

## Practical Plan

**Name of the college:** Government College of Arts, Science & Commerce, Sanquelim

**Name of Faculty:** Shritesh Mhapsekar **Subject:** Geology

**Paper code:** GEO 323; **Introduction to Environmental Geology**

**Program:** TY BSc

**Division:**

**Academic year:** 2025 - 2026

**Semester:** VI

**Total Practicals/Labs:**  
**15**

**Credits:** 2

### **Course Objectives:**

1. Identify the geological processes that cause natural hazards. CL2
2. Discuss the impact of natural hazards on the various components of the environment. CL2
3. Explain preventive measures and techniques for the mitigation of natural, and environmental pollution. CL2

### **Course Learning Outcome:**

1. Analyze data for identification of Natural hazards and their impact on life and property. CL4
2. Recommend sustainable solutions to mitigate the impact of natural hazards. CL4
3. Demarcate geological hazards on the outline map of India. CL2
4. Prepare a geological report of a site affected by geological hazard.

CL4				
Student Learning Outcome:				
Month	Practicals/ Labs Scheduled Date	No. of Practicals/ Labs planned	List of Experiments	Reference books
December	December 2, 2025	1	Introduction	<ol style="list-style-type: none"> <li>1. Keller, E. A. (2012). Introduction to environmental geology. Pearson College Division.</li> <li>2. Montgomery, C. W. (2013). Environmental geology. McGraw-Hill Education.</li> </ol>
	December 9, 2025	3	Interpretation of Seismic maps.	
	December 16, 2025	4	Interpretation of Seismic maps.	
	December 23, 2025	5	Interpretation of natural hazards from geological maps.	
	January 6, 2026	6	Interpretation of natural hazards from geological maps.	
	January 13, 2026	7	Demarcation of geological hazards (Coastal, Earthquake and volcanic activity) on the outline map of India.	
January	January 20,	8	Demarcation of geological hazards (Coastal, Earthquake and volcanic activity) on the outline	

	2026		map of India.	
	January 27, 2026	10	Demarcation of geological hazards (Coastal, Earthquake and volcanic activity) on the outline map of India.	
February	February 3, 2026	11	Demarcation of geological hazards (Coastal, Earthquake and volcanic activity) on the outline map of India.	
	February 10, 2026	12	Plotting of stream hydrographs and flood frequency curves.	
	February 17, 2026	13	Plotting of stream hydrographs and flood frequency curves.	
	February 24, 2026	14	Plotting of stream hydrographs and flood frequency curves.	
March	March 3, 2026	15	Field Work: Visit to sites affected by geological hazards/potential sites.	
	March 10, 2026	16	Revision	
	03/04/2025	17	Practical Exam	
	March 17, 2026			