



Maratha Vidya Prasarak Samaj's  
**Karmaveer Shantarambapu Kondaji Wavare**  
**Arts, Science and Commerce College, CIDCO, Nashik**  
**Uttamnagar, Nashik- 422 008 (Maharashtra)**

Affiliated to Savitribai Phule Pune University Id. No. PU/NS/ASC/047/1993  
AISHE C-42086 NAAC Re-accredited 'A' Grade (III Cycle 2017-22, CGPA 3.20)  
Best College Award of Savitribai Phule Pune University Pune in 2009-10 and 2021-22

Programme  
Outcomes (PO's)

Internal Quality Assurance Cell

Programme  
Specific Outcomes  
(PSO's)

Course Outcomes  
(CO's)

**Syllabus: 2013 Pattern**





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Principal

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**Prof. (Dr) S. K. Kushare**  
 M.Sc., Ph. D.

**Programme Outcome (PO's), Programme Specific Outcome (PSO's), Course Outcome (CO's)**

**Department: Geography**

**Syllabus: 2013 Pattern**

Sr.No.	Name of the Programme	Year of introduction of Programme	Duration of introduction of Programme
2	MA/MSc Geography	2008-2009	2 Years

**Programme Specific Outcome (MA/MSc Geography)**

Sr. No.	Programme Specific Outcome (MA/MSc Geography)
PSO 1	Master students of geography will be introduced to the Geomorphological settings of the earth, Atmosphere and Climate of the earth, Theories economic and population geography.
PSO 2	Students will be able to draw the drainage network of river, cross profile, wind rose, climatograph etc. Apart from the representation and interpretation of the geographical data this course also offers a field visit and students are required to submit the reports of the field visit.
PSO 3	Both Theory and practical course of GIS and Remote Sensing is offered to the students. A student applies the GIS and Remote Sensing skills and constructs the map to represent the physical and cultural features on the earth surface.
PSO 4	Distribution of population and resources, various concepts and indices of population studies and rural-urban settlements are taught to the students in the population geography course.
PSO 5	Master students of geography are introduced to the statistical techniques which are required to solve the challenges in the geographical data computations and analysis.
PSO 6	Students learn the distribution of the soil types, soil fertility, soil degradation and soil conservation techniques in the soil geography course.
PSO 7	The course, Geographical Thoughts describes development of the geography subject over the years and promotes the group discussion and research work for the development of the geography subject.
PSO 8	Village surveys are the part of curriculum, students visit the villages and collects the data by using questionnaire and after the analysis submits the survey reports to the department. This course gives surveying demonstrations to the students.
PSO 9	Dissertation is offers to the Master students in which they complete the small research work within four months in their last semester. This course provide healthy atmosphere for the research work in the department and students find this work helpful in their PhD or other career goals.


**Course Specific Outcome (MA/MSc Geography)**

Class	Subject code	Title	Cos: After successful completion of this course, student will be able to
MA I SEM I	Gg.-101	Principles of Geomorphology	CO 1: Students will be introduced the geomorphological landforms and processes on the earth surface.
			CO 2: Students will able to distinguish between the denudation processes on the earth.
			CO 3: Students will list the erosional and depositional landforms created by different agents like wind, water, sea waves and ground water.
	Gg.-102	Principles of Climatology	CO 1: Student will understand the climatic phenomena.
			CO 2: Student will identify that how climatic phenomena affect on human society & occupation.
			CO 3: Students will categories the Problem related to climate.
	Gg.-103	Principles of Economic Geography	CO 1: Students will aware about knowledge of natural resources
			CO 2: Students are introduced to the sustainable development to enrich their knowledge.
			CO 3: Students will get to know about need of new green revolution in India.
			CO 4: Students will be able to analysis economical problems and prospects.
	Gg.-104	Principles of Population and Settlement Geography	CO 1: Students will apply census data to estimate the composition of the population.
			CO 2: Student will apply census data to estimate population structure and characteristics.
CO 3: Student will identify population growth and trend in India.			
	Gg.-105	Practical in Physical Geography	CO 1: Students are introduced about stream orders in Drainage network.
			CO 2: Students will able to classify climate of atmosphere
			CO 3: Students will examine and will be able to calculate demographic parameters such as fertility rate, infant mortality rate etc.
	Gg: 106	Practicals in Human Geography	CO 1: Students are introduced about Crop Combination methods.
			CO 2: Students will able to Measure the Network Structure.
			CO 3: Students will examine and will be able to calculate demographic parameters such as fertility rate, infant mortality rate etc.
MA II SEM II	Gg.-201	Quantitative Techniques in Geography	CO 1: Students will understand the various statistical technique which is used in geography
			CO 2: Students will analyses statistical data.
			CO 3: Students will make some conclusion for various problems with the help quantitative analysis.
	Gg.-213	Population Geography	CO 1: Students will be able to classify the different population growth theories postulated by various geographers.
			CO 2: Students will figure out the applications of the

Class	Subject code	Title	Cos: After successful completion of this course, student will be able to
			population theories in different parts of the world.
			CO 3: Students will define and calculate the population characteristics such as fertility rate, mortality, population density etc.
	Gg.-223	Geography of Rural Settlements	CO 1: Students will understand village structure & Morphology.
			CO 2: Students will analyse the rural problem.
			CO 3: Students will learn and apply techniques & skills for rural development.
	Gg-202	Practical in Cartography	CO 1: Students will list the different types of projection are used to map the land surfaces around the world.
			CO 2: Student will be able to write the location extent of any country with the help of maps.
			CO 3: Students will learn and create the different projection used to draw the continents on the global maps.
	Gg-203	Practical in Surveying and Field visit	CO 1: Students will list the different types surveying.
			CO 2: Student will be able to do the surveying & plotting.
			CO 3: Student will be able to do surveying & plotting on the field visits.
	Gg-204	Geography of Tourism	CO 1: Students will list the different types tourism.
			CO 2: Students will know the infrastructure and support system for tourism.
			CO 3: Students will understand the Impacts of tourism.
	Gg-205	Geography of Disaster Management	CO 1: Students will understand concepts and definitions in Disaster Management.
			CO 2: Students will able to classify types of disasters.
			CO 3: Students will learn the Disaster cycle Preparedness & Mitigation.
	Gg-208	Geoinformatics-I	CO 1: Students will be able to define the Geoinformatics and application of GIS in geography.
			CO 2: Students will make a list of different types of database and data models used in geoinformatics.
			CO 3: Students will learn the application of GIS data and types of GIS data analysis.
	Gg-209	Geoinformatics-II	CO 1: Students will be introduced to the remote sensing techniques use to acquire the earth data.
			CO 2: Students will list the different institute's launches satellites to take the earth information.
			CO 3: Students will cover the theoretical parts of the GIS and Remote sensing techniques in this course and will learn practical more effectively.
MA II SEM III	Gg-301	Geography of India with special Reference to Maharashtra	CO 1: Students of Geography will be introduced with geological structure
			CO 2: Students will able to classify Distribution and utilization of minerals and energy resources.
			CO 3: Students will get to know about major project of India like Hydro electrical power, Thermal power, and Atomic power.
	Gg-313	Urban	CO 1: Students will understand urban structure &


Class	Subject code	Title	Cos: After successful completion of this course, student will be able to
		Geography	Morphology.
			CO 2:Students will be able to figure out the problems in the urban settlements.
			CO 3:Students will do some project or draw some structure to learn the urban planning and development.
	Gg-322	Geography of Soils	CO 1:Students will learn the soil formation processes and the types of soil in India.
			CO 2:Students will classify the soil according to its capability.
			CO 3: Students will learn the soil pollution and can draw the soil conservation measures.
	Gg-333	Practical in Population and Settlement Geography	CO 1: Students will classify in impact of pull and push factor in migration.
			CO 2:Students will analyses data of population
			CO 3:Students will examine rural urban composition of population
SEM IV	Gg-302	Interpretation of Topographical Maps & Village Survey / Project work	CO 1: To introduce the basic concepts and techniques of Practical Geography.
			CO 2: To introduce SOI toposheets to the students and obtain the knowledge of toposheet interpretation.
			CO 3: To make students understand the elementary and essential principles on field of practical work.
	Gg-305	Practical in Watershed analysis	CO 1:Students will identify and delineate watershed using DEM & toposheets.
			CO 2: Student will analyze and evaluate the linear, aerial & relief properties of watershed.
			CO 3: Students will design maps using satellite images & aerial photographs.
	Gg-306	Geoinformatics-III	CO 1:Students will be introduced to the remote sensing techniques use to acquire the earth data.
			CO 2:Students will list the different institute's launches satellites to take the earth information.
			CO 3: Students will cover the theoretical parts of the GIS and Remote sensing techniques in this course and will learn practical more effectively.
Gg-307	Practical in Geoinformatics	CO 1: Students will learn the basics of Aerial Photography and Satellite Images.	
		CO 2: Student will analyze the Spatial Database	
		CO 3: Students will able to do the Image Processing GIS.	
SEM IV	Gg-401	Theoretical and Applied Geography	CO 1:Students will write the description of evolution of geography subject.
			CO 2:Students will promote toward the different approaches to study the geography.
			CO 3:This course will estimate the applications of geographical knowledge in various fields.
	Gg-402	Principles of Remote	CO 1:Students will be introduced to the remote sensing techniques use to acquire the earth data.

Class	Subject code	Title	Cos: After successful completion of this course, student will be able to
		Sensing and GIS	CO 2: Students will list the different institute's launches satellites to take the earth information. CO 3: Students will cover the theoretical parts of the GIS and Remote sensing techniques in this course and will learn practical more effectively.
	Gg-403	Practical in Remote Sensing and GIS	CO 1: Students will learn the Concept, Measurements Interpretation of aerial photographs. CO 2: Students will able to do the interpretation of Aerial Photographs. CO 3: Students will able to do the interpretation of images.
	Gg-424	Natural and Manmade Hazards	CO 1: Students will learn the concepts in natural hazard and disasters & risk assessment. CO 2: Students will able to list the Man-made Hazards. CO 3: Students will able write the Disaster Management and Measures.
	Gg-440	Dissertation	CO 1: Students will be introduced to the research in the geography. CO 2: Students will be motivated to select any geographically interested topics for research and will create a research thesis. CO 3: Through this course the students will be able to do the surveys, data collection, analysis of different database and research work.
	Gg-404	Geography of Food Security of India	CO 1: Students will learn the concepts in Food Security. CO 2: Students will able to classify food crops. CO 3: Students will able understand the India's Food Security
	Gg-405	Geography of Health	CO 1: Students will learn the concepts in Geography of health. CO 2: Students will able to classify the diseases. CO 3: Students will able understand the health care systems in India
	Gg-406	Practical in Global positioning	CO 1: Students will able to denote GPS locations. CO 2: Students will able to the GPS survey. CO 3: Students will able to the surveying by using total station.

  
HoD, Geography

  
IQAC Coordinator



  
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**Course Outcomes  
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**Syllabus: 2019 Pattern**





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**Programme Specific Outcome (M.A./M.Sc. Geography)**

Sr. No.	Programme Specific Outcome (MA Geography)
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<b>PSO 2</b>	Students will be able to draw the drainage. network of river, cross profile, wind rose, climatograph etc. Apart from the representation and interpretation of the geographical data this course also offers a field visit and students are required to submit the reports of the field visit.
<b>PSO 3</b>	Both Theory and practical course of GIS and Remote Sensing is offered to the students. A student applies the GIS and Remote Sensing skills and constructs the map to represent the physical and cultural features on the earth surface.
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<b>PSO 8</b>	Village surveys are the part of curriculum, students visit the villages and collects the data by using questionnaire and after the analysis submits the survey reports to the department. This course gives surveying demonstrations to the students.
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### Course Specific Outcome (MA/MSc Geography)

Class	Subject code	Title	Cos: After successful completion of this course, student will be able to
MA I SEM I	GGUT-111	Principles of Geomorphology	CO 1: Students will be introduced the geomorphological landforms and processes on the earth surface.
			CO 2: Students will able to distinguish between the denudation processes on the earth.
			CO 3: Students will list the erosional and depositional landforms created by different agents like wind, water, sea waves and ground water.
	GGUT-112	Principles of Climatology	CO 1: Student will understand the climatic phenomena.
			CO 2: Student will identify that how climatic phenomena affect on human society & occupation.
			CO 3: Students will categories the Problem related to climate.
	GGUT-113	Principles of Economic Geography	CO 1: Students will aware about knowledge of natural resources
			CO 2: Students are introduced to the sustainable development to enrich their knowledge.
			CO 3: Students will get to know about need of new green revolution in India.
			CO 4: Students will be able to analysis economical problems and prospects.
	GGDT-114	Principles of Population and Settlement Geography	CO 1: Students will apply census data to estimate the composition of the population.
			CO 2: Student will apply census data to estimate population structure and characteristics.
CO 3: Student will identify population growth and trend in India.			
GGUP-115	Practical in Physical and Human Geography	CO 1: Students are introduced about stream orders in Drainage network.	
		CO 2: Students will able to classify climate of atmosphere	
		CO 3: Students will examine and will be able to calculate demographic parameters such as fertility rate, infant mortality rate etc.	
MA II SEM II	GGUT-121	Geoinformatics – I	CO 1: Students will be able to define the Geoinformatics and application of GIS in geography.
			CO 2: Students will make a list of different types of database and data models used in geoinformatics.
			CO 3: Students will learn the application of GIS data and types of GIS data analysis.
	GGUT-125	Population Geography	CO 1: Students will be able to classify the different population growth theories postulated by various geographers.
			CO 2: Students will figure out the applications of the population theories in different parts of the world.

Class	Subject code	Title	Cos: After successful completion of this course, student will be able to
			CO 3: Students will define and calculate the population characteristics such as fertility rate, mortality, population density etc.
	GGUT-129	Geography of Rural Settlements	CO 1: Students will understand village structure & Morphology. CO 2: Students will analyse the rural problem. CO 3: Students will learn and apply techniques & skills for rural development.
	GGDT-130	Geography of Tourism	CO 1: Student will learn the functioning of the Tourism Industries. CO 2: Students will understand types of tourism and will know the career opportunities in Tourism Industries. CO 3: Students will study the tourism in India and other case studies for the development of tourism.
	GGDP-133	Practical in Map Projections	CO 1: Students will list the different types of projection are used to map the land surfaces around the world. CO 2: Student will be able to write the location extent of any country with the help of maps. CO 3: Students will learn and create the different projection used to draw the continents on the global maps.
	GGUP-134	Practical of Statistical Techniques for Geography	CO 1: Students will understand the various statistical technique which is used in geography CO 2: Students will analyses statistical data. CO 3: Students will make a some conclusion for various problems with the help quantitative analysis.
MA I SEM III	GGUT-235	Geoinformatics-II	CO 1: Students will be introduced to the remote sensing techniques use to acquire the earth data. CO 2: Students will list the different institute's launches satellites to take the earth information. CO 3: Students will cover the theoretical parts of the GIS and Remote sensing techniques in this course and will learn practical more effectively.
	GGUT-236	Geographical Thoughts	CO 1: Students will write the description of evolution of geography subject.
			CO 2: Students will promote toward the different approaches to study the geography. CO 3: This course will estimate the applications of geographical knowledge in various fields.
	GGUT-236	Urban Geography	CO 1: Students will understand urban structure & Morphology. CO 2: Students will be able to figure out the problems in the urban settlements. CO 3: Students will do some project or draw some structure to learn the urban planning and development.

	GGDT-237	Practical in Geoinformatics	CO 1:Students will interpret satellite images and recognized land use & land cover. CO 2:Students will apply GIS software for analyze raster & vector data. CO 3:Students will evaluate GIS database. CO 4:Students will acquaint the methods & tools of GIS.	
	GGDT-239	Watershed Management	CO 1:Students will examine geoenvironmental assessment of watershed management. CO 2:Student will invent plan of watershed management. CO 3:Student will identify watershed problems. CO 4:Student will categorize watershed type's management policy.	
	GGUP-244	Practical in Population and Settlement Geography	CO 1:Students will classify in impact of pull and push factor in migration. CO 2:Students will analyses data of population CO 3:Students will examine rural urban composition of population	
	MA II SEM IV	GGUT-241	Geography of India	CO 1:Students of Geography will be introduced with geological structure
				CO 2:Students will able to classify Distribution and utilization of minerals and energy resources. CO 3:Students will get to know about major project of India like Hydro electrical power, Thermal power, and Atomic power.
		GGUT-242	Oceanography	CO 1:Students will be able to draw the structure of the oceans. CO 2:Students will be able to describe the ocean currents, tides, shores of the ocean etc. CO 3:Student will learn about the pollution in the oceans and possible solutions on this problem.
		GGUT-252	Geography of Soils	CO 1:Students will learn the soil formation processes and the types of soil in India. CO 2:Students will classify the soil according to its capability. CO 3:Students will learn the soil pollution and can draw the soil conservation measures.
		GGDP-256	Practical in Watershed Analysis	CO 1:Students will identify and delineate watershed using DEM & toposheets. CO 2: Student will analyze and evaluate the linear, aerial & relief properties of watershed. CO 3: Students will design maps using satellite images & aerial photographs.
		GGUT-258	Geography of World	CO 1: Students will learn the theories behind the formation of the earth.

			CO 2:Students will define the different continents present on the earth surface and its physical properties.
			CO 3: Students will be introduced with the emerging challenges and opportunities in the 21 <sup>th</sup> century.
	GGUP-259	Dissertation/ Research Project	CO 1:Students will be introduced to the research in the geography.
			CO 2:Students will be motivated to select any geographically interested topics for research and will create a research thesis.
			CO 3: Through this course the students will be able to do the surveys, data collection, analysis of different database and research work.




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