

			Semester Plan						
	Name of the college: Government College of Arts, Science and commerce, Sanquelim- Goa.								
	Name of Faculty: Mr. Gandesh Gaonkar				Subject: Application of Disaster Risk Reduction and Mitigation				
	Paper code: GOG-113				Program: F.Y.B. A		Division: NA		
	Academic year: 2025 - 2026				Semester: II		Total Lectures: 15		
	Course Objectives: The main objective of this paper is to orient the students to apply the fundamental knowledge of disaster risk reduction, management and mitigation from a geographical perspective. It is to develop preparedness amongst the students as the catalyst in the Society.								
	Expected Course Outcome: At the end of the successful completion of this course, students will be able to: <ol style="list-style-type: none"> 1. Understand the threats posed by natural and human-induced disasters, and the importance of disaster risk reduction and mitigation. 2. Developmental preparedness for disasters, and understand the importance of logistics, coordination, and warning signals in disaster management. 3. Analyze the impact of climate change on agriculture, water, flora, and fauna, and human health. 4. Understand the concepts of adaptation and mitigation in the context of global initiatives, with particular reference to South Asia. 5. Analyze the National Action Plan on Climate Change, and the role of local institutions such as urban local bodies and panchayats in disaster risk reduction and mitigation. 6. Apply their knowledge and skills to prepare a mini project report based on a field-based case study of a disaster, and develop a preparedness plan for their respective college or locality. Overall, the course will equip students with the knowledge and skills to 								

	understand the threats posed by disasters and climate change, and to develop effective strategies for disaster risk reduction and mitigation								
	Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books	
	December	08-12-2025	15-12-2025	02	Fundamentals of Application of Disaster Risk Reduction and Mitigation:	Observe a recent disaster example and identify one risk and one mitigation measure used.	Smart Board - Power Point Presentation	Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.	
	December-January	22-12-2025	05-01-2026	02	Understanding the Threat	In groups, discuss a recent hazard event and list the main threats to people, property, and the environment.	Smart Board - Power Point Presentation	Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.	
	January	12-01-2026	19-01-2026	02	Mental Preparedness,	In groups, discuss ways to stay calm and make smart decisions during an emergency or	Smart Board - Power Point Presentation	Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and	

						challenging situation.		Mitigation, Rawat Publications, New Delhi.	
	January-February	27-01-2026	02-02-2026	02	Logistics, Coordination		Smart Board - Power Point Presentation	Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.	
	February	09-02-2026	23-02-2026	02	Warning Signals,	Discuss different types of warning signals for hazards and how people should respond to them.	Smart Board - Power Point Presentation	Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.	
	March	02-03-2026	16-03-2026	03	Communication Disaster Mitigation in Geography	In groups, discuss how effective communication can help reduce disaster impacts and share examples of good practices.	Smart Board - Power Point Presentation	Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.	

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