



Parvatibai Chowgule College of Arts and Science  
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale)  
Best affiliated College, Goa University Silver Jubilee Year Award



### Programme Outcome (PO) and Course Outcome (CO)

Name of the Department : BACHELOR OF ARTS IN GEOGRAPHY

Programme Outcomes (PO)	Short Title of the POs	Description of the Programme Outcomes  Graduates will be able to :
PO-1	Problem Analysis and Solutions	Think critically, identify, analyze problems/ situations and further attempt to design/ develop solutions that meet the specified goals.
PO-2	Use of Technology	Apply appropriate IT tools efficiently in their daily activities of communication and academics.
PO-3	Environment and Sustainability	Analyze and attempt solutions to environmental issues and commit themselves to sustainable development in the local/ national and global context.
PO-4	Ethics	Recognize and understand professional ethics /human values and be responsible for the same.
PO-5	Individual and Team work	Function effectively at various levels, capacities and situations.
PO-6	Communication	Communicate proficiently (oral and written) as a responsible member of society.
PO-7	Research Aptitude	Understand general research methods and be able to analyse, interpret and derive rational conclusions.
PO-8	Life Skills	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of domain specific change.

### Program specific outcomes (PSO)

After successful completion of a Bachelor's Arts degree in Geography, the student will:

Program outcome(PO)	Short Title of PSOs	Description of the program outcomes
PSO 1	Basic Geographical Skills	To understand Fundamental Concepts in different domains of Geography (Physical, Human, Regional, Geospatial Technologies)
PSO2	Map Skills	To develop Cartographic and Computer skills
PSO3	Survey Skills	To acquire skills in Social and Physical field surveys.
PSO4	Communication, Writing Skills, Soft Skills	Participatory Field-based Learning through PRA Techniques (Communication, Writing Skills, Soft Skills)
PSO5	Analytical and problem solving skills	Basic Understanding of Quantitative Techniques in geography and their real-life applications

### COURSE OUTCOMES

S. N.	Course Code	Course Title	Course Outcomes
1	GEG-I.C1	Introduction to Geography	<b>CO1:</b> Holistic understanding of fundamental concepts of geography <b>CO2:</b> Analyze the interrelationships among fundamental concepts of geography <b>CO3:</b> Basic cartographical skills such as basic elements of map and map reading, area measurements, time calculation <b>CO4:</b> Provide basis for advanced cartographic techniques
2	GEG-I.C2	Fundamentals of Physical Geography	<b>CO1:</b> Familiarity with different spheres of the earth and the interrelation amongst them <b>CO2:</b> Application of techniques to represent different relief features <b>CO3:</b> Interpretation of the characteristics and association with other relief features <b>CO4:</b> Analyze, interpret and represent climate data through graphs.
3	GEG-II.C3	Basics of Human Geography	<b>CO1:</b> Holistic understanding of fundamental concepts of Human Geography <b>CO2:</b> Ability to understand and analyze human related issues in societies <b>CO3:</b> Understanding of basic quantitative techniques used in Human geography <b>CO4:</b> Ability to diagrammatically represent population data
4	GEG-II.C4	Basics of	<b>CO1:</b> Gain sense of spatial organization and areal

		Regional Geography	variation in human activities. <b>CO2:</b> Understanding of basic quantitative techniques used in regional geography. <b>CO3:</b> Ability to diagrammatically represent interpret regional data
5	GEG-III.C5	Cartography	<b>CO1:</b> Familiarity with basic cartographic concepts <b>CO2:</b> Developing cartographic skills taught in the practical component of this course. <b>CO3:</b> Familiar with map projections and their applications <b>CO4:</b> Ability to prepare maps using project systems <b>CO5:</b>
6	GEG-E2	Field Survey in Physical Geography	<b>CO1:</b> Be able to understand functions and applications of dumpy level, Plane table and Global Positioning Systems (GPS) in field based studies. <b>CO2:</b> Be able to independently handle survey instruments and prepare maps and field reports. <b>CO3:</b> Application of survey instruments in final year project work
7	GEG-E3	Participatory Rapid Appraisal Techniques	<b>CO1:</b> Be familiar with the conceptual framework of PRA techniques, model mapping, and field techniques <b>CO2:</b> Appreciate spatio-temporal perspective in geographical studies using PRA
8	GEG-E4	Application of Computer in Geography	<b>CO1:</b> Able to prepare cartograms that can be used for various geographical applications using computers <b>CO2:</b> To represent geo-data using excel
9	GEG-IV.C6	Advanced Regional Geography And Development	<b>CO1:</b> Understanding historical and contemporary perspective of regional geography <b>CO2:</b> Be able to identify positive and negative aspects of geopolitical boundaries <b>CO3:</b> Gain familiarity and be able to identify and describe key physical, cultural, social, economic, and environmental characteristics across the landscape <b>CO4:</b> Identify and explain the primary causal factors influencing a geographic variability. <b>CO5:</b> Skills to demarcate the functional region and understand their attributes
10	GEG-E5	Regional Geography of Goa	<b>CO1:</b> Have an understanding of the inter linkages and interaction between physical and socio-cultural base of Goa and ability to represent the same through diagrams
11	GEG-E6	Regional Geography of India	<b>CO1:</b> Have an understanding of the inter linkages and interaction between physical aspects and resource base of India

			<p><b>CO2:</b> Learn the skills of choosing appropriate cartographic techniques to quantitatively represent regional aspects of India</p> <p><b>CO3:</b> Infer the processes that operate through space and time in different regions of India.</p>
12	GEG-E7	Regional Geography of South Asia	<p><b>CO1:</b> Have a holistic understanding of the spatial aspects of South Asia.</p> <p><b>CO2:</b> Utilize demographic data to show human population patterns and consequences in South Asia</p> <p><b>CO3:</b> Recognize economic factors and the influences of globalization in South Asia.</p>
13	GEG-V.C7	Basics of Geomorphology	<p><b>CO1:</b> Understand basic concepts of Geomorphology.</p> <p><b>CO2:</b> Understand theories of continental drifts, Isostasy sea floor spreading, plate tectonics and slope development.</p> <p><b>CO3:</b> Analyze different types of slopes using contouring method.</p> <p><b>CO4:</b> Identify and distinguish geomorphic processes and landforms created by winds, underground water, sea waves and glaciers.</p> <p><b>CO5:</b> CO5: analyse river basin based on morphometric parameters</p> <p><b>CO6:</b> CO6: identify second order relief features on SOI topo sheet</p>
14	GEG-E9	Basics of Climatology	<p><b>CO1:</b> Understand and analyse the concepts in atmospheric circulation.</p> <p><b>CO2:</b> Distinguish different mechanisms of Indian monsoon.</p> <p><b>CO3:</b> Associate the indicators of changing climate to the day to day weather dynamics.</p> <p><b>CO4:</b> Apply climatic concepts in issues related to agriculture, health and disasters.</p> <p><b>CO5:</b> ability to represent weather phenomenon using weather station model.</p> <p><b>CO6:</b> hands on experience of handling weather instruments, calibrating, reading, interpretation and forecasting.</p>
15	GEG-E10	Basics of Oceanography	<p><b>CO1:</b> Understanding of the ocean bottom relief features of all oceans and heat budget.</p> <p><b>CO2:</b> Understand and test the physical properties of ocean water using scientific instruments.</p> <p><b>CO3:</b> Understand causes, effects and remedial measures for issues related to ocean.</p> <p><b>CO4:</b> Reading and interpretation of bathymetric and hydrographic charts</p>

			<b>CO5:</b> Prepare bathymetric chart using interpolation method.
16	GEG-E12	Geography of Urban Settlements	<p><b>CO1:</b> Understanding of various concepts of urbanization, urban systems, functions of urban places, site and situation</p> <p><b>CO2:</b> Understand certain issues of urban development. Apply urban theories and models in the present day context.</p> <p><b>CO3:</b> Apply basic tools in demographic, urban hierarchy and ranking of urban settlement</p> <p><b>CO4:</b> Using tools of urban geography, conduct mini research of town or city.</p> <p><b>CO5:</b> Demonstrate urban network using <math>\alpha</math>, <math>\beta</math>, <math>\gamma</math> index.</p> <p><b>CO6:</b> Create graphical representations of hierarchy of settlements using rank size rule and primate city concept.</p>
17	GEG-VI.C8	Fundamentals of Population Geography	<p><b>CO1:</b> Have understanding of determinants of Population growth</p> <p><b>CO2:</b> Able to understand world population patterns of distribution, and growth trends.</p> <p><b>CO3:</b> To calculate fertility, mortality, density of population.</p> <p><b>CO4:</b> Correlate population characteristics among LDC and MDC.</p> <p><b>CO5:</b> Evaluate family welfare programmes in India.</p> <p><b>CO6:</b> Calculate and graphical representation of population trends and projections in LDC &amp; MDC</p>
18	GEG-E13	Introduction to Regional Planning	<p><b>CO1:</b> Have substantial knowledge of basic concepts in regional planning from a geographer's perspectives</p> <p><b>CO2:</b> Understand the concept of Regional Planning and its variations across time and space</p> <p><b>CO3:</b> Able to correlate and differentiate the various types of regional planning and apply the same to the local settings.</p>
19	GEG-E14	Fundamentals of Economic Geography	<p><b>CO1:</b> Gain insights of the concepts and theoretical approaches in Economic Geography.</p> <p><b>CO2:</b> Understand and apply theories and models of economic geography in present day context</p>
20	GEG-E16	Quantitative Techniques in Geography (Theory & Practical)	<p><b>CO1:</b> Knowledge of drawing inferences using the geographical database</p> <p><b>CO2:</b> Understanding and appreciation of the mutual dependence of different techniques and their relevance.</p>