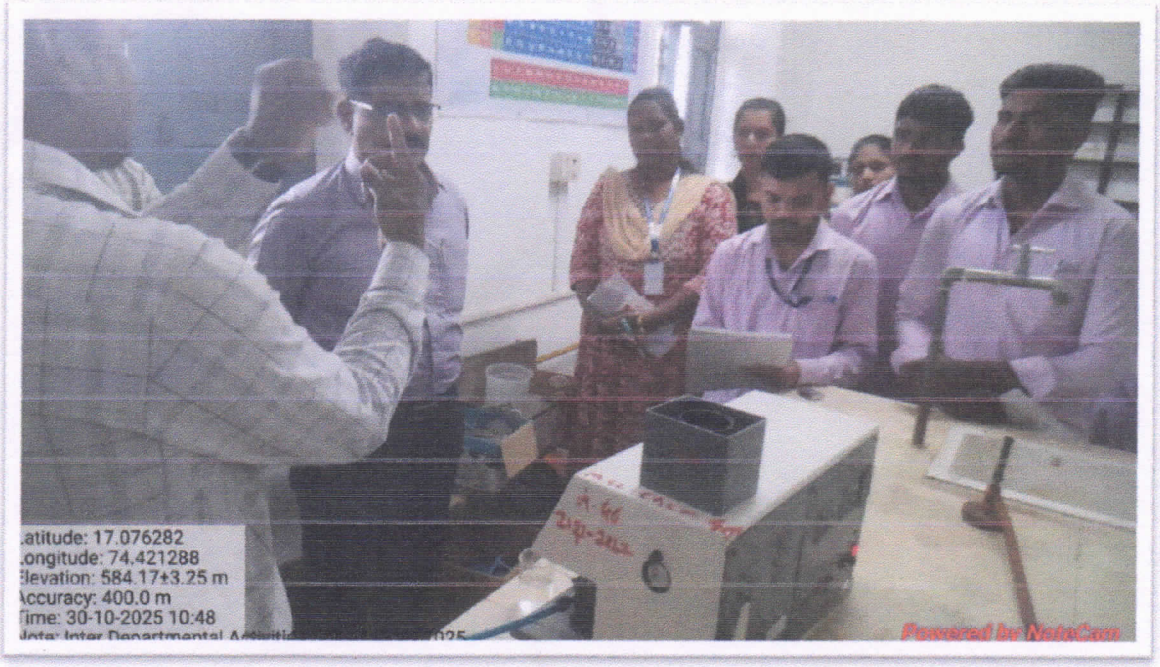
Prof. Gavari.D.P sir guided about soil testing machine




Prof. Gavari. D.P sir guided how to calculate pH value

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## Soil Analysis Activity

**2025-2026**

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**Date:- 28/10/2025**

## -: NOTICE :-

All the students of BA II Geography are hereby informed that the Department of the geography is organizing an inter-collaborative Group Activity on Soil Analysis in coordination with the Department of Chemistry. As a part of BA II Practical syllabus.

In this activity, Students will learn how to collect soil samples in the filed and will also get hands on experience of soil testing in the chemistry laboratory.

Activity Details:

- Date: 28/10/2025
- Time: 11.00 AM
- Venue: Chemistry Department Laboratory

All the concerned Students are informed to remain present on time and participate activity. Attendance is compulsory and all participants should bring:

1. Students must bring their soil samples.
2. Notebook and pen/pencil for notes.
3. College ID card and water bottle.

**Head**
Department of Geography
Dr. Patangrao Kadam Mahavidyalaya,
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## Soil Analysis Activity

**2025-2026**

**Date: 30/10/2025**

### Participant List

| Sr. No | Name | Sign |
|---|---|---|
| 1. | Nafisa Akram Nadaf. | |
| 2. | Uttam Rajaram Bhosale | U.R.Bhosale |
| 3 | Shubham Pramod Meshram | |
| 4 | Gaikwad Vinod Uttam | |
| 5) | Nakushi Prakash Chavan | N.P.Chavan |
| (6) | Parth Dipak Bachche Patil | |
| 7) | Nakushi Prakash Chavan | N.P.Chavan |
| 8) | Onkar Hanmant Jadhav | |
| 9 | Akshay Sambhaji Budhavale | |
| 10 | Mayuri Sandip Kadam | Kadam |
| 11 | Parth Dipak Bachche Patil | |
| 12 | Sharvari Raviraj Jadhav. | Jadhav. |
| 13 | Shantanu Uday Jadhav | |
| 14 | Ruthviraj Sandip Rade | |
| 15 | Ayush Ulhas Patil | |
| 16 | Digambar Damodar Tone | |
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