

			Semester Plan						
	Name of the college: Government College of Arts, Science and commerce, Sanquelim- Goa.								
	Name of Faculty: Mr. Gandesh Gaonkar				Subject: Sustainable Development and Ecology				
	Paper code: VAC-103				Program: F.Y.B.Sc		Division: B		
	Academic year: 2026- 2027				Semester: I		Total Lectures: 30		
	Course Objectives: 1. To create awareness of environmental issues and need for sustainable development 2. To highlight current ecological issues and alternatives measures								
	Expected Course Outcome: To make students understand the various concepts under ecological issues and sustainable development. Students will be acquainted with various measures for sustainable development								
	Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books	
	July	07-07-2026	09-07-2026	02	Concept of Sustainable Development	Students will work in groups to identify environmental problems in	Smart Board - Power Point Presentation	Sanwal, Mukul: The World's Search for Sustainable Development – A Perspective from the Global South”,	

						their locality and suggest sustainable solutions for each problem.		Delhi: Cambridge University Press, 2015.	
	July	14-07-2026	16-07-2026	02	Social Ecology and Bio-regionalism	Students will prepare a bio-regional profile of their locality by documenting its physical features, natural resources, biodiversity, and major human activities.	Smart Board - Power Point Presentation	Sanwal, Mukul: The World's Search for Sustainable Development – A Perspective from the Global South”, Delhi: Cambridge University Press, 2015.	
	July	21-07-2026	23-07-2026	02	Role of Corporate Social Responsibility (CSR)	Students will identify environmental issues in their locality and propose a CSR initiative that a company could undertake to address one of these issues.	Smart Board - Power Point Presentation	Cunningham W.P., Cooper T.H., Gorani E. & Hepworth M.T. (2001): Environmental Encyclopaedia, Mumbai, Jaico.	

	July	25-07-2026	30-07-2026	03	Role of Ecofeminism in sustaining ecology	Students will participate in a group discussion on the role of women in environmental conservation	Smart Board - Power Point Presentation	Chatwal G.R. & Sharma H. (2005: A Textbook of Environmental Studies, Mumbai, Himalaya	
	August	04-08-2026	06-08-2026	02	Dimensions of the 'Common Concerns' on Environment and Human wellbeing.	Students will identify one major environmental concern in their locality and analyse its impact on human well-being.	Smart Board - Power Point Presentation	Sanwal, Mukul: The World's Search for Sustainable Development – A Perspective from the Global South", Delhi: Cambridge University Press, 2015.	
	August	11-08-2026	13-08-2026	02	Geo-Politics	Students will identify any one current geopolitical issue and analyse the role of geographical factors such as location, natural resources, or strategic importance in	Smart Board - Power Point Presentation	Pojman, Louis P.: Environmental Ethics: Readings in Theory and Application 3rd Ed, Belmont: Thomson Wadsworth, 2001.	

						influencing the issue.			
	August	18-08-2026	20-08-2026	02	Economic Sustainability: Modifying Natural Resource Use.	Students will prepare a resource-use flowchart showing how natural resources are extracted, used, and conserved through sustainable practices.	Smart Board - Power Point Presentation	Pojman, Louis P.: Environmental Ethics: Readings in Theory and Application 3 rd Ed, Belmont: Thomson Wadsworth, 2001.	
	August	25-08-2026	29-08-2026	03	Ecological Measures for Sustainable development: Controlled use of natural resources	Students will work in groups to design an eco-friendly action plan for their college campus by recommending ecological measures for the controlled use of natural resources.	Smart Board	Pojman, Louis P.: Environmental Ethics: Readings in Theory and Application 3 rd Ed, Belmont: Thomson Wadsworth, 2001.	
	September	01-09-2026	03-09-2026	02	Re-cycling of E-waste	Students will analyse a case study on e-		Frey, R. G. and Heath Wellman	

						waste management in India and identify the challenges, recycling methods, and environmental benefits of proper e-waste management.		Christopher (eds.): A Companion to Applied Ethics, Malden: Blackwell Publishing, 2005.	
	September	08-09-2026	10-09-2026	02	Eco-farming	Students will identify the major causes of soil degradation in their locality and suggest suitable eco-farming practices and soil conservation measures to improve soil health.		Jadhav H. & Bhosale V.M. (1995): Environment Protection and Laws, Mumbai, Himalaya	
	September	22-09-2026	29-09-2026	02	Save Soil Movement, Scientific Challenges of the 21st Century	Students will analyse any one United Nations Sustainable Development Goal (SDG)		Frey, R. G. and Heath Wellman Christopher (eds.): A Companion to Applied Ethics, Malden: Blackwell Publishing, 2005.	

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