

Shri Shivaji Science College, Amravati

Department of Geology

Report of Geological Field Excursion to Lonar lake, Ankai Fort and Gargoti- Mineral Museum

Department of Geology had organized Geological Field Excursion to Lonar lake, Ankai Fort and Gargoti- Mineral Museum for B.Sc. Geology II and III-year students as a part of fulfilment of B.Sc. Geology II and III syllabus. 23 students from B.Sc. Geology II and III attended the Field Excursion and they were guided by 1 staff member Shri. S.K. Paunikar along with 1 Non-teaching staff member Mr.S.A. Salbarde for assistance and addition to that 2 external field experts Mr.K.P. Tiwari and Ms. J.R.Shrivatra were present in complete excursion timing.

Bus Journey was done for above said field Excursion and 26 seater Tempo-Traveller was booked for the journey, vehicle number MH 27 BX 3842. All the required permits were acquired before journey by owner of bus Mr. Manoj Marotkar (9921669762). All students were medically well in full journey.

Journey was Executed as follows

Date	Time	Schedule
15 March 2022	6.30 AM	Gather at College Premises
	7.30 AM	Start Journey hired bus towards Lonar Lake
	1.00PM	Arrival at Lonar Lake (Lunch before field work, Students and staff carried their own lunch)
	2.00 Pm – 5.00 PM	Field Work
	5 PM	Departure from Lonar to Devgad (We had to change the plan on time as shirdi would have taken more time)
	10.30 PM	Dinner at Shri Sai Dhaba 35 Km before Devgad
	12.15 Am	Arrival at Devgad Bhaktanivas and Night Stay

16 March 2022	6 AM	All were ready we attended Devgad Datta Temple morning 6 Am 'Aarti' and Breakfast at Bhaktanivas
	8 AM	Departure from Devgad to Ankai Fort
	1 PM	Arrival at Ankai Fort and field work
	2 Noon	Lunch at nearby available place to Ankai Fort
	3 PM	Departure from Ankai Fort to Gargoti – The mineral museum
	5 PM	Arrival at Gargoti – The mineral museum
	5 PM to 6 PM	Visit to Gargoti – The mineral museum
	9 PM	Arrival and Darshan at Shirdi Sai Baba
	10.30 PM	Lunch at Shirdi
	11.30 PM	Start Return journey to Amravati
17 March 2022	1 PM	Arrival at college premises
Journey End		



Group Photo while starting Field Excursion

Spot 1 Day 1 (15/3/2022): - Lonar Lake

After reaching at Lonar lake, I with all staff decided to take lunch first. We found travellers halt place where we took our lunch. We started our journey to centre of lake by walk approximately 2 PM and reached at point by 3 PM. Mr. K. P. Tiwari, Ms. J. R. Shrivatra and Mr. S. K. Paunikar gave explanation about the formation of lonar lake and the different structures, varied lithological conditions formed their due to meteor impact. Students collected soil and water sample. On the way up different evidences of meteor impact were studied and explained to students and rock samples were also procured by students and attendant Mr. S.A. Salbarde also assisted in sample collection. The evidences like elongated vesicles in basalt, Breccia formation, Irregular cracks in basalt, the impact structure in sediments, glassy material and opposite side dipping of rocks with respect to impact centre were observed and explained. How to handle Geological Hammer, GPS and Burton compass was explained along with how to take apparent dip was explained.



Field Work Glimpse from Lonar Lake

Spot 2 Day 2 (16/3/2022): - Ankai Fort

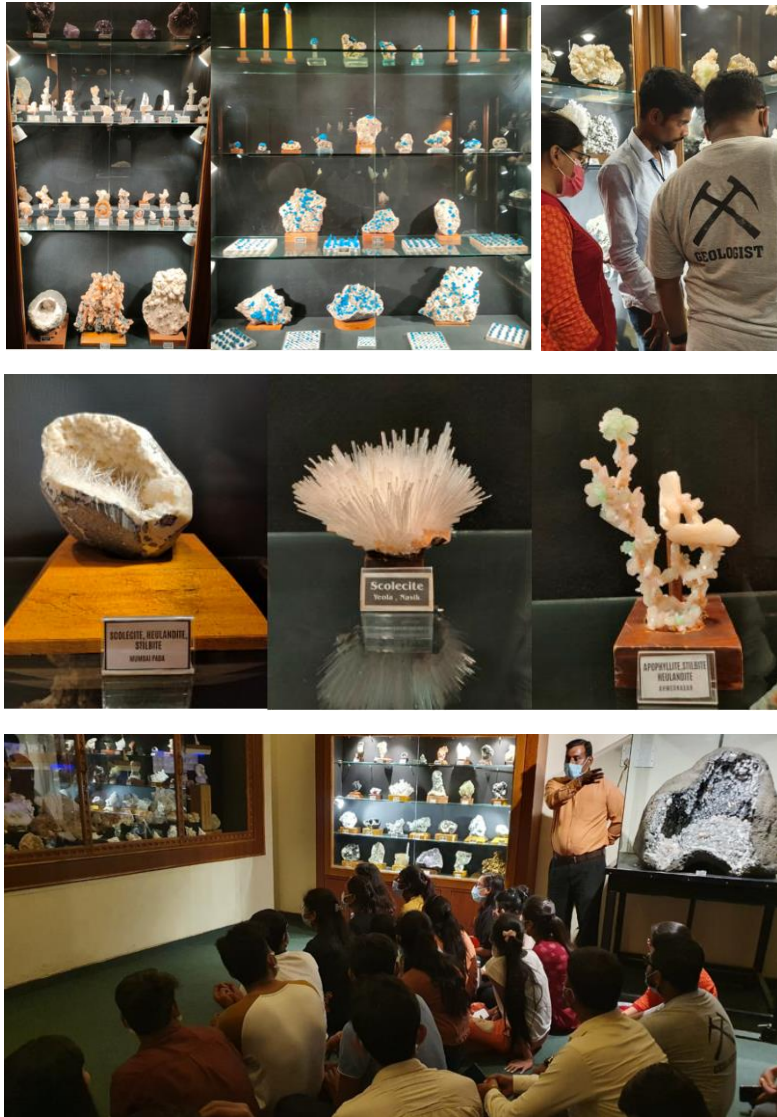
After Reaching at Ankai Fort and reduced GPS reading was taken. Journey by walk to summit of Ankai fort started approximately 1 PM and in the hike 820m was the highest elevation recorded as per GPS. We were not able to reach summit due to heat wave on the day. Staff explained to students about pahoehoe lava and observed amygdaloidal and vesicular basalt, Massive basalt, Pipe Amygdales, Secondary filling in the form of quartz and Zeolite viz. Netrolite, Geodes, Ropy Lava structure, Quartz Veins. Some excellent Netrolite samples were procured by students and attendant Mr. S.A. Salbarde also helped in sample collection along with rock sample breaking. Taking dip and strike was also explained.



Field Work Glimpse from Ankai Fort

Spot 3 Day 2 (16/3/2022): - Gargoti- The Mineral Museum

After reaching Gargoti- The Mineral Museum fees of 100 Rs. per was charged and we started the visit approximately 5 PM. It is a 2 story museum with excellent collection of minerals from which 80% are of Maharashtra and 10% from rest of India while 10% are from other country. Museum specially have excellent collection of Zeolites and to report some they also have piece of Mars and Moon. Mineral collection of Cavansite and Pentagonite were new even for staff members. Students were mesmerised by the beauty of Minerals and the viewing of Luminescent sample in dark room was a great experience.



Glimpse from Visit to Gargoti- The Mineral Museum

Date:

Place: Amravati

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