



Maratha Vidya Prasarak Samaj, Nashik

G.M.D. Arts, B.W Commerce and Science College, Sinnar,

Tal- Sinnar, Dist- Nashik-422103

Program Outcomes, Program Specific Outcomes, and Course Outcomes

Department of Geography

2021-2022

Geography is the investigation of spots and the connections among individuals and their surroundings. Geographers investigate both the actual properties of Earth's surface and the human social orders spread across it. They likewise look at how human culture cooperates with the indigenous habitat and the way those areas and puts can affect individuals. Geography looks to comprehend where things are found, why they are there, and how they create and change after some time. The investigation of the different conditions, places, and spaces of Earth's surface and their communications. It looks to address the inquiries of why things are as they are where they are. The cutting edge scholarly discipline of topography is established in old practice, worried about the qualities of spots, specifically their regular conditions and people groups, as well as the relations between the two.

| Program Outcome: B.A. (Geography) | |
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| 1. | ❖ To articulate the theories, philosophies, and concepts in the discipline of geography, including unifying themes of spatial patterns and structures, the interrelationship between people and places, and the interactions between nature and society. |
| 2. | ❖ To explain and distinguish differences among the various methodologies used in geographic research and analysis. |
| 3. | ❖ To acquire, analyze, evaluate, and interpret geographic data and/or research. |
| 4. | ❖ To communicate geographic data, theories, philosophies, and concepts in oral, written, and visual forms, with ethical engagement and respect for diversity of individuals, groups, and cultures. |
| 5. | ❖ To identify and assess how geographic concepts apply in the workplace and in everyday life to solve real-world problems. |
| Program Specific Outcome: B.A. (Geography) | |

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| 1. | ❖ Students will be able to understand the fundamental concepts of the atmosphere, oceans and the Earth surface |
| 2. | ❖ Students will be able to realise various aspects of human geography especially races, religion, cultural regions and population. |
| 3. | ❖ Students will be able to familiarize the students with the basic map making and reading with advance techniques. |
| 4 | ❖ Students will be capable make them understand various problems and overcome them through proper management, planning and sustainability. |

Course Outcomes of B.A. (Geography)

| Class | Course title & Code | Course Outcome |
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| FYBA | Physical geography. (Gg.110 A) | <ul style="list-style-type: none"> ❖ To introduce the students to the basic concepts in Physical geography. ❖ To introduce latest concept in Physical geography ❖ To acquaint the students with the utility and application of Physical geography in different regions and environment. ❖ To make the students aware about Earth system (Lithosphere, Atmosphere, Biosphere and Hydrosphere) |
| | Human geography. (Gg.110 B) | <ul style="list-style-type: none"> ❖ To introduce the students to the basic concepts in Human geography. ❖ To introduce latest concept in Human geography ❖ To acquaint the students with the utility and application of Human geography in different regions and environment. ❖ To make the students aware about Elements And Study Area of Human Geography (Population, Settlement, and Agriculture) |
| SYBA | Economic Geography- I (G2)Gg.210 (A) G2 | <ul style="list-style-type: none"> ❖ To introduce students to the basic principles and concepts of economic geography ❖ To acquaint students with the applications to economic geography for development in different areas ❖ The students should be able to integrate various factors of economic development and dynamic aspect of economic geography. |
| | Economic Geography II Gg.210 (B) | <ul style="list-style-type: none"> ❖ To acquaint students with the basic principles and concepts of economic geography ❖ To acquaint the students with the applications to |

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| SYBA | G2 | <p>economic geography for development in different areas.</p> <ul style="list-style-type: none"> ❖ The main aims are to integrate the various factors of economic development and to acquaint the students with this dynamic aspect of economic geography. |
| | Geography of Maharashtra, Gg.220 (A) S1 | <ul style="list-style-type: none"> ❖ To acquaint students with Geography of our State. ❖ To make students aware of the magnitude of problems and prospects in Maharashtra. ❖ To help students understand the inter relationship between the subject and the society. ❖ To help students understand the recent trends in regional studies |
| | Geography of Maharashtra, Gg.220 (B) S1 | <ul style="list-style-type: none"> ❖ To make students aware about the Agriculture problems and prospects of Maharashtra. ❖ To understand the population distribution and settlement pattern in Maharashtra. ❖ To understand the concept of rural development. ❖ To understand the prospectus in Tourism activity in Maharashtra and the role of MTDC and Role of MIDC in industrial development in rural area of Maharashtra |
| | Scale and Map Projection, Gg. 201 (A) S2 | <ul style="list-style-type: none"> ❖ To introduce the basic concepts in Practical Geography ❖ To enable students to use various Scales and Projection Techniques in Geography. ❖ To acquaint students with the utility of various Projections in Geographical knowledge. ❖ To explain the elementary and essential principles of practical work in Geography. ❖ To develop practical skill and use of map scale and projection. ❖ To make students aware of the new techniques, accuracy and skills of map making |
| | Cartographic Techniques, Surveying and Excursion / Village / Project Report Gg. 201 (B) S2 | <ul style="list-style-type: none"> ❖ To introduce the students to the basic and contemporary concepts in Cartography. ❖ To acquaint the students with the utility and applications of various Cartographic Techniques. ❖ To introduce the latest concepts regarding the modern cartography in the field of Geography. ❖ To explain the elementary and essential principles of practical work in Geography. ❖ To develop practical knowledge and application of cartographical techniques. ❖ To make students aware of the new techniques, accuracy and skills of Map Making. |

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| | Introduction to Geographic Information System SEC – A Semester - III | <ul style="list-style-type: none"> ❖ To introduce the students about the basic concepts of GIS. ❖ 2. To acquaint the students with the utility and applications of GIS Technique. ❖ To create the awareness about Geospatial technology among the students. ❖ To inculcate skill of map making among the students by using GIS Technique. |
| | Introduction to Remote Sensing SEC – B Semester -IV | <ul style="list-style-type: none"> ❖ To introduce the students about the basic concepts of Remote Sensing. ❖ To acquaint the students with the utility of RS and its applications. ❖ To inculcate the skill of satellite image interpretation among the students. |
| TYBA | Geography of Tourism- I CC1E Gg. 310 G3 | <ul style="list-style-type: none"> ❖ To understand the history of Tourism ❖ To introduce the students to the basic concepts in Tourism Geography. ❖ To understand the types of Tourism ❖ To gain knowledge different aspects of Tourism Geography. To comprehend the contemporary issues facing the global community. |
| | Geography of Tourism- II CC1F | <ul style="list-style-type: none"> ❖ To understand the history of Tourism ❖ To introduce the students to the basic concepts in Tourism Geography. ❖ To understand the types of Tourism ❖ To gain knowledge different aspects of Tourism Geography. |
| | Geography of India -I DSE 1 C Gg-320 (S-3) | <ul style="list-style-type: none"> ❖ To acquaint the students with geography of our Nation. ❖ To make the student aware of the magnitude of problems and Prospects at National level. ❖ To help the students to understand the inter relationship between the subject and the society. ❖ To help the students to understand the recent trends in regional studied |
| | Geography of India -II DSE1 D | <ul style="list-style-type: none"> ❖ To acquaint the students with geography of our Nation. ❖ To make the student aware of the magnitude of problems and Prospects at National level. ❖ To help the students to understand the inter relationship between the subject and the society. ❖ To help the students to understand the recent trends in regional studied |
| | Practical Geography- I (Techniques of Spatial Analysis) | <ul style="list-style-type: none"> ❖ To introduce the basic concepts and techniques of Geographical Analysis. ❖ To introduce the students with SOI Toposheets and acquire the Knowledge of Toposheet interpretation. ❖ To introduce the students with Weather Maps and |

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| | DSE- 2 C Gg. 301 (S-4) | <p>acquire the Knowledge of its interpretation.</p> <ul style="list-style-type: none"> ❖ To introduce the students with Aerial Photographs and Satellite Images and acquire knowledge to interpret it . ❖ To acquaint students with the spatial and structural characteristics of Practical Geography. ❖ To explain the elementary and essential principles on field of practical work. |
| | Practical Geography- II (Techniques of Spatial Analysis, Surveying and Excursion /Village/ Project Report) DSE- 2 D | <ul style="list-style-type: none"> ❖ To introduce the basic concepts and techniques of Geographical Analysis. ❖ To introduce the students with SOI Toposheets and acquire the Knowledge of Toposheet interpretation. ❖ To introduce the students with Weather Maps and acquire the Knowledge of its interpretation. ❖ To introduce the students with Aerial Photographs and Satellite Images and acquire knowledge to interpret it. ❖ To acquaint students with the spatial and structural characteristics of Practical Geography. ❖ To explain the elementary and essential principles on field of practical work. |
| | Research Methodology – I SEC 2 C | <ul style="list-style-type: none"> ❖ To develop the understanding of the basic concept of research ❖ To develop the understanding of the basic framework of sampling and data collection ❖ To develop the understanding of various sampling methods and techniques |
| | Research Methodology – II SEC 2 C | <ul style="list-style-type: none"> ❖ To identify various sources of information for data collection. ❖ To Understanding of the conducting survey on various issues and develop the Report writing skill of students |

Program Outcome: M.A./M.Sc. (Geography)

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| 1. | ❖ Demonstrate an advanced understanding of and ability to differentiate among the various methodologies used in geographic research. |
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| 2. | ❖ Acquire, analyse, evaluate, interpret and analyse geographic data and/or research. |
| 3. | ❖ Communicate mastery of geographic data, theories, philosophies, and concepts in oral, written, and visual forms, with ethical engagement and respect for diversity of individuals, groups, and cultures. |
| 4 | ❖ Identify and assess how geographic concepts apply in the workplace and in everyday life to solve real-world problems. |
| 5 | ❖ Compare and contrast the theories, philosophies, and concepts in the discipline of geography, including unifying themes of spatial patterns and structures, the interrelationship between people and places, and the interactions between nature and society. |

Program Specific Outcome: M.A./M.Sc. (Geography)

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| 1. | ❖ To provide a broad common framework, for exchange, mobility and free dialogue across the Indian Geography and associated community. |
| 2. | ❖ To create and aptitude for Geography in those students who show a promise for higher studies and creative work in Geography. |
| 3. | ❖ To enhance the quality and standards of Geography Education. |
| 4 | ❖ To take care of fast development in the knowledge of Geography. |
| 5 | ❖ To create confidence in others, for equipping themselves with that part of Geography which is needed for various branches of Sciences or Humanities in which they have aptitude for higher studies and original work |

Program Course : M.A./M.Sc. (Geography)

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| | GGUT-111:Principles of Geomorphology | ❖ Understand the effect of rotation of revolution the Earth. ❖ Understand interior structure of the earth. ❖ Understand Theory regarding of Origin of Continents and oceans. ❖ Understand the work of internal and external forces and their associated Landforms. |
| | GGUT-112:Principles of Climatology | ❖ Understand the importance of Atmosphere. ❖ Understand heat balance. ❖ Understand the types of winds. ❖ Understand the structure, composition of Atmosphere.. |


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| MA/MSc. I Sem. Ist | | <ul style="list-style-type: none"> ❖ Understand weather phenomena winds, humidity and precipitation. |
| | GGUT-113 :Principles of Economic Geography | <ul style="list-style-type: none"> ❖ Students Understand about the Nature and Scope, approaches of Economic Geography and recent trends of economic geography. ❖ Understand the fundamental theories in economic geography. ❖ Understand about the basic Economic Processes- Production, Exchange, Consumption and its applications. ❖ Review, understand and apply the modes of economics development by various models. ❖ Understand the economies scale, transportation, communication, nature, and role of international trade in economic development of India. |
| | GGDT-114 :Principles of Population and Settlements Geography | <ul style="list-style-type: none"> ❖ The present paper shall enhance the knowledge of students about the historical development, patterns, types and functional systems of rural settlements. ❖ The basic ideas about the rural settlements, historical development during ancient, medieval and modern times, morphology of rural settlements, functions and rural settlement planning in India. ❖ To understand the fundamental Concepts Related to Population such as density, over, Optimum & under population, fertility, mortality and population for future Perspectives. |
| | GGUP-115:Practical in Physical and Human Geography | <ul style="list-style-type: none"> ❖ Data implement through the various method like, Morphometric Analysis- Hypsometric curve, Altimetric curve, histogram, Climograph, Slope Analysis, Wentworths Method. ❖ Topographical Information: - Relative Relief, Absolute Relief, Block Diagram, Cross Profile etc. ❖ Graphs and Diagrams |
| MA/MSc. I Sem. IInd | GGUT- 121:Geoinformatics- I | <ul style="list-style-type: none"> ❖ To understand the basic concepts of Geographical Information System and GPS. ❖ To know various components of GIS and to learn about map projection and coordinate system. 3. To know various applications of GIS and GPS in various fields. ❖ Students will become familiar with modern techniques of geography. ❖ Students will be prepared to apply their skills in professional careers. |
| | GGUT-123: Synoptic Climatology | <ul style="list-style-type: none"> ❖ To represent meteorological elements diagrammatically and interpretation of results. ❖ To analyse interrelationship between various |

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| | | <p>meteorological elements.</p> <ul style="list-style-type: none"> ❖ To analyse present and future trends of meteorological elements. ❖ To identify various sources of climate data. |
| | GGUT-127: Monsoon Climatology | <ul style="list-style-type: none"> ❖ To recognize the importance of climate on human life. ❖ To identify and categorize climate types and climatic regions of the world. ❖ To understand the regional and seasonal variations of weather systems in India. ❖ To get comprehensive knowledge about causes and impacts of atmospheric pollution, ozone layer depletion, acid rain and el-nino; |
| | GGDT-130: Geography of Tourism | <ul style="list-style-type: none"> ❖ To understand the concepts and components in tourism geography. ❖ To get comprehensive knowledge of different types of infrastructure and tourism. ❖ To know about pattern & tourism in the world and impact of globalization. ❖ To understand different elements of marketing in tourism. |
| | GGDP-133: Practical in Map Projections | <ul style="list-style-type: none"> ❖ Acquire knowledge and clear concepts of the different types of map projection. ❖ Acquire knowledge of applicability of different projections. ❖ Gain knowledge in theoretical concept, plotting of, Mercator's Projection, Mollweide's Projection, and Simple Conical Projection with two Standard Parallels, Sinusoidal Projection and UTM Projection. |
| | GGUP-134:Practical of Statistical Techniques for Geography | <ul style="list-style-type: none"> ❖ To understand the importance and use of statistical techniques in geography. ❖ To form frequency distributions tables and graphically interpret the results. ❖ To measure central tendency and dispersion of data. 4. To examine relationship between two or more variables with correlation and regression analysis. ❖ To apply comprehensive knowledge of statistics for analysis of geographical data. |
| | GGUT-235 Geoinformatics II | <ul style="list-style-type: none"> ❖ To apply photogrammetry & Remote Sensing techniques to generate geospatial data. ❖ To understand digital data analysis techniques of remote sensing data. ❖ To know about different types of digital image processing techniques. ❖ To apply Comprehensive knowledge of GIS software and GPS for analysis of geographical data and to solve |

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| MA/MSc.IInd Semester IIIrd | | <p>real world problems.</p> <ul style="list-style-type: none"> ❖ To understand the use and importance of satellite images and aerial photographs. ❖ To apply the knowledge of remote sensing and DIP in various thematic studies and problem solving. |
| | GGUT-236 Geographical Thoughts | <ul style="list-style-type: none"> ❖ Understand the historical development of geographical thought according to Greek, Roman, Indian, German, French, British and American school. ❖ Understand the dualisms in geography such as determinism and possibilism, systematic Vs regional and physical Vs human geography. ❖ Understand recent trends, scientific methods, quantitative revolution and computer application in geography. ❖ Understand the definition, need, and signification of applied geography. |
| | GGUT-238 Applied Climatology | <ul style="list-style-type: none"> ❖ To get complete information about Atmospheric Disturbances in terms of cyclones and anti-cyclones. ❖ To identify and categorize climate types and climatic regions of the world. ❖ To understand the regional and seasonal variations of weather systems in India. ❖ To assess future risks of climate change and the adaptation and mitigation options. ❖ To know about the history, recent trends, impacts and dynamics of climate change on earth. |
| | GGDP-241 Practical in Geoinformatics | <ul style="list-style-type: none"> ❖ To learn the representation of geographic data using various computational methods. ❖ To compute statistical parameters with the help of computer. ❖ To prepare and design maps and graphs with the help of computer software. ❖ To apply computational techniques relevant in the discipline of Geography. |
| | GGUT-243 Watershed Management | <ul style="list-style-type: none"> ❖ To understand Necessity of watershed management. ❖ To understand the Problems in watershed management. ❖ To understand the Characteristics of watersheds: Size, Shape, Physiography, Climate, Drainage, and Land use, Vegetation, Geology and Soils, Hydrology etc. ❖ Application of Remote Sensing and GIS in watershed management. |

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| | | <ul style="list-style-type: none"> ❖ Importance of watershed management in national development. |
| | GGUP-246 Practical in Climatology | <ul style="list-style-type: none"> ❖ Study and Analysis of IDWR Study of IDWR and analysis of Temperature, Air Pressure, etc. for various stations. ❖ Computation of water balance in different rainfall zones and irrigation scheduling. ❖ To understand and implement Climate Architecture Analysis |
| MA.MSc.II Semester IV | GGUT-249 Geography of India | <ul style="list-style-type: none"> ❖ Understand the about the physiographic division of India. ❖ . Understand the India Drainage system of India Rivers. ❖ Understand the climatic variation in India and climatic region of India. ❖ Understand the variation in industrial development in India. ❖ Examine and understand the developed and underdeveloped states in India. |
| | GGUT-250 Oceanography | <ul style="list-style-type: none"> ❖ Understand the meaning, nature and scope, modern trends in Oceanography. ❖ Understand the ocean floor and relief of the ocean bottom. ❖ Understand the tides, tide generating forces, types of tides and tidal effects in coastal areas. ❖ Get knowledge about distribution of lithogenous, biogenous, and hydrogenous sediments on ocean floor. ❖ Understand the characteristics and properties of factors affecting on formation of sea waves. |
| | GGUT -251 Research Methodology | <ul style="list-style-type: none"> ❖ Examining the introduction of research, motivation in research, types of research, significance of research, research process and criteria of good research. ❖ To understand the research problems, selecting research problems, literature review and to study the hypothesis, its types, sources, formation of hypothesis and utility of hypothesis in scientific research. ❖ To understand the research design, need, features basic principal and developing of research plan, and sampling design and its basic types, steps, characteristics of sampling design. |

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| | | <ul style="list-style-type: none"> ❖ Study about type's data and methods of data collection and study the processing and analysis of data using different statistical methods. |
| | GGUT-252: Geography of Soil | <ul style="list-style-type: none"> ❖ To understand the concepts and principles of soil formation. ❖ To study the role of essential nutrient for plant growth and development. ❖ To enable the students to realize the Soil and environmental problems. ❖ To know the significance of soil conservation and methods of Soil reclamation. |
| | GGDP-257 Interpretation of Topographical Maps and GPS Survey | <ul style="list-style-type: none"> ❖ To understand the Indexing systems and conventional signs and symbols of S.O.I. toposheets. ❖ Interpretation of S.O.I toposheets. ❖ To understand the field surveying methods ❖ Knowledge on the definition of GIS; various components of GIS; structure of GIS; data input; verification, storage and output in GIS and application of GIS as a tool |
| | GGUT-258 Geography of World | <ul style="list-style-type: none"> ❖ To understand Origin and Evolution of the Earth-Big-bang theory ❖ To understand the Regional geography of World. ❖ To understand 21st century challenges and opportunities in the world. |
| | GGUP-259 Dissertations | <ul style="list-style-type: none"> ❖ Recognize the objectives and significance of research work. ❖ Formulate research design and methods. ❖ Organize and carry out field visits, collect field data and/or conduct review of literature. ❖ Effective writing, maintaining research ethics and academic integrity. ❖ Preparation and dissemination of research output having scientific and/or social relevance. |


HEAD
DEPARTMENT OF GEOGRAPHY
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 And Science College, Sinnar