

KTSPMS

HUATMA RAJGURU MAHAVIDYALAYA

Rajgurunagar, Tal – Khed, Dist – Pune 410505

Name of Department – Geography**Name of Activity –****Report on Soil and Land Pollution Classroom Seminar**

The Department of Geography, **Hutatma Rajguru Mahavidyalaya, Rajgurunagar**, organized a **Soil and Land Pollution Classroom Seminar** on **Tuesday, 15 September 2026**, from **10.00 a.m. to 12.30 p.m.** The seminar was organized with the objective of creating awareness among students about the causes, sources, consequences and control measures of soil and land pollution. The activity provided students with an opportunity to understand soil and land pollution as important environmental and geographical issues and to relate theoretical concepts with real-life environmental conditions. A total of **26 Third Year Geography students** participated in the seminar.

The activity was conducted under the guidance of **Prof.Dr. D. D. Muluk, Head, Department of Geography**, and coordinated by **Dr. D. M. Markad and Prof. M. L. Muluk**. The faculty members provided academic guidance to the students and encouraged them to actively participate in discussions and presentations. The seminar was designed as an interactive classroom learning activity, with emphasis on student participation, critical thinking, environmental awareness and practical understanding of pollution-related issues.

At the beginning of the seminar, the faculty introduced students to the basic concepts of **soil pollution and land pollution**. Students were informed about the importance of soil as a fundamental natural resource that supports agriculture, vegetation, biodiversity and human activities. The seminar also emphasized that land is an important component of the geographical environment and that improper use and disposal of waste can adversely affect its quality and productivity.

The students discussed the major **sources and causes of soil and land pollution**. These included excessive use of chemical fertilizers and pesticides, industrial waste, domestic solid waste, plastic waste, construction debris, mining activities, improper disposal of hazardous materials, sewage and wastewater, and other human activities. The students examined how rapid urbanization, industrialization, population growth and changing consumption patterns can increase pressure on land resources and contribute to environmental degradation.

An important part of the seminar focused on the **impact of agricultural activities on soil quality**. Students discussed how excessive and inappropriate use of chemical fertilizers

and pesticides may affect soil properties and soil organisms. They also examined the importance of maintaining soil fertility through appropriate agricultural practices, organic matter management, balanced use of inputs and soil conservation measures. This discussion helped students understand the close relationship between soil health, agricultural productivity and sustainable development.

The seminar also covered the role of **industrialization and urbanization in land pollution**. Students discussed the accumulation of industrial waste, municipal solid waste, plastic materials and construction waste in and around urban areas. They examined how improper waste disposal can degrade land quality and may also affect groundwater and surrounding ecosystems. The students were encouraged to understand the need for scientific waste management and responsible land-use planning.

The participants also discussed the **environmental consequences of soil and land pollution**. These included deterioration of soil quality, reduction in soil fertility, contamination of land, loss of soil organisms, degradation of agricultural land and adverse effects on ecosystems. Students also considered the possibility of pollutants moving from contaminated soil into water systems and food chains. These discussions helped them understand the interconnected nature of different components of the environment.

Another important topic discussed during the seminar was the relationship between **soil pollution and human health**. Students learned that contaminated land and soil can become a source of exposure to harmful substances and that pollution may indirectly affect communities through contaminated food, water and environmental conditions. The discussion highlighted the importance of maintaining clean and healthy land resources for sustainable human development.

The students were introduced to various **measures for controlling and preventing soil and land pollution**. These included proper segregation and disposal of solid waste, recycling and reuse of materials, reduction in plastic use, scientific treatment of industrial waste, appropriate use of fertilizers and pesticides, promotion of organic farming practices, afforestation, soil conservation, land reclamation and environmental awareness. The importance of proper implementation of environmental regulations and responsible participation by citizens was also discussed.

The seminar also emphasized the importance of **sustainable land management**. Students discussed the need to use land resources carefully and maintain a balance between development activities and environmental conservation. They were encouraged to understand that soil formation is a slow natural process and that degradation of soil and land resources can have long-term consequences for agriculture, ecosystems and human society.

The classroom seminar provided students with an opportunity to develop their **analytical and critical-thinking skills**. Through discussions, students examined the causes and

consequences of soil and land pollution and considered possible solutions. They were encouraged to relate the topic to environmental conditions in their local surroundings and to identify pollution-related problems that may occur in rural as well as urban areas.

The activity also contributed to the development of **environmental awareness and responsible citizenship** among the students. Students were encouraged to adopt environmentally responsible practices such as reducing waste generation, avoiding littering, promoting segregation of waste, conserving soil resources and participating in environmental protection activities. The seminar highlighted that environmental conservation requires cooperation between individuals, communities, institutions and government agencies.

The participation of **26 Third Year students** made the seminar interactive and academically meaningful. Students actively participated in discussions, shared their observations and raised questions regarding soil and land pollution. The faculty members provided explanations and encouraged students to approach environmental issues from a geographical perspective. This interaction created an effective learning environment and strengthened students' understanding of environmental geography.

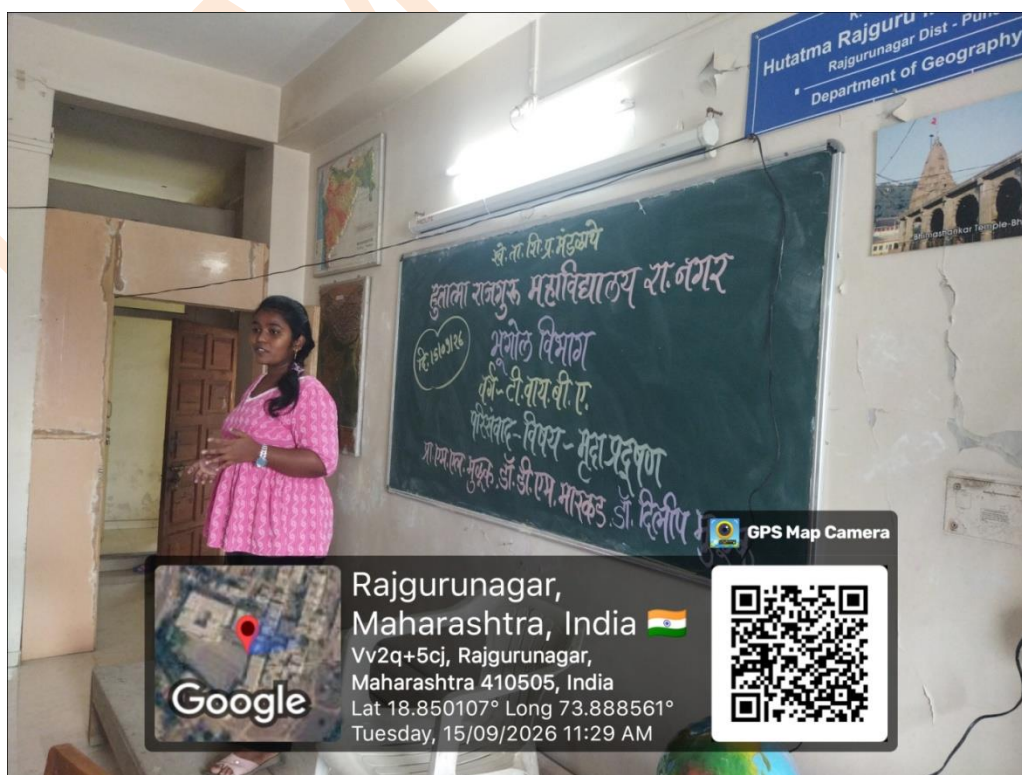
From an academic perspective, the seminar successfully connected classroom concepts related to **Environmental Geography, Soil Geography, Land Resources and Sustainable Development** with contemporary environmental issues. Students gained a broader understanding of how human activities influence natural resources and how appropriate management practices can help reduce environmental degradation.

Overall, the **Soil and Land Pollution Classroom Seminar** was successfully organized by the Department of Geography, Hutatma Rajguru Mahavidyalaya, Rajgurunagar, on **15 September 2026**. The activity involved **26 Third Year Geography students** and was conducted under the guidance of **Prof.Dr. D. D. Muluk, Head of the Department**, with coordination by **Dr. D. M. Markad and Prof. M. L. Muluk**. The seminar enhanced students' understanding of the causes, effects and control measures of soil and land pollution and developed their environmental awareness, analytical thinking and sense of responsibility towards natural resources. The activity successfully promoted experiential, participatory and environment-oriented learning within the Department of Geography.


विभाग प्रमुख
भूगोल विभाग
हुतात्मा राजगुरु महाविद्यालय
राजगुरुनगर, (खेड) जि. पुणे.


डॉ. शिरीष पिंगळे
प्राचार्य
हुतात्मा राजगुरु महाविद्यालय
राजगुरुनगर, ता. खेड, जि. पुणे.









KTSPMS
HUTATMA RAJGURU MAHAVIDYALAYA, RAJGURUNAGAR
DEPARTMENT OF GEOGRAPHY
TYBA GEOGRAPHY STUDENT LIST 2026-2027

(4) Name of Function/Event Soil Pollution Seminar
Date 15/09/26

Sl	Student Name	Roll No.	Signature
1	Aherkar Vaishnavi Santosh	05	V.S. Aherkar
2	Bhalerao Gauri Sambhaji	13	G.S. Bhalerao
3	Date Payal Dinesh		
4	Gadage Sayali Subhash		S.S. Gadage
5	Gangavane Akshada Bapu		
6	Gawade Surekha Dadabhau	35	S.D. Gawade
7	Gawade Mayur Suryakant	36	Gawade
8	Gawade Pranav Vitthal		
9	Gawade Vaishnavi Santosh	38	Gawade
10	Ghawate Aniket Darku	41	Ghawate
11	Gogawale Kunal Ashok	49	Gogawale
12	Gogawale Shubham Sunil	50	Gogawale
13	Jadhav Apeksha Ramdas	53	A.R.J.
14	Jadhav Rohan Dadarav		
15	Kaduskar Aishwarya Sampat	61	Kaduskar
16	Karale Pratiksha Kailas	65	Karale
17	Kedari Nitin Jijaba		
18	Kengale Payal Balu	71	Kengale
19	Khandagale Vishal Vishavas	73	Khandagale
20	Khandage Pratik Dattatray	74	Khandage
21	Khandave Onkar Mohan	75	Khandave
22	Kothawale Sayli Jaysing		
23	More Pallavi Madhukar		
24	Muthe Varsha Sunil	97	Muthe
25	Nangare Kunal Ankush		Nangare
26	Ovhal Shreya Aabasaheb	104	Ovhal
27	Pardhi Atish Namdev	111	A.M. Pardhi
28	Rajbhar Kajal Chhannulal		
29	Sawant Akash Manik		

