

KTSPMS

HUATMA RAJGURU MAHAVIDYALAYA

Rajgurunagar, Tal – Khed, Dist – Pune 410505

Name of Department – Geography**Name of Activity –****Report on SOI Map Reading Workshop**

The Department of Geography, **Hutatma Rajguru Mahavidyalaya, Rajgurunagar**, organized a **SOI Map Reading Workshop** on **Tuesday, 04 August 2026**, from **10.00 a.m. to 12.30 p.m.** The main objective of the workshop was to provide students with practical knowledge and skills related to the reading, interpretation and analysis of **Survey of India (SOI) Topographical Maps**. The workshop was organized as an important practical learning activity to help students understand geographical features represented on topographical maps and to develop their ability to interpret maps systematically.

The activity was conducted under the guidance of **Prof.Dr. D. D. Muluk, Head, Department of Geography**, and was coordinated by **Dr. D. M. Markad and Prof. M. L. Muluk**. A total of **55 Second Year Geography students** participated in the workshop. The active participation of the students made the workshop interactive and practically oriented. The faculty members provided students with detailed instructions and demonstrations on various aspects of SOI map reading and interpretation.

At the beginning of the workshop, students were introduced to the **Survey of India and the importance of topographical maps in geographical studies**. The faculty explained that topographical maps provide detailed information about both natural and cultural features of an area. Students were made familiar with the basic components of a topographical map, including the map number, sheet reference, scale, direction, grid system, conventional signs, contours and other essential information required for systematic map interpretation.

A major part of the workshop focused on understanding **map scale and distance measurement**. Students learned how to identify the scale of an SOI map and use it to calculate ground distances from map distances. Demonstrations were provided on the use of linear and representative fraction scales. Students were encouraged to perform practical exercises involving the measurement of distances between selected geographical features on the map.

The students were also trained in identifying **directions, bearings and grid references**. The faculty explained the importance of north lines and different methods of determining direction on a topographical map. Students learned how to locate specific features using grid references and understand the geographical position of different features represented on the

map. Practical exercises helped students develop accuracy and confidence in locating features on SOI sheets.

An important component of the workshop was the interpretation of **contours and relief features**. Students were introduced to contour lines, contour intervals and the relationship between contour patterns and terrain. Through practical examples, they learned how closely spaced contours indicate steep slopes while widely spaced contours indicate relatively gentle slopes. Students were also introduced to the identification of various relief features such as hills, valleys, ridges, spurs, saddles and depressions from contour patterns.

The workshop also focused on the identification and interpretation of **drainage features**. Students learned to identify rivers, streams, tributaries, drainage patterns and other water-related features represented through conventional signs and symbols. They were encouraged to observe the relationship between drainage and relief and to understand how the shape and arrangement of drainage networks provide information about the physical characteristics of an area.

The faculty members also explained the representation of **natural and cultural features** on SOI maps. Students learned to identify settlements, roads, railways, agricultural land, forests, wells, tanks, temples, schools and other human-made features using conventional signs and symbols. This helped students understand the relationship between the physical environment and human activities and provided an introduction to the interpretation of settlement patterns and land use.

Students were also introduced to the importance of **conventional signs and colours** used on topographical maps. They learned that different colours and symbols are used to represent different geographical and cultural features. Understanding these symbols is essential for accurate interpretation of SOI maps. The students practiced identifying various features from the map using the appropriate conventional signs.

The workshop also introduced students to the analysis of **settlement patterns and land-use characteristics**. Students observed the distribution and arrangement of settlements and examined their relationship with roads, drainage systems, relief and other geographical factors. This activity helped students understand how topography, water availability, transportation and other environmental factors influence the location and development of human settlements.

The practical nature of the workshop helped students connect theoretical concepts studied in Geography with actual map interpretation. Instead of simply learning definitions of contours, conventional signs, grid references and drainage patterns, students worked directly with SOI maps and attempted to identify and interpret geographical features. This approach strengthened their understanding and developed their ability to apply geographical knowledge in practical situations.

The workshop also contributed to the development of important **geographical and analytical skills** among the students. Students developed skills in observation, measurement, spatial analysis, interpretation, identification, calculation and geographical reasoning. They also learned to interpret two-dimensional map representations and relate them to actual three-dimensional landscapes. These skills are useful not only for academic examinations and practical work but also for field surveys, geographical research, land-use studies, disaster management and other applications.

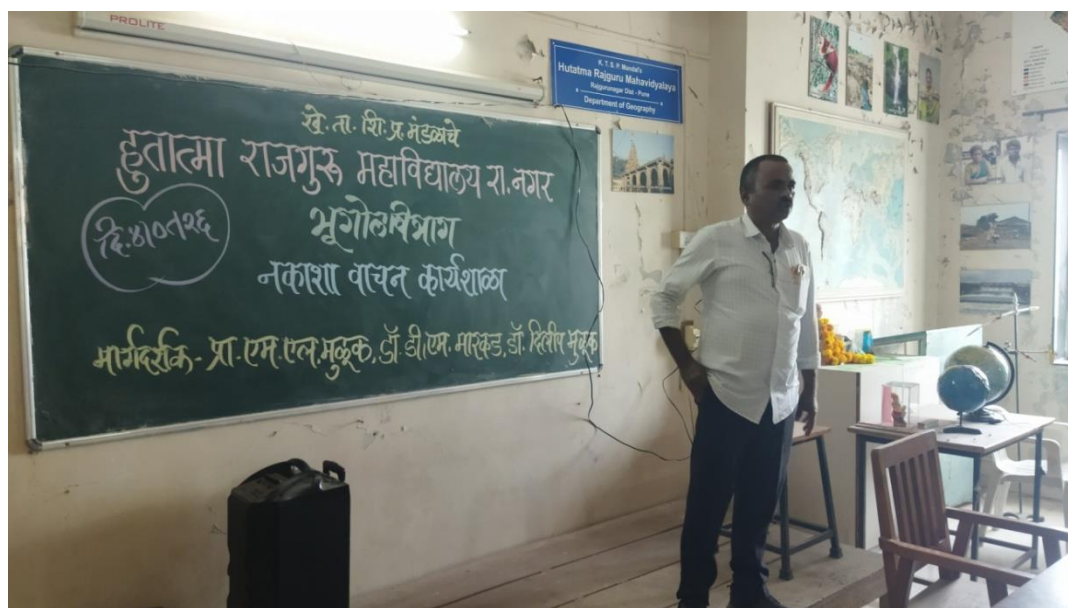
The participation of **55 Second Year students** made the workshop highly interactive. Students actively participated in demonstrations, practical exercises and discussions with the faculty members. Their questions and observations were addressed during the session, allowing them to clarify their understanding of map reading techniques. The workshop also encouraged students to develop greater interest in practical Geography and field-based geographical studies.

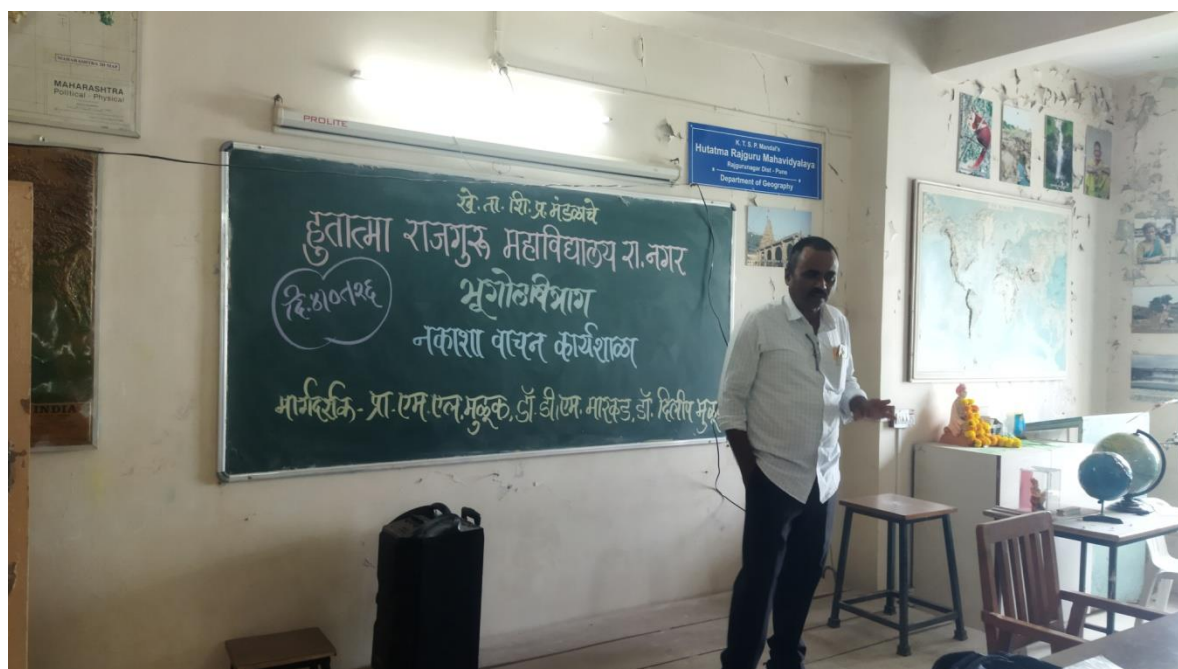
The SOI Map Reading Workshop was therefore an important **experiential learning and skill-development activity** organized by the Department of Geography. It provided students with hands-on experience in understanding and interpreting topographical maps and helped them appreciate the importance of maps as essential tools for geographical analysis. The activity also prepared students for future practical exercises, field visits and geographical research.

Overall, the **SOI Map Reading Workshop** was successfully conducted by the Department of Geography, Hutatma Rajguru Mahavidyalaya, Rajgurunagar, on **04 August 2026**. Under the guidance of **Prof.Dr. D. D. Muluk, Head of the Department**, and the coordination of **Dr. D. M. Markad and Prof. M. L. Muluk**, the workshop provided valuable practical training to **55 Second Year students**. The activity successfully enhanced students' knowledge of SOI topographical maps and developed their skills in map reading, scale, direction, grid references, contours, relief, drainage, settlements, conventional signs and geographical interpretation. The workshop thus contributed significantly to strengthening practical and application-oriented learning in Geography.


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Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune

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HUTATMA RAJGURU MAHAVIDYALAYA, RAJGURUNAGAR
DEPARTMENT OF GEOGRAPHY

Major Geography

SYBA GEOGRAPHY (2026-2027) STUDENT LIST for (Present and absent)

Date- 4/08/26

Time - 10.00 to 11.00

Name of Event - Map reading workshop

Sr. No.	Roll No.	Student Name	Gender	Mobile No.	Signature
1	1	Adhal Puja Bhagu	F	9518757840	Adhal
2		Arakh Rohini Niranjn	F		
3		Athawale Pratham Sarang	M		
4	18	Bhoir Shubham Vishnu	M	8261071579	S.V. Bhoir
5	21	Bhosale Iswari Sambhaji	F	7249191138	I. Bhosale
6	22	Bhote Puja Bhimaji	F	7666900207	Bhote
7	23	Bombale Tanushka Tanaji	F	9657479262	Bombale
8		Chaudhari Anushri Shankar	F		
9		Chimate Dattatray Nandu	M	8188152151	Chimate
10		Dhadwad Tejas Baban	M		
11	206	Dhavale Sai Baburao	M	7887298808	Dhavale
12	42	Dhaykar Rohit Ashok	M	9209841742	Dhaykar
13		Dhore Trupti Maruti	F	9511694801	Dhore
14	47	Dudhawade Sanika Balu	F	9511842119	Dudhawade
15		Gade Pratiksha Ramdas	F	9694681048	Gade
16		Gargote Apeksha Ananda	F		
17	52	Gawade Nilam Ankush	F	7083664221	N.A.G
18	53	Gawade Rupali Ranganath	F	7722051563	Rupali
19	57	Gujar Vaishali Eknath	F	932284686	Vaishali
20	61	Hande Ashwini Ananta	F	9370675980	Hande
21		Hiwale Payal Vijay	F		
22	207	Jadhav Vinayak Shriram	M	9172047311	Jadhav
23		Javanjal Monali Balasaheb	F		

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Sr. No.	Roll No.	Student Name	Gender	Mobile No.	Signature
24	208	Kad Sanskar	M	080099960	<i>[Signature]</i>
25	72	Kaduskar Ankita Santosh	F	9763756356	<i>[Signature]</i>
26	79	Kedari Aarti Balu	F	7248967079	A.B. Kedari
27	80	Kedari Samarth Dattatray	M	7999776204	<i>[Signature]</i>
28	81	Kengale Sakshi Shankar	F	8668797076	<i>[Signature]</i>
29	84	Kobal Shravani Pandharinath	F	7350452880	<i>[Signature]</i>
30	86	Korade Rohan Arun	M	9699077793	<i>[Signature]</i>
31	229	Korde Abhishek Balasaheb	M	7498660664	<i>[Signature]</i>
32		Kotwal Akshara Suresh	F	8856821103	<i>[Signature]</i>
33		Kurhade Sayali Sanjay	F		
34	91	Lamtore Aryan Buddhasandesh	M	LEEL209800	<i>[Signature]</i>
35		Langhi Madhuri Datta	F		
36	92	Lohakare Rutuja Khandu	F	932529948	<i>[Signature]</i>
37	95	Mandale Vaishnavi Pandurang	F	7350120950	<i>[Signature]</i>
38		More Sanika Manik	F		
39		Muthe Sonali Uttam	F	9767562371	<i>[Signature]</i>
40	108	Nangare Aditya Nilkantha	M	8669425844	<i>[Signature]</i>
41		Padwal Sharmila Daulat	F		
42		Pandhare Sanika Ramesh	F		
43	121	Paradhi Sneha Arun	F	8787553588	<i>[Signature]</i>
44		Pardhi Sushma Dunda	F		
45	122	Pardhi Aarti Shivaji	F	9527242117	A.S. Pardhi
46		Pashankar Sanika Shankar	F		
47		Patole Purva Sandip	F		
48		Pol Shreya Dinesh	F		
49		Rakshe Sanskruti Santosh	F	9921237787	<i>[Signature]</i>
50	140	Rakshe Siddhesh Ganesh	M	9763593112	<i>[Signature]</i>
51	141	Rakshe Vaishnavi Dattatrya	F	9623294308	<i>[Signature]</i>
52		Rale Atharva Hiranman	M		
53		Rale Pratik Hiranman	M		

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Sr. No.	Roll No.	Student Name	Gender	Mobile No.	Signature
54		Sagare Sakshi Khanderao	F		
55		Sandbhor Punam Santosh	F		
56		Sapre Samir Babaji	M		
57		Shaikh Saniya Yakub	F		
58		Shinde Kajal Mahadev	F		
59		Shinde Prachi Santosh	F		
60	169	Shinde Sandhya Raju	F	9561350997	Sandhya
61		Sondekar Samruddhi Rajendra	F	708318750	Sondekar
62		Tambe Tupti Chhaban	F	74982487808	Tambe
63		Wadekar Madhuri Dattatraya	F	9699730315	Wadekar
64		Waghamare Bhakati Narayan	F		
65		Walunj Sanika Rajendra	F	9209987443	S.R. walunj
66		Walunj Sakshi Machindra	F	8668710145	Sakshi
67		Ware Priya Raju	F	8830703120	Ware
68	199	Watekar Yash Datta Natha	M	9309489701	Yash
69	227	Pratiksha Kaute		9067103603	Kaute
70	200	Yadav Prarthana	F	9130564545	Yadav
71	220	Mote Sanika	F	8767898640	S.M. Mote
72	111	Pacharane Om Arun	M	7120852691	Om Pacharane

231 Rutija Prakash Pardeshi & 8530802826 Rutija
 230 Roshani Prakash Pardeshi 7620493694 R.P. Kaul
 229 Abhishek Balasahab
 Coordinator Head of Department