



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-Gra University Silver Jubilee Year Award



Programme Outcome (PO) and Course Outcome (CO)

Name of the Department : BACHELOR OF SCIENCE 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 Science 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)
PSO2	Map Skills	To develop Cartographic and Computer skills
PSO3	Analytical and problem solving skills	Ability to do Spatial analysis, identification of suitable site, locational advantages and decision making.
PSO4	Basic Geoinformatics	Correlate knowledge of GIS in the day to days life problems.
PSO5	Understanding of Geomorphology	Geomorphological knowledge and technique to solve the challenging issues of man environmental relationships.
PSO6	Understanding watershed development	Develop a process-based understanding of watersheds.
PSO7	Survey Skills Map Skills	Ability to independently handle survey instruments and prepare maps and field reports.
PSO8	GIS Skills	Skill assess coastal processes by using GIS tools and methods

COURSE OUTCOMES

Sr. No.	Course Code	Course Title	Course Outcomes
1	GEG-I.C1	Introduction to Geography	CO1: Holistic understanding of fundamental concepts of geography CO2: Analyze the interrelationships among fundamental concepts of geography CO3: Basic cartographical skills (elements of map and map reading, area measurements, time calculation.) CO4: Provide basis for advanced cartographic techniques
2	GEG-I.C2	Fundamentals of Physical Geography	CO1: Familiarity with different spheres of the earth and the interrelation amongst them CO2: Application of techniques to represent different relief features CO3: Interpretation of the characteristics and association with other relief features CO4: Analyze, interpret and represent climate data through graphs.

3	GEG-II.C3	Basics of Human Geography	<p>CO1: Holistic understanding of fundamental concepts of Human Geography</p> <p>CO2: Ability to understand and analyze human related issues in societies</p> <p>CO3: Understanding of basic quantitative techniques used in Human geography</p> <p>CO4: Ability to diagrammatically represent population data</p>
4	GEG-II.C4	Basics of Regional Geography	<p>CO1: Gain sense of spatial organization and areal variation in human activities.</p> <p>CO2: Understanding of basic quantitative techniques used in regional geography.</p> <p>CO3: Ability to diagrammatically represent interpret regional data</p>
5	GEG-III.SC5	Fundamentals of Remote Sensing and GIS	<p>CO1: Able to appreciate the basic science of remote sensing and GIS as a tool of study and research in geography</p> <p>CO2: Able interpret and analyze remotely sensed data.</p>
6	GEG-SE1	Spatial Analysis	<p>CO1: Acquire the skills of spatial analysis, identification of suitable site, locational advantages and decision making</p>
7	GEG-SE2	Raster and Vector Data Models in GIS	<p>CO1: Able to integrate raster and vector data models and also appreciate the role of these models in visualizing graphical outputs through GIS.</p>
8	GEG-SE4	Applied GIS	<p>CO1: Able to correlate knowledge of GIS in the day to day's practical problems.</p> <p>CO2: Able to undertake various local problems and suggest realistic spatial solution to them.</p>
9	GEG-IV.SC6	Fundamentals of Geomorphology	<p>CO1: Familiar with fundamentals of geomorphology and learn the techniques of application of Geomorphological knowledge and technique to solve the challenging issues of man environmental relationships.</p>
10	GEG-SE5	Coastal Geomorphology	<p>CO1: Have an understanding of the various processes and associated landforms in coastal regions</p> <p>CO2: Learn the methods of coastal hazard management</p> <p>CO3: Independently prepare geographic map and interpret coastal landscape.</p> <p>CO4: Be able to carry out beach profiling using instruments.</p>
11	GEG-SE6	Fluvial	<p>CO1: To have an understanding of the</p>

		Geomorphology	<p>fundamental concepts of river and its processes.</p> <p>CO2: Independently prepare drainage map and interpret fluvial landscape.</p> <p>CO3: Able to carry out river profiling using instruments.</p>
12	GEG-SE7	Watershed Management	<p>CO1: Have a holistic understanding of Watershed Management.</p> <p>CO2: Develop a process-based understanding of how land surface characteristics will affect fluxes of mass and energy within a watershed.</p>
13	GEG-V.SC7	Fundamentals of Climatology	<p>CO3: Able to understand and analyze climatological concepts.</p> <p>CO4: Able interpret and analyze weather and climatic phenomena.</p>
14	GEG-SE9	Geography of Soil Studies	<p>CO1: Be able to identify and differentiate between various soils profiles and types</p> <p>CO2: Develop understanding amongst students how different types of soil formations, characteristics and importance in agricultural practices</p> <p>CO3: Be able test the soil properties and quality of collected soil samples using various instruments and prepare lab reports.</p>
15	GEG-SE-11	Field Survey in Physical Geography	<p>CO1: Be able to understand functions and applications of dumpy level, Plane table and Global Positioning Systems (GPS) in field based studies.</p> <p>CO2: Be able to independently handle survey instruments and prepare maps and field reports.</p>
16	GEG-SE12	Quantitative Techniques in Geography	<p>CO1: Be able to test various statistical tools applied in earth science.</p> <p>CO2: Be able to understand various stochastic models and forecasting methods in the discipline of earth science.</p> <p>CO3: Be able to test and analyze various statistical tools applied in geography.</p> <p>CO4: Be able to formulate hypothesis and prove it applying various stochastic models and forecasting methods in the discipline of geography.</p>
17	GEG-VI.SC8	Ecology and Terrestrial Environment	<p>CO1: Have an understanding of Biomes, ecological factors and applications.</p> <p>CO2: Be familiar with sustainable strategies for conservation of terrestrial ecology.</p>

			CO3: Learn water and soil testing
18	GEG-SE13	Remote Sensing and Forest Ecology	CO1: Be able to appreciate the use of remotely sensed data in forest applications CO2: Independently prepare forest map and interpret the forest dynamics.
19	GEG-SE14	Advanced Coastal Geomorphology	CO1: Skills to develop models on coastal processes by using GIS tools and methods.
20	GEG-SE15	Ecology of Estuarine Environment	CO1: Be able to understand the estuarine processes, anthropogenic effects on estuaries. CO2: Be able to independently test and analyze various parameters associated with estuarine ecology CO3: Suggest remedial measures for the protection of the same.
21	GEG-SE16	Disaster Management: Urban and Coastal	CO1: Enable the students to understand the role of landscape in Urban and Coastal disaster management. CO2: Be able to demarcate the risk prone sites and potential disasters in local and regional landscape.