

	Practical Plan	
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Name of the college: Government College of Arts, Science & Commerce, Sanquelim		
Name of Faculty: Shritesh Mhapsekar	Subject: Geology	
Paper code: GED 103	Program: SY BSc	Division:
Academic year: 2024 - 2025	Semester: IV	Total Practicals/Labs: 15
Credits: 2		
Course Objectives: <ol style="list-style-type: none"> 1. Explain the binary systems and their applications to magmatic textures and processes CL2 2. Discuss different mineral groups. CL2 3. Identify minerals megascopically. CL2 4. Demonstrate mineral chemical calculations. CL2 		
Course Learning Outcome: <ol style="list-style-type: none"> 1. Compare the working of various binary systems and their applications to magmatic textures and processes. CL2 2. Distinguish between different minerals/mineral groups. CL2 3. Identify minerals based on their physical properties. CL3 4. Calculate mineral formula. CL3 		
Student Learning Outcome:		

Month	Practicals/ Labs Scheduled Date	No. of Practicals/L abs planned	List of Experiments	Reference books
December	12/12/2024	1	Introduction to mining Geology	1. Arogyaswamy, R. N. P. (1973). Courses in Mining Geology. III Edition, Oxford and IBH publication Co. 2. Babu S.K. and Sinha D. K. Practical Manual of Exploration and Prospecting, CBS Publishers and Engineers. 3. McKinstry, H. E. (1948). Mining Geology, Prentice Hill Inc
January	02/01/2025	3	Preparation of lithologs from core data.	
	09/01/2025	4	Preparation of lithologs from core data.	
	16/01/2025	5	Preparation of lithologs from core data.	
	23/01/2025	6	Drawing of cross-section and longitudinal sections based on borehole data.	
	30/01/2025	7	Drawing of cross-section and longitudinal sections based on borehole data.	
February	06/02/2025	8	Drawing of cross-section and longitudinal sections based on borehole data.	
	13/02/2025	10	Estimation of reserves	
	20/02/2025	11	Estimation of reserves	
	27/02/2025	12	Preparation of mine development plan	
	06/03/2025	13	Preparation of mine development plan	
March	13/03/2025	14	Preparation of Environmental Management	

			Plan and Key Plan
	20/03/2025	15	Preparation of Environmental Management Plan and Key Plan
	27/03/2025	16	Revision
April	03/04/2025	17	Practical Exam