Academic Year	2021-22

B.P.H.E. Society's
Ahmednagar College, Ahmednagar
Internal Quality Assurance Cell
CO, PO, and PSO Attainment Sheet

Department Name	Geography

Program Name	M.A./ M.Sc

Program Outcomes(PO)

PO1	Will get knowledge of geographical terms,concepts, and theories and will be able to explain and find out the relation between geographi
PO2	Able to develop and prepare various thematic maps and map reading skills.
PO3	Will be able to understand and apply to collect geographical data through qualitative and quantitative techniques and will be able to anal
PO4	Will be able to communicate the results of the research in written form and oral communication
PO5	Will be able to understand and relate how their life is related to different geographical factors such as environmental, economic, social, a
PO6	Will learn and think in spatial dimensions and will be able to find out the temporal change which took place over the period of time. S/h
PO7	Will be able to understand different concepts of sustainability, sustainable development goals, and how a man can use the physical envir
PO8	Will acquire skills in interpretation of thematic maps through visual and/or digital interpretation of topographic maps, weather maps, aer
PO9	Will be able to apply knowledge of remote sensing concepts, and techniques in various fields of earth and environment sciences
PO10	Will be able to present the completed research through cartographic tools and other visual formats, with an explanation of research meth
PO11	She/he will be able to develop a research design including hypotheses, and research questions and also will be able to do a critical analy
PO12	Will be able to understand the geographical distribution of the global human population and factors affecting human populations includi

Program Specific Outcome(PSO)

PSO1	Understand the nature and basic concept of Geomorphology, Climatology, Economic Geography, Population Geography, Settlement Ge
PSO2	Students will have acquired necessary communication skills to teach Geography in Colleges.
PSO3	Students will have acquired necessary skills for working in research institutes.

Academic Year :	**2021-22**

Class	M.A/M.Sc-I
Subject Code	GGUT-111
Subject Name	Principles of Geomorphology
Semester No	I
Teacher Name	Mr. Ajay V. Kakade
Course Outcomes	
CO1	To introduce the students to the basic concepts in Geomorphology.
CO2	To introduce latest concepts in Geomorphology
CO3	To acquaint the students with the utility and application of Geomorphology in different regions and environment.
CO4	To make the students aware of the need of protection and conservation of different landforms.
CO5	

Course Outcomes	Program Outcomes												PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
CO5															
Average	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00	3.00	2.75	2.75

Class	M.A/M.Sc-I
Subject Code	GGUT-112
Subject Name	Principles of Climatology
Semester No	I
Teacher Name	Mr.Ajay V. Kakade
Course Outcomes	
CO1	To introduce the students to the basic principles and concepts in Climatology
CO2	To acquaint the students with the applications of Climatology

Course Outcomes	Program Outcomes												PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	2	3	3	2	3	2	3	3	3	3	3
CO2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2
CO3	3	3	2	3	3	3	3	3	3	2	3	3	3	2	3
CO4															
CO5															
Average	3.00	3.00	2.67	3.00	2.67	3.00	3.00	2.33	3.00	2.33	3.00	3.00	3.00	2.67	2.67

	CO3	To make the students aware of the Planet Earth and thereby to enrich the student's knowledge
	CO4	
	CO5	

Class	M.A/M.Sc-I	Course Outcomes	Program Outcomes										PSOs		
Subject Code	GGUT-113		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Principles of Economic Geography	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	2	3
Semester No	I	CO2	3	3	2	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Dadasaheb Jaware	CO3	3	3	3	3	3	2	3	2	3	2	3	3	2	3	3
Course Outcomes		CO4	3	3	3	2	3	3	2	2	3	3	3	3	3	3	3
	CO1	To introduce the students to the basic principles and concepts in Economic Geography	CO5														
	CO2	To acquaint the students with the applications of Economic	Average	3.00	3.00	2.75	2.50	2.50	2.75	2.75	2.00	3.00	2.50	3.00	3.00	2.75	2.75	2.75
	CO3	The main aim is to integrate the various factors of economic development and to															
	CO4	acquaint the students about this dynamic aspect of economic geography															
	CO5																

Class	M.A/M.Sc-I	Course Outcomes	Program Outcomes										PSOs		
Subject Code	GGUT-114		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Principles of Population and Settlement Geography	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	I	CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. M.L. Karale	CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes		CO4															
	CO1	To provide an understanding of spatial and structural dimensions of population	CO5														

	CO2	To familiarizing the students with global and regional level problems	Average	2.67	3.00	3.00	2.67	2.33	3.00	3.00	2.33	3.00	2.33	3.00	3.00	3.00	2.67	2.67
	CO3	To acquaint the students with the spatial, political and structural characteristics of human settlement under varied environmental conditions																
	CO4																	
	CO5																	

Class	M.A/M.Sc-I	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-115		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Physical and Human Geography	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	I	CO2															
Teacher Name		CO3															
Course Outcomes		CO4															
CO1	I. Practical knowledge about the theoretical concept	CO5															
CO2		Average	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00
CO3																	
CO4																	
CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-121		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geoinformatics-I	CO1	3	3	3	2	2	3	3	2	3	2	2	3	3	3	3
Semester No	II	CO2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
Teacher Name	Mr. Ajay V. Kakade	CO3															
Course Outcomes		CO4															
CO1	The course of “Geoinformatics” is an introductory course in the field of Geographical Information Systems. Upon successful completion of the course the students should be able to: understand and use the basic elements of GIS technology, and to design and implement simple GIS projects.	CO5															

	CO2	The aim of the course is the acquisition of the fundamentals of Remote Sensing theory as well as the basic steps of satellite images processing. And interpretation of different earth observation systems.	Average	3.00	3.00	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	2.50	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-122		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Coastal Geomorphology	CO1	2	3	3	2	2	3	3	3	3	2	3	3	3	3	3
Semester No	II	CO2	3	2	3	3	2	3	2	2	3	3	3	3	3	3	2
Teacher Name	Mr. Ajay V. Kakade	CO3															
Course Outcomes		CO4															
	CO1	ntroduction to coastal processes which configure the coastal zone and coastal landforms as well as to coastal management issues.	CO5														
	CO2	To understanding of coastal processes, that act along the coastline as well as the coastal landforms which are the main result of these processes	Average	2.50	2.50	3.00	2.50	2.00	3.00	2.50	2.50	3.00	2.50	3.00	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-125		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Population Geography	CO1	3	3	3	2	3	3	3	2	2	2	3	3	3	3	3
Semester No	II	CO2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2
Teacher Name	Mrs. Rajani Pund	CO3															
Course Outcomes		CO4															

	CO1	This course aims to introduce students to the basic concepts of population analysis. Students are initiated to demographic analysis and get accustomed to calculating and interpreting the basic demographic rates	CO5														
	CO2	The basic goal of this course is to provide the basic knowledge and skills necessary to a demographic analysis and the initiation to the interactions between population and economy and population-society.	Average	2.50	3.00	2.50	2.50	3.00	3.00	3.00	2.50	2.50	2.50	3.00	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-126		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Fluvial Geomorphology	CO1	2	2	3	2	3	3	3	2	3	2	3	3	3	3	3
Semester No	II	CO2	2	3	3	3	2	3	3	3	3	3	3	3	3	3	2
Teacher Name	Mr. Dadasahed Jawre	CO3															
Course Outcomes		CO4															
	CO1	introduction to Fluvial processes and Fluvial landforms as well as to Flood management issues.	CO5														
	CO2	To understanding of Fluvial processes, that act along the River Bank as well as the Fluvial l landforms which are the main result of these processes	Average	2.00	2.50	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	3.00	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-129		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geography of Rural Settlement	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	II	CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2

Teacher Name	Mrs. Rajani Pund		CO3													
Course Outcomes			CO4													
	CO1	This course provides basic knowledge on the spatial and socioeconomic impact of productive activities on rural areas, with special reference to Greece.	CO5													
	CO2	II. The course analyses the socioeconomic phenomena which are developed in rural areas, while it focuses on the significance and the role of agricultural economy in the countryside.	Average	3.00	3.00	3.00	2.50	2.00	3.00	3.00	2.00	3.00	2.50	3.00	3.00	3.00	3.00	2.50
	CO3															
	CO4															
	CO5															

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-129		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geography of Tourism	CO1	2	3	2	2	3	3	2	2	2	2	3	3	3	3	3
Semester No	II	CO2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	2
Teacher Name	Mr. Dadasaheb Jawre	CO3	3	3	2	2	2	3	3	3	2	3	2	2	3	2	2
Course Outcomes		CO4	3	2	2	3	2	3	2	2	2	3	2	3	3	2	2
	CO1	To acquaint the student's basic concepts of Geography & Tourism.	CO5														
	CO2	To aware the students with the utility and application of Tourism	Average	2.50	2.50	2.25	2.50	2.25	3.00	2.50	2.50	2.25	2.75	2.50	2.75	3.00	2.50	2.25
	CO3	To help the students & society to understand the interrelationship between tourism and employment generation opportunities.															
	CO4	To understand the impact of tourism on Physical and Human Environments															
	CO5																

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-130		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Surveying and Field visit	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3

Semester No		II	CO2													
Teacher Name		Mr. Ajay V. Kakade	CO3													
Course Outcomes			CO4													
	CO1	To acquaint the students with the principles of surveying, its importance and utility in the geographical study	CO5													
	CO2		Average	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00
	CO3															
	CO4															
	CO5															

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code		GGUP-134		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name		Practical in Surveying and Field visit	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No		II	CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name		Dr. Maya Unde	CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes			CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
	CO1	To identify the appropriate probability model that can be used.	CO5	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
	CO2	To use forecasting and data analysis techniques in case of univariate and multivariate data sets	Average	2.80	2.80	3.00	2.80	2.60	3.00	3.00	2.40	3.00	2.60	3.00	3.00	3.00	2.60	2.60
	CO3	To test the hypotheses particularly about mean, variance, correlation, proportions and goodness of fit																
	CO4	To study applications of statistics in the field of demography																

	CO5	The aim of this course is to initiate students in the basic statistical concepts and customize them with their application, essential to the modern geographer. So as to persuade students of the practical relevance of the subject, realistic examples and exercises drawn from different areas of geography have been chosen. The goal is to provide students with necessary theoretical knowledge and practical skills to proceed with a statistical analysis.

Academic Year :	2021-22

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-235		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geoinformatics - II	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III	CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Ajay V. Kakade	CO3															
Course Outcomes		CO4															
CO1	To acquaint the students with new concepts and approaches in Geography.	CO5															
CO2	To familiarize the students with the wide application fields in Geography	Average	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50	2.50	3.00	3.00
CO3																	
CO4																	
CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-235		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geographical Thoughts	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III	CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Dadasaheb jawre	CO3															
Course Outcomes		CO4															
CO1	To introduce the importance and history of geographical thought.	CO5															
CO2	To introduce the importance and application of applied geography	Average	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50	2.50	3.00	3.00
CO3																	

	CO4	
	CO5	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes											PSOs		
Subject Code	GGUP-237		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Tropical Geomorphology	CO1	3	3	3	3	3	2	3	2	3	2	3	2	2	3	3
Semester No	III	CO2															
Teacher Name	Mr. Dadasaheb jawre	CO3															
Course Outcomes		CO4															
CO1	The students pursuing this course would have to develop in depth understanding of various aspects of the Tropical geomorphology	CO5															
CO2		Average	3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
CO3																	
CO4																	
CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes											PSOs		
Subject Code	GGUP-240		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Urban Geography	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III	CO2															
Teacher Name	Mrs. Rajani Pund	CO3															
Course Outcomes		CO4															
CO1	To Introduce the importance and needs of urban planning.	CO5															
CO2		Average	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
CO3																	
CO4																	
CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-242		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Hydrology	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III	CO2															
Teacher Name	Dr. Maya Unde	CO3															
Course Outcomes		CO4															
CO1	Understand hydrological characteristics.	CO5															
CO2		Average	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
CO3																	
CO4																	
CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-241		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Geoinformatics	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III	CO2															
Teacher Name	Mr. Ajay V. Kakade	CO3															
Course Outcomes		CO4															
CO1	Hands on various GIS Softwares.	CO5															
CO2		Average	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
CO3																	
CO4																	
CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-245		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Geomorphology	CO1	3	3	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III	CO2															
Teacher Name	Mr. Ajay V. Kakade	CO3															
Course Outcomes		CO4															
CO1	To acquaint the students practical knowledge about the theoretical concept.	CO5															

	CO2		Average	3.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes											PSOs		
Subject Code	GGUP-248		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Population and Settlement Geography	CO1	3	2	3	3	3	3	3	3	3	2	3	2	2	3	3
Semester No	III	CO2															
Teacher Name	Mrs. Rajani Pund	CO3															
Course Outcomes		CO4															
CO1	To acquaint the students practical knowledge about the theoretical concept.	CO5															
CO2		Average	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
CO3																	
CO4																	
CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes											PSOs		
Subject Code	GGUT-P-249		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geography of India	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	IV	CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Dadasaheb jawre	CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes		CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
CO1	To acquaint the students with geography of our Nation and Maharashtra State	CO5															
CO2	To make the student aware of the magnitude of problems and Prospects at National level and state level	Average	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00	3.00	2.75	2.75
CO3	To help the students to understand the inter relationship between the subject and the society.																

	CO4	To help the students to understand the recent trends in regional studies
	CO5	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes											PSOs		
Subject Code	GGUT-250		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Oceanography	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	IV	CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Ajay V. Kakade	CO3	2	3	2	3	3	3	2	2	3	3	3	3	2	2	3
Course Outcomes		CO4															
	CO1	To introduce the students to the basic principles and concepts in Oceanography	CO5														
	CO2	To acquaint the students with the applications of Oceanography in different areas and environment.	Average	2.67	2.67	2.67	2.33	2.67	2.33	2.33	2.67	3.00	2.67	2.33	2.67	2.33	2.67	3.00
	CO3	To make the students aware of the Planet Earth and thereby to enrich the student's knowledge.															
	CO4																
	CO5																

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes											PSOs		
Subject Code	GGUT-251		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Research Methodology	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	IV	CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Ajay V. Kakade	CO3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Course Outcomes		CO4															
	CO1	Students should understand a general definition of research design	CO5														
	CO2	Students should be able to identify the overall process of designing a research study from its inception to its report	Average	3.00	2.67	3.00	2.33	2.67	2.33	2.67	3.00	3.00	2.67	2.33	2.67	2.67	3.00	3.00

	CO3	Students should know the primary characteristics of quantitative research and qualitative research. Students should be able to identify a research problem stated in a study.
	CO4	
	CO5	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes										PSOs		
Subject Code	GGUT-255		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Regional Planning	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	IV	CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Ajay V. Kakade	CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes		CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
	CO1	Students will be able to understand the definition and concept of regional geography study about the principles and importance, types and levels of Regional planning.	CO5	3	3	3	3	2	2	2	3	3	2	3	3	2	2	2
	CO2	They will understand the concept and types of Region as well as measurement of regional development.	Average	2.80	2.80	3.00	2.80	2.40	2.80	2.80	2.40	3.00	2.40	3.00	3.00	2.80	2.60	2.60
	CO3	Ability to prepare surveys of regional planning based on Regional, Techno-economic and Diagnostic level surveys															
	CO4	IV. They can understand Regional disparities and policies in India.															
	CO5	Students will be able to understand regional approach for the study regionalization and planning.															

Class	M.A./M.Sc.	Course	Program Outcomes	PSOs

Subject Code	GGUP-256	Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Interpretation of Topographical maps and Village Survey	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	IV	CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Ajay V. Kakade	CO3															
Course Outcomes		CO4															
CO1	Students will be able to understand the definition and concept of regional geography study about the principles and importance, types and levels of Regional planning.	CO5															
CO2	They will understand the concept and types of Region as well as measurement of regional development.	Average	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50	2.50	3.00	3.00
CO3																	
CO4																	
CO5																	

CO-PO Mapping

			Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
		1	GGUT-111	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00
		2	GGUT-112	3.00	3.00	2.67	3.00	2.67	3.00	3.00	2.33	3.00	2.33	3.00	3.00
		3	GGUT-113	3.00	3.00	2.75	2.50	2.50	2.75	2.75	2.00	3.00	2.50	3.00	3.00
		4	GGUT-114	2.67	3.00	3.00	2.67	2.33	3.00	3.00	2.33	3.00	2.33	3.00	3.00
		5	GGUP-115	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00
		6	GGUT-121	3.00	3.00	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	2.50	3.00
		7	GGUT-122	2.50	2.50	3.00	2.50	2.00	3.00	2.50	2.50	3.00	2.50	3.00	3.00
		8	GGUT-125	2.50	3.00	2.50	2.50	3.00	3.00	3.00	2.50	2.50	2.50	3.00	3.00
		9	GGUT-126	2.00	2.50	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	3.00	3.00
		10	GGUT-129	3.00	3.00	3.00	2.50	2.00	3.00	3.00	2.00	3.00	2.50	3.00	3.00
		11	GGUT-129	2.50	2.50	2.25	2.50	2.25	3.00	2.50	2.50	2.25	2.75	2.50	2.75
		12	GGUP-130	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00
FY	FY	13	GGUP-134	2.80	2.80	3.00	2.80	2.60	3.00	3.00	2.40	3.00	2.60	3.00	3.00
		1	GGUP-235	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50
		2	GGUP-235	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50
		3	GGUP-237	3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00
		4	GGUP-240	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		5	GGUP-242	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		6	GGUP-241	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		7	GGUP-245	3.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		8	GGUP-248	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00
		9	GGUT-P-249	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00
		10	GGUT-250	2.67	2.67	2.67	2.33	2.67	2.33	2.33	2.67	3.00	2.67	2.33	2.67
		11	GGUT-251	3.00	2.67	3.00	2.33	2.67	2.33	2.67	3.00	3.00	2.67	2.33	2.67
SY		12	GGUT-255	2.80	2.80	3.00	2.80	2.40	2.80	2.80	2.40	3.00	2.40	3.00	3.00
	SY	13	GGUP-256	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50

CO-PO ATTAINMENT

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2.31	2.31	2.52	2.31	2.1	2.52	2.52	1.89	2.52	2.1	2.52	2.52
2.04	2.04	1.813333	2.04	1.813333	2.04	2.04	1.586667	2.04	1.586667	2.04	2.04
2.04	2.04	1.87	1.7	1.7	1.87	1.87	1.36	2.04	1.7	2.04	2.04
2.666667	3	3	2.666666667	2.333333	3	3	2.333333	3	2.333333	3	3
3	3	3	2	2	3	3	2	3	2	3	3
2.52	2.52	2.52	2.1	2.1	2.52	2.52	2.1	2.52	2.1	2.1	2.52
2.1	2.1	2.52	2.1	1.68	2.52	2.1	2.1	2.52	2.1	2.52	2.52
1.833333	2.2	1.833333	1.833333333	2.2	2.2	2.2	1.833333	1.833333	1.833333	2.2	2.2
2	2.5	3	2.5	2.5	3	3	2.5	3	2.5	3	3
2.2	2.2	2.2	1.833333333	1.466667	2.2	2.2	1.466667	2.2	1.833333	2.2	2.2
1.7	1.7	1.53	1.7	1.53	2.04	1.7	1.7	1.53	1.87	1.7	1.87
2.04	2.04	2.04	1.36	1.36	2.04	2.04	1.36	2.04	1.36	2.04	2.04
2.352	2.352	2.52	2.352	2.184	2.52	2.52	2.016	2.52	2.184	2.52	2.52
2.36	1.966667	2.36	1.573333333	1.966667	1.573333	1.966667	2.36	2.36	1.966667	1.573333	1.966667
3	2.5	3	2	2.5	2	2.5	3	3	2.5	2	2.5
3	3	3	3	3	2	3	2	3	2	3	2
3	2	3	2	3	2	3	3	3	2	3	2
3	2	3	2	3	2	3	3	3	2	3	2
3	2	3	2	3	2	3	3	3	2	3	2
3	3	3	2	3	2	3	3	3	2	3	2
3	2	3	3	3	3	3	3	3	2	3	2
2.75	2.75	3	2.75	2.5	3	3	2.25	3	2.5	3	3
2.666667	2.666667	2.666667	2.333333333	2.666667	2.333333	2.333333	2.666667	3	2.666667	2.333333	2.666667
3	2.666667	3	2.333333333	2.666667	2.333333	2.666667	3	3	2.666667	2.333333	2.666667
2.8	2.8	3	2.8	2.4	2.8	2.8	2.4	3	2.4	3	3
3	2.5	3	2	2.5	2	2.5	3	3	2.5	2	2.5

Percentage CO-PO ATTAINMENT

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
84	84	84	84	84	84	84	84	84	84	84	84
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
84	84	84	84	84	84	84	84	84	84	84	84
84	84	84	84	84	84	84	84	84	84	84	84
73.33333	73.33333	73.33333333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333
100	100	100	100	100	100	100	100	100	100	100	100
73.33333	73.33333	73.33333333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
84	84	84	84	84	84	84	84	84	84	84	84
78.66667	78.66667	78.66666667	78.66667	78.66667	78.66667	78.66667	78.66667	78.66667	78.66667	78.66667	78.66667
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100

CO-PSO MAPPING

		Course	PSO1	PSO2	PSO3
	1	GGUT-111	3.00	2.75	2.75
	2	GGUT-112	3.00	2.67	2.67
	3	GGUT-113	2.75	2.75	2.75
	4	GGUT-114	3.00	2.67	2.67
	5	GGUP-115	3.00	3.00	3.00
	6	GGUT-121	3.00	3.00	2.50
	7	GGUT-122	3.00	3.00	2.50
	8	GGUT-125	3.00	3.00	2.50
	9	GGUT-126	3.00	3.00	2.50
	10	GGUT-129	3.00	3.00	2.50
	11	GGUT-129	3.00	2.50	2.25
	12	GGUP-130	3.00	3.00	3.00
FY	13	GGUP-134	3.00	2.60	2.60
	1	GGUP-235	2.50	3.00	3.00
	2	GGUP-235	2.50	3.00	3.00
	3	GGUP-237	2.00	3.00	3.00
	4	GGUP-240	2.00	3.00	3.00
	5	GGUP-242	2.00	3.00	3.00
	6	GGUP-241	2.00	3.00	3.00
	7	GGUP-245	2.00	3.00	3.00
	8	GGUP-248	2.00	3.00	3.00
	9	GGUT-P-24	3.00	2.75	2.75
	10	GGUT-250	2.33	2.67	3.00
	11	GGUT-251	2.67	3.00	3.00
	12	GGUT-255	2.80	2.60	2.60
SY	13	GGUP-256	2.50	3.00	3.00

CO-PSO ATTAINMENT

Course	PSO1	PSO2	PSO3
GGUT-111	2.52	2.31	2.31
GGUT-112	2.04	1.813333	1.813333
GGUT-113	1.87	1.87	1.87
GGUT-114	3	2.666667	2.666667
GGUP-115	3	3	3
GGUT-121	2.52	2.52	2.1
GGUT-122	2.52	2.52	2.1
GGUT-125	2.2	2.2	1.833333
GGUT-126	3	3	2.5
GGUT-129	2.2	2.2	1.833333
GGUT-129	2.04	1.7	1.53
GGUP-130	2.04	2.04	2.04
GGUP-134	2.52	2.184	2.184
GGUP-235	1.966667	2.36	2.36
GGUP-235	2.5	3	3
GGUP-237	2	3	3
GGUP-240	2	3	3
GGUP-242	2	3	3
GGUP-241	2	3	3
GGUP-245	2	3	3
GGUP-248	2	3	3
GGUT-P-249	3	2.75	2.75
GGUT-250	2.333333	2.666667	3
GGUT-251	2.666667	3	3
GGUT-255	2.8	2.6	2.6
GGUP-256	2.5	3	3

Percentage CO-PSO ATTAINMENT

Course	PSO1	PSO2	PSO3
GGUT-111	84	84	84
GGUT-112	68	68	68
GGUT-113	68	68	68
GGUT-114	100	100	100
GGUP-115	100	100	100
GGUT-121	84	84	84
GGUT-122	84	84	84
GGUT-125	73.33333	73.33333	73.33333
GGUT-126	100	100	100
GGUT-129	73.33333	73.33333	73.33333
GGUT-129	68	68	68
GGUP-130	68	68	68
GGUP-134	84	84	84
GGUP-235	78.66667	78.66667	78.66667
GGUP-235	100	100	100
GGUP-237	100	100	100
GGUP-240	100	100	100
GGUP-242	100	100	100
GGUP-241	100	100	100
GGUP-245	100	100	100
GGUP-248	100	100	100
GGUT-P-24	100	100	100
GGUT-250	100	100	100
GGUT-251	100	100	100
GGUT-255	100	100	100
GGUP-256	100	100	100