



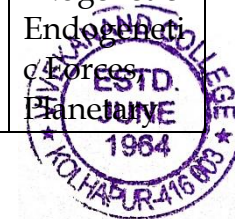
“Education for Knowledge, Science and Culture.”
– Shikshanmaharshi Dr. Bapuji Salunkhe



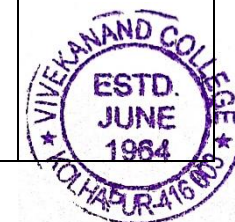
Shri Swami Vivekanand Shikshan Sanstha’s
VIVEKANAND COLLEGE, KOLHAPUR
(Empowered Autonomous)
Department of Geography

Content with Cross-cutting Issues

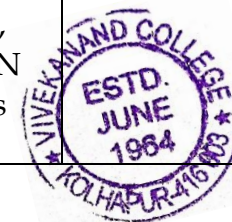
Sr. No.	Name of the Course	Course Code	Year of Introduction	Professional Ethics	Gender	Human Values	Environment and Sustainability	Sustainable Development Goals	NEP - 2020 (true righteous conduct (dharma) (shanti), love nonviolence scientific temper, values, life-skills; seva/service and participation in community service education)
BA Geography (Newly Introduced between 2018-19 to 2020-21)									
1	Physical Geography	DSC-1022A	2018-19	Analyse the Geo-environmental Issues around the world.			<ul style="list-style-type: none"> Approaches to the basic concepts of Physical Geography Spatial distribution 	<ul style="list-style-type: none"> Use and Over Utilization of Surface and Ground Water Water Conservation 	Increase Scientific Temper Origin of Universe, Earth, Exogenetic-Endogenetic Forces, Planets



							<p>on of World water Resources</p> <ul style="list-style-type: none"> • Use and Over Utilization of Surface and Ground Water 	<p>tion, Rain Water Harvesting, Water shade Management</p>	<p>Winds, Hydrological Cycle, Diastrophism Continental and Mountain Building</p>
2	Human Geography	DSC-1022B	2018-19			<ul style="list-style-type: none"> • Importance of Human Settlements • Evolution of Man • The Bases of Racial Classification • Factors affecting Rural Settlements • Functions of Rural 	<ul style="list-style-type: none"> • Evolution of Man - Stages & Processes of Human Evolution • Human Geography & its relation with Science Social Science 	<ul style="list-style-type: none"> • Growth of Population in the Worl • Concept of Fertility & Mortality • Urbanization 	<p>Community Participation: Bases of Racial Classification, Major Racial Groups</p>



						Settlements			
3	Science, Technology & Development	(GEC) -I	2018-19	<ul style="list-style-type: none"> Eminent Scientists in the development of S&T 		<ul style="list-style-type: none"> Human Health 	<ul style="list-style-type: none"> Importance of Power resources 	<ul style="list-style-type: none"> Human Blood, AIDS a Challenge before world facts 	
4	Science, Technology & Development	(GEC) -II	2018-19	<ul style="list-style-type: none"> Means of Communication Science technology in Space, Defense & Ocean Research 		Science Technology in Space Research <ul style="list-style-type: none"> Satellites Recent Technology, Use of GIS & GPS 	<ul style="list-style-type: none"> Disaster Management Earthquake, Flood, Fire, Accident, Crowd etc. 	<ul style="list-style-type: none"> Science Technology in Space Research Satellites Recent Technology, Use of GIS & GPS Science Technology in Defense & Ocean Research DRDO, OCEAN Studies etc. 	Satellites Recent Technology



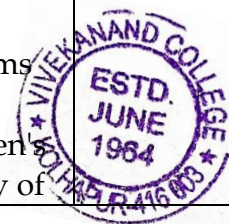
5	Soil Geography	DSC-1022C1	2019-20			<ul style="list-style-type: none"> • Genetic Classification of Soils • Soil Management: Need & Method 	<ul style="list-style-type: none"> • Process of Soil Formation: Physical, Biotic and Chemical • Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature. • Chemical Properties of Soils: PH, Organic Matter, NPK 	<ul style="list-style-type: none"> • Soil Testing • Vermicompost Process • Soil Analysis: Saline-Alkaline 	Increase Scientific Tempore by doing soil testing at lab
6	Resource Geography	DSC-1022C2	2019-20		Practical: <ul style="list-style-type: none"> • Proportional Circle 	<ul style="list-style-type: none"> • Classification of Resources 	Forests and Energy Resource	<ul style="list-style-type: none"> • Problems of Energy Resources : 	Resource Management

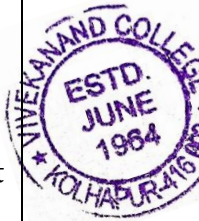


					<ul style="list-style-type: none"> • Choropleth Map • Dot Map • Isopleth Map 	<ul style="list-style-type: none"> • Distribution and Production of Iron Ore, Bauxite and Manganese in USA, USSR, UK and India • Problems of Energy Resources: Environmental impacts of non-renewable energy consumption, Future energy options (Analytical Skills) 	<ul style="list-style-type: none"> • Distribution and Utilization of Forest Resources: Types of Forest, Importance of Forest • Problems of Forest Resources: deforestation • Distribution and Utilization of Energy Resources: Non-renewable (Oil, Natural Gas, Coal) and Renewable (Solar, 	<p>Environmental impacts of non-renewable energy consumption, Future energy options</p>	
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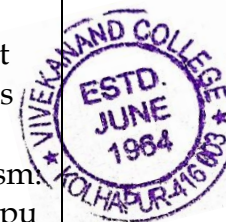


							Hydro, Wind etc.)		
7	Oceanography	DSC-1022D1	2019-20	Applied Oceanography		Applied Oceanography	<ul style="list-style-type: none"> • Ocean or Marine deposits: Sources and Classification • Ocean Resources - Biotic-Mineral and Energy Resources • Ocean Pollution - Causes, Effects and Measures 	<ul style="list-style-type: none"> • Properties & Dynamics of Ocean Practical: <ul style="list-style-type: none"> • Hypsographic Curve • Wind Rose • Isohalines Isotherms 	Scientific temperament by studying oceanography
8	Agriculture Geography	DSC-1022D2	2019-20	<ul style="list-style-type: none"> • Evolution of agriculture • Determinants of 			Important Agricultural Documents <ul style="list-style-type: none"> • Important Documents in 	<ul style="list-style-type: none"> • Major Agricultural Systems • Von Thunen's theory of 	

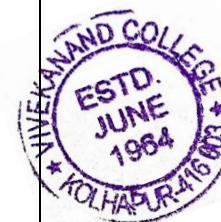


				Agriculture <ul style="list-style-type: none"> • Organic Farming 			Talathi Office <ul style="list-style-type: none"> • Importance of Land Revenue • Importance of Agricultural Journalism 	agricultural land use <ul style="list-style-type: none"> • Agricultural Regionalization • Green revolution and Organic Farming (Analytical Skill) 	
9	Concept of Tourism Geography	IDS 1026C	2019-20		Components of Tourism: Geographical Social, Cultural & other	Components of Tourism <ul style="list-style-type: none"> • Geographical, Social, Cultural Recent Trends in Tourism • Classification on the basis of Nationality, Time, Number of tourists, Objectives 	Recent Trends in Tourism <ul style="list-style-type: none"> • Classification on the basis of Nationality, Time, Number of tourists, Objectives, Transportation, Season, and 	 <p>VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416 005</p>	

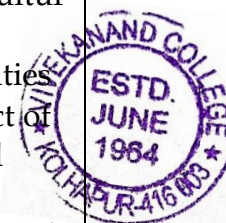
							Transportation, Season, and Nature of Tourism Impact of Tourism <ul style="list-style-type: none"> • Economic, Socio-cultural, Environmental • Sustainable Development in Tourism 	Nature of Tourism	
10	Development and Planning of Tourism	DSE - 1026D	2019-20	<ul style="list-style-type: none"> • Changing Perspectives in Ancient to Modern Tourism 	•		<ul style="list-style-type: none"> • Tourism Centres in Kolhapur • Development and Planning of Tourism in Maharashtra 	<ul style="list-style-type: none"> • Development of Tourism in Maharashtra • Recent Trends in Tourism, Kolhapur District 	



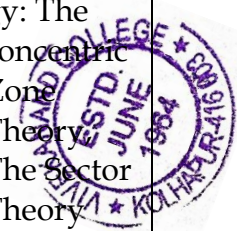
11	Evolution of Geographical Thought,	DSE 1022 E1	2020-21	<ul style="list-style-type: none"> Schools of Geographic Thoughts: German, French, American, British Model Building in Geography Future of Geography 	<ul style="list-style-type: none"> Historical / Contemporary Geography 	Dualisms in Geography	Trends in Geography: <ul style="list-style-type: none"> Model Building Man - Nature Relationship Radicalism, Behaviouralism & Humanism 	<ul style="list-style-type: none"> Schools of Geographic Thoughts: German, French, American, British Model Building in Geography Future of Geography 	
12	Geography of India	DSE 1022 E2	2020-21	<ul style="list-style-type: none"> Importance of Agriculture, industry in Indian Economy 		Importance of study in Indian Geography	<ul style="list-style-type: none"> Physiographic Divisions of India Soil Conservation Conservation of Forests Minerals & Power Resources 	<ul style="list-style-type: none"> Importance of Agriculture, Industries in Indian Economy Trade 	Participation in community services
13	Population	DSE 1022 E3	2020-21		Effects of Covid 19 on	<ul style="list-style-type: none"> World Population 	<ul style="list-style-type: none"> Theories of 	<ul style="list-style-type: none"> Population 	



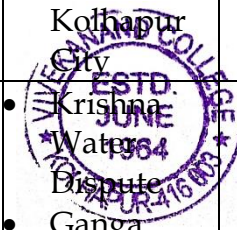
	Geography				Fertility, Mortality and Migration	Population composition	<ul style="list-style-type: none"> Population Growth Population Dynamics and Pandemics 	<ul style="list-style-type: none"> Pandemics solutions World Population growth World Population Distribution Fertility, Mortality & Migration Population Composition 	
14	Economic Geography,	DSE 1022 F1	2020-21		•	<ul style="list-style-type: none"> Significance of Economic Geography 	<ul style="list-style-type: none"> Manufacturing Regions Economic Zones Major Industries and their work structure Trade & Transport 	<ul style="list-style-type: none"> Impact of Covid 19 on Agricultural Activities Impact of Covid 19 on Industrial Activities Impact of Covid 	



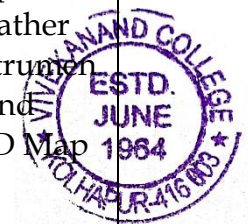
							to Industries	19on Tourism Activities	
								<ul style="list-style-type: none"> • Alfred Weber's Theory of Industrial Location 	
15	Urban Geography	DSE 1022 F2	2020-21		<ul style="list-style-type: none"> • Concept and Factors of Urbanization • Patterns of Urbanization in developed and developing countries. 	<ul style="list-style-type: none"> • Urban Issues: problems of housing, slums, civic amenities (water and transport) • Case studies of Mumbai and Delhi with reference to land and urban issues • Urban problems in 	<ul style="list-style-type: none"> • Structure and Morphology • City Region and C.B.D • Rural-Urban Fringe • Models of Town Morphology: The concentric Zone Theory • The Sector Theory and the Multi-Nuclei Theory 		



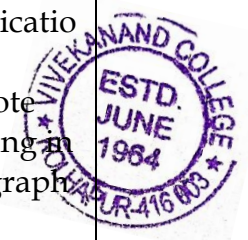
							<ul style="list-style-type: none"> • Kolhapur City • Concept of Garden City • Case studies of Mumbai and Delhi with reference to land and urban issues • Urban problems in Kolhapur City 	
16	Political Geography,	DSE 1022 F3	2020-21				<ul style="list-style-type: none"> • Concepts in Political Geography • Krishna Water Dispute • Ganga Water Dispute • Chandoli Dam Project: Issues of 	<ul style="list-style-type: none"> • Krishna Water Dispute • Ganga Water Dispute • Chandoli Dam Project: Issues of Relief, Compensation and



							<ul style="list-style-type: none"> Relief, Compensation and Rehabilitation • Indo-China border Issue 	<ul style="list-style-type: none"> Rehabilitation • Indo-China border Issue 	
17	Fundamentals of Map Making and Map Interpretation	Practical Paper -I	2020-21				<ul style="list-style-type: none"> • Interpretation of Indian Daily Weather Maps (Rainy, Winter and Summer) • Interpretation of S.O.I.'s Topographical Map (Mountain, Plateau and Plain) • Expression of Slopes: a) Gradient 	<ul style="list-style-type: none"> • Mapping of Slope, Relief Features and Profile • Topographical Maps • Weather Instruments and IMD Map 	<ul style="list-style-type: none"> •




							b) Degree c) Per Cent d) Mills		
18	Advanced Tools, Techniques and Field Work	Practical Paper -II	2020-21				<ul style="list-style-type: none"> • Exercise with Google Earth Program. • Association and Correlation: Karl Pearson's Method (Product Moment) • Surveying • Field project 	<ul style="list-style-type: none"> • Application of computer in geography - Line Graphs, Bar Graphs, Pie Diagram and Scatter Diagram • Application of Remote Sensing in Geography • Identification of Physical and cultural features from Aerial 	

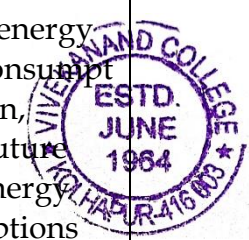


								<ul style="list-style-type: none"> Photographs or Satellite Imagery • Exercise with Google Earth Program. • Surveying 	
BA Geography (Revised between 2021-22 to 2023-24)									
19	Introduction to Physical Geography	DSC-1022A	2021-22	<ul style="list-style-type: none"> • Analyze the Geo-environmental Issues around the world. • 			<ul style="list-style-type: none"> • Approaches to the basic concepts of Physical Geography Spatial distribution of World water Resources 	<ul style="list-style-type: none"> • Use and Over Utilization of Surface and Ground Water Water Conservation, Rain Water Harvesting, Water Management 	<ul style="list-style-type: none"> Increase Scientific Temper Origin of Universe, Earth, Exogenetic-Endogenetic Forces, Planetary Winds, Hydrological Cycle, Diastrophism Continental and Mountain Building

20	Introduction Human Geography	DSC-1022B	2021-22			<ul style="list-style-type: none"> • Importance of Human Settlements • Evolution of Man • The Bases of Racial Classification • Factors affecting Rural Settlements • Functions of Rural Settlements 	<ul style="list-style-type: none"> • Evolution of Man - Stages & Processes of Human Evolution • Human Geography & its relation with Science Social Science 	<ul style="list-style-type: none"> • Growth of Population in the World • Concept of Fertility & Mortality • Urbanization 	<ul style="list-style-type: none"> • Community Participation: Bases of Racial Classification, Major Racial Groups
21	Science, Technology & Development	(GEC) -I	2021-22	Eminent Scientists in the development of S& T	•	Human Health	Importance of Power resources	<ul style="list-style-type: none"> • Human Blood, AIDS Challenge before world facts 	
22	Science, Technology & Development	(GEC) -II	2021-22	<ul style="list-style-type: none"> • Means of Communication 		Science Technology in Space Research	<ul style="list-style-type: none"> • Disaster Management 	<ul style="list-style-type: none"> • Science Technology in Space Research 	Satellites Recent Technology

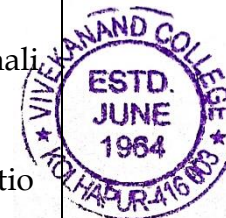
				<ul style="list-style-type: none"> • Science technology in Space, Defense & Ocean Research 		<ul style="list-style-type: none"> • Satellites Recent Technology, • Use of GIS & GPS 	<p>Earthquake, Flood, Fire, Accident, Crowd etc.</p>	<ul style="list-style-type: none"> • Satellites Recent Technology, • Use of GIS & GPS <p>Science Technology in Defence & Ocean Research DRDO, OCEAN Studies etc.</p>	
23	Soil Geography	DSC-1022C1	2022-23	•	•	<ul style="list-style-type: none"> • Genetic Classification of Soils <p>Soil Management: Need & Method</p>	<ul style="list-style-type: none"> • Process of Soil Formation: Physical, Biotic and Chemical • Physical Properties of Soils: Morphology, Texture, Structure 	<ul style="list-style-type: none"> • Soil Testing • Vermi Compost Process • Soil Analysis: Saline-Alkaline 	<p>Increase Scientific Tempore by doing soil testing at lab</p> 

							, Water, Air and Temperat ure. Chemical Properties of Soils: PH , Organic Matter, NPK		
24	Resource Geograph y	DSC- 1022C2	2022-23	•	Practical: • Proportio nal Circle • Chorople th Map • Dot Map Isopleth Map	<ul style="list-style-type: none"> • Classific ation of Resource s • Distribut ion and Producti on of Iron Ore, Bauxite and Mangane se in USA, USSR, UK and India Problems of Energy Resources: Environmen tal impacts of non-	Forests and Energy Resource <ul style="list-style-type: none"> • Distributi on and Utilizatio n of Forest Resource s: Types of Forest, Importan ce of Forest • Problems of Forest Resource s: deforesta tion • Distributi on and Utilizatio 	<ul style="list-style-type: none"> • Problems of Energy Resources : Environm ental impacts of non- renewabl e energy consumpt ion, Future energy options 	Resource Manage ment



						renewable energy consumption, Future energy options (Analytical Skills)	n of Energy Resources: Non-renewable (Oil, Natural Gas, Coal) and Renewable (Solar, Hydro, Wind etc.)		
25	Oceanography	DSC-1022D1	2022-23	<ul style="list-style-type: none"> Applied Oceanography 		Applied Oceanography	<ul style="list-style-type: none"> Ocean or Marine deposits: Sources and Classification Ocean Resources - Biotic-Mineral and Energy Resources Ocean Pollution - 	<ul style="list-style-type: none"> Properties & Dynamics of Ocean Practical: <ul style="list-style-type: none"> Hypsographic Curve Wind Rose Isohalines Isotherms 	Scientific temperament by studying oceanography

							Causes, Effects and Measures		
26	Agriculture Geography	DSC-1022D2	2022-23	<ul style="list-style-type: none"> • Evolution of agriculture • Determinants of Agriculture • Organic Farming • 			<p>Important Agricultural Documents</p> <ul style="list-style-type: none"> • Important Documents in Talathi Office • Importance of Land Revenue • Importance of Agricultural Journalism 	<ul style="list-style-type: none"> • Major Agricultural Systems • Von Thunen's theory of agricultural land use • Agricultural Regionalization • Green revolution and Organic Farming (Analytical Skill) 	
27	Concept of Tourism Geography	IDS 1026C	2022-23	Definition, Nature, Scope, Significance & Development of Tourism		Components of Tourism: Geographical Social, Cultural & other	<p>Components of Tourism</p> <ul style="list-style-type: none"> • Geographical, Social, Cultural 	<p>Recent Trends in Tourism</p> <ul style="list-style-type: none"> • Classification on the basis of 	

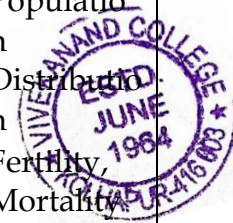


				(Analytical Skills)			<p>Recent Trends in Tourism</p> <ul style="list-style-type: none"> • Classification on the basis of Nationality, Time, Number of tourists, Objectives, Transportation, Season, and Nature of Tourism <p>Impact of Tourism</p> <ul style="list-style-type: none"> • Economic, Socio-cultural, Environmental Sustainable Development in Tourism 	<p>Nationality, Time, Number of tourists, Objectives, Transportation, Season, and Nature of Tourism</p>	
28	Development and Planning	DSE - 1026D	2022-23	Changing Perspectives in Ancient to			<ul style="list-style-type: none"> • Tourism Centers in Kolhapur 	<ul style="list-style-type: none"> • Development of Tourism in 	

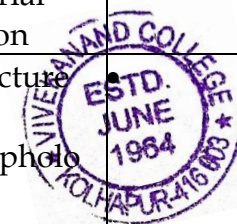


	of Tourism			Modern Tourism			<ul style="list-style-type: none"> Development and Planning of Tourism in Maharashtra 	Maharashtra Recent Trends in Tourism: Kolhapur District	
29	Evolution of Geographical Thought,	DSE 1022 E1	2023-24	<ul style="list-style-type: none"> Behavior of Schools of Geographic Thoughts: German, French, American, British Model Building in Geography Future of Geography 		Dualisms in Geography	<ul style="list-style-type: none"> Trends in Geography: <ul style="list-style-type: none"> Model Building Man - Nature Relationship Radicalism, Behaviouralism & Humanism 	<ul style="list-style-type: none"> Schools of Geographic Thoughts: German, French, American, British Model Building in Geography Future of Geography 	Historical / Contemporary Geography
30	Geography of India	DSE 1022 E2	2023-24				<ul style="list-style-type: none"> Importance of Agriculture, Industries in Indian Economy Trade 		<ul style="list-style-type: none"> Participation in community services

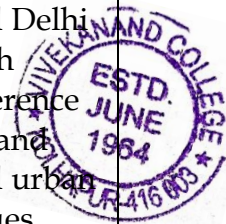
31	Population Geography	DSE 1022 E3	2023-24				<ul style="list-style-type: none"> • Theories of Population Growth • Population Dynamics and Pandemics • Effects of Covid 19 on Fertility, Mortality and Migration 	<ul style="list-style-type: none"> • Population Pandemics solutions • World Population growth • World Population Distribution • Fertility, Mortality & Migration • Population Composition 	<ul style="list-style-type: none"> •
32	Economic Geography,	DSE 1022 F1	2023-24				<ul style="list-style-type: none"> • Manufacturing Regions • Economic Zones • Major Industries and their work structure 	<ul style="list-style-type: none"> • Impact of Covid 19on Agricultural Activities • Impact of Covid 19on Industrial Activities 	



							Trade & Transport to Industries	<ul style="list-style-type: none"> • Impact of Covid 19 on Tourism Activities Alfred Weber's Theory of Industrial Location 	
33	Urban Geography	DSE 1022 F2	2023-24			Urban Culture	<ul style="list-style-type: none"> • Urban Issues: problems of housing, slums, civic amenities (water and transport) • Case studies of Mumbai and Delhi with reference to land and urban issues • Urban problems 	<ul style="list-style-type: none"> • Structure and Morphology • City Region and C.B.D • Rural-Urban Fringe • Models of Town Morphology: The concentric Zone Theory, The Sector Theory and the Multi- 	

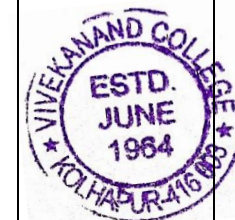


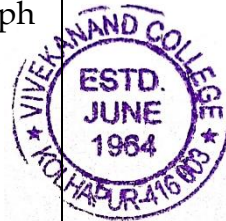
							in Kolhapur City	<ul style="list-style-type: none"> Nuclei Theory • Concept of Garden City • Case studies of Mumbai and Delhi with reference to land and urban issues • Urban problems in Kolhapur City 	
34	Political Geography,	DSE 1022 F3	2023-24				<ul style="list-style-type: none"> • Concepts in Political Geography • Krishna Water Dispute • Ganga Water Dispute • Chandoli Dam 	<ul style="list-style-type: none"> • Krishna Water Dispute • Ganga Water Dispute • Chandoli Dam Project: Issues of Relief, Compensation 	



							<ul style="list-style-type: none"> Project: Issues of Relief, Compensation and Rehabilitation • Indo-China border Issue 	<ul style="list-style-type: none"> tion and Rehabilitation • Indo-China border Issue 	
35	Fundamentals of Map Making and Map Interpretation	Practical Paper -I	2023-24				<ul style="list-style-type: none"> • Mapping of Slope, Relief Features and Profile • Topographical Maps • Weather Instruments and IMD Map • 	<ul style="list-style-type: none"> • Map and Scales • Map Projection • Mapping of Slope, Relief Features and Profile • Topographical Maps • Weather Instruments and IMD Map • Techniques of Statistical 	

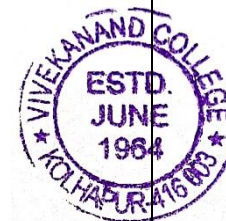
								Data Periods	
36	Advanced Tools, Techniques and Field Work	Practical Paper -II	2023-24				<ul style="list-style-type: none"> • Exercise with Google Earth Program. • Association and Correlation: Karl Pearson's Method (Product Moment) • Surveying • Field project 	<ul style="list-style-type: none"> • Application of computer in geography - Line Graphs, Bar Graphs, Pie Diagram and Scatter Diagram • Application of Remote Sensing in Geography • Identification of Physical and cultural features from Aerial Photographs or 	



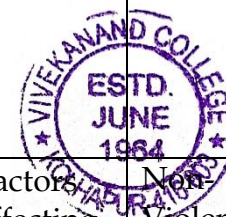


							<ul style="list-style-type: none"> • Satellite Imagery • Application of GIS in Geography: Land use or Land Cover, Urban Sprawl Analysis, Forests Monitoring • Exercise with Google Earth Program. • Surveying techniques 	
BA I Geography under NEP (Introduced in 2023-24)								
37	Physical Geography	DSC01G EO11	2023-24			Studying physical geography equips students with spatial analysis, environmental	<ul style="list-style-type: none"> • Approaches to the basic concepts of Physical Geography 	Increase Scientific Temper

							<p>awareness, and problem-solving abilities. These skills are sought after in various professions, fostering adaptability and critical thinking, ultimately enhancing employability prospects.</p>	<ul style="list-style-type: none"> Analyse the Geo-environmental Issues around the world. 	
38	Introduction to Physical Geography	MIN01G EO11	2023-24				<ul style="list-style-type: none"> Introduction to GIS: Meaning, Definition, Elements & Application Introduction to GPS: Meaning, Definition, Elements & Application 	<p>GIS: Meaning, Definition, Elements & Application</p> <p>Introduction to GPS: Meaning, Definition, Elements & Application</p>	Increase Scientific Temper



							<ul style="list-style-type: none"> • spatial analysis, environmental awareness, and problem-solving abilities. 		
39	Human Geography	DSC01G EO21	2023-24				<p>World Population & Migration</p> <ul style="list-style-type: none"> • Growth of Population in the World • Factors Affecting the Distribution of World Population • Migration: Causes, Types & 	<ul style="list-style-type: none"> • Factors affecting Rural Settlements • Urbanization 	<p>Non-Violence and Human Values</p>



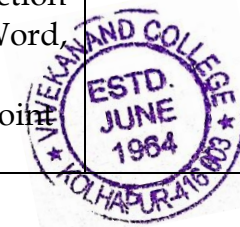
							<p>consequences</p> <p>Human Settlements</p> <ul style="list-style-type: none"> • Factors affecting Rural Settlements • Urbanization 		
40	Introduction to Human Geography	MIN01G EO21	2023-24			<ul style="list-style-type: none"> • Develop basic framework of Human geography • Develop skills of making Maps by applying GIS & GPS 	<p>World Population & Migration</p> <ul style="list-style-type: none"> • Growth of Population in the World • Factors Affecting the Distribution of World Population 	<ul style="list-style-type: none"> • Google Earth Application of Google Earth <ul style="list-style-type: none"> i. Point, Line & Polygon ii. Gradient or Slope Calculation • Area Measuring 	Non-Violence and Human Values

							<ul style="list-style-type: none"> • Migration: Causes, Types & consequences • Human Settlements • Factors affecting Rural Settlements • Urbanization 		
41	Google Earth for Geoscience Teaching and Research	VSC01GE O11	2023-24				<ul style="list-style-type: none"> • map making and coordinate systems, issues regarding map scale and projections, • using maps, 	<ul style="list-style-type: none"> • Application of Google Earth: • The interface of Google Earth • Point, Line, Polygon 	Advanced Tools and Techniques

							remote sensing, geographic information systems, maps as media, emerging digital mapping technologies, and using internet mapping services		
42	Introduction to QGIS	VSC01GE O21	2023-24	Application and Importance of QGIS Software	•	•	<ul style="list-style-type: none"> • The Interface of QGIS Software • Georeferencing of Toposheet /Map • Vectorization or digitization of Toposheet /Map- 	<ul style="list-style-type: none"> • Georeferencing of Toposheet /Map • Vectorization or digitization of Toposheet /Map-point, Line and polygon 	Application and Importance of QGIS Software



							point, Line and polygon		
43	Advanced Surveying Tool: GPS	SEC01 GEO11	2023-24				<ul style="list-style-type: none"> • Segment s of GPS • Types and Importan ce of GPS Surveyin g • Data Collectio n with GPS • Export GPS Data to GIS Software Drafting Map Layout 	<ul style="list-style-type: none"> • Segment s of GPS • Types and Importan ce of GPS Surveyin g • Data Collectio n with GPS • Export GPS Data to GIS Software Drafting Map Layout 	Advanced Surveying Tool: GPS
44	Computer Applicati on in Geograph y	SEC01 GEO21	2023-24	Computer Application				<ul style="list-style-type: none"> • Hardwar e and Software Introduction to MS Word, Excel & PowerPoint 	Computer Applicatio n



45	Ancient Indian Geographical Thought	IKS01 GEO11	2023-24				<ul style="list-style-type: none"> • Ancient Geography with special reference to space & Remote Sensing Geographical Contribution of Valmiki, Aryabhatta, Varahmihira, Bhaskaracharya 	Methods of studying ancient Indian Geographical Thought	Indian Knowledge System: Characteristics of Ancient Indian Geographical Thought
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