

	Practical Plan	
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Name of the college: Government College of Arts, Science & Commerce, Sanquelim				
Name of Faculty: Delia Cardozo		Subject: Geology		
Paper code: GEO204 Geotectonics and associated rocks		Program: SY BSc	Division: A	
Academic year: 2024 - 2025		Semester: IV	Total Practicals/Labs: 16	
Credits: 01				
Course Objectives: 1. Explain the engineering properties of rocks. CL2 2. Discuss methods of geological investigations for selection of sites for engineering projects. CL2 3. Describe various techniques for the improvement of sites. CL3				
Expected Course Outcome: 1. Compare engineering properties of rocks and determine its suitability for various engineering projects. CL4 2. Select the appropriate sites for engineering projects.CL5 3. Suggest remedial measures for the improvement of sites.CL4 4. Calculate of RQD and RMR. CL3				
Student Learning Outcome:				
Month	Practicals/Labs Scheduled Date	No. of Practicals planned	List of Experiments	Reference books
December	12/12/2024	1	Exercises in engineering geology with respect to tunnel alignment.	1. Bell F. G. (2007).Engineering Geology, Second Edition, Butterworth Heinemann. 2. Blyth, F. G. H., & De Freitas, M. H. (1967). Geology for engineers. 3. Kesavulu C. (2009).A textbook of Engineering Geology, Macmillan publishers. 4. Singh P. (2013).Engineering and General Geology. Katson books. 5.
	19/12/2024	1	Exercises in engineering geology with respect to tunnel alignment.	
	02/01/2025	1	Exercises in engineering geology with respect to tunnel alignment.	

January	09/01/2025	1	Exercises in engineering geology with respect to tunnel alignment.	Valdiya, K. S. (1985).Environmental Geology Indian Context, TMH.
	1/16/2025	1	Exercises in engineering geology with respect to tunnel alignment.	
	1/23/2025	1	Exercises in engineering geology with respect to tunnel alignment.	
	1/30/2025	1	Exercises in engineering geology with respect to dam locations.	
February	2/6/2025	1	Exercises in engineering geology with respect to dam locations.	
	2/13/2025	1	Exercises in engineering geology with respect to dam locations.	
	2/20/2025	1	Exercises in engineering geology with respect to dam locations.	
	2/27/2025	1	Exercises in engineering geology with respect to dam locations.	
March	3/6/2025	1	Calculation of RQD on the basis of core log.	
	3/20/2025	1		
	3/27/2025	1	Calculation of RMR based on Bieniawski, 1989 table.	
March	4/3/2025	1	Revision	
April	4/10/2025	1	Revision	

