



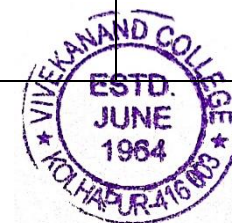
“Education for Knowledge, Science and Culture.”
– Shikshanmaharshi Dr. Bapuji Salunkhe

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

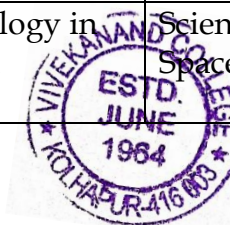


Content with Focus on Employability, Entrepreneurship, Skill Development

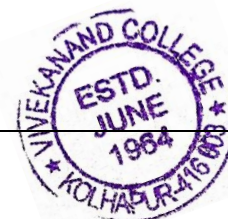
Sr. No.	Name of the Course	Course Code	Year of Introduction	Content with focus on employability	Content with focus on entrepreneurship	Content with focus on skill development
BA Geography (Newly Introduced between 2018-19 to 2020-21)						
1	Physical Geography	DSC-1022A	2018-19	Analyse the Geo-environmental Issues around the world.	Studying physical geography equips students with spatial analysis, environmental awareness, and problem-solving abilities. These skills are sought after in various professions, fostering adaptability and critical thinking, ultimately enhancing employability prospects.	Approaches to the basic concepts of Physical Geography



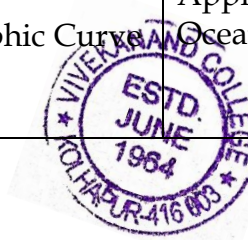
2	Human Geography	DSC-1022B	2018-19	World Population & Migration <ul style="list-style-type: none"> • Growth of Population in the World • Factors Affecting the Distribution of World Population • Migration: Causes, Types & consequences Human Settlements <ul style="list-style-type: none"> • Factors affecting Rural Settlements • Urbanization 	•	Develop basic framework of Human geography
3	Science, Technology & Development	(GEC) -1	2018-19	Science Technology & Human Health <ul style="list-style-type: none"> • Human Blood Groups • Human Health • Swachh Bharat Abhiyan/Clean India Mission 		Develop knowledge about Eminent Scientists: <ul style="list-style-type: none"> • Newton, Einstein, Edison, Dr. Homi Bhabha, Dr. Swaminathan, Dr. APJ Abdul Kalam etc. • Overcome superstitions and believe in science
4	Science, Technology & Development	(GEC) -II	2018-19	<ul style="list-style-type: none"> • Disaster Management 	Science Technology in Space Research	Science Technology in Space Research



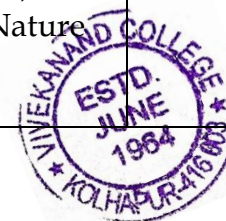
				<p>Earthquake, Flood, Fire, Accident, Crowd etc.</p> <ul style="list-style-type: none"> • Means of Communication • Science technology in Space, Defense & Ocean Research 	<ul style="list-style-type: none"> • Satellites Recent Technology, • Use of GIS & GPS Science Technology in Defence & Ocean Research • DRDO, OCEAN Studies etc. 	<ul style="list-style-type: none"> • Satellites Recent Technology, • Use of GIS & GPS
5	Soil Geography	DSC-1022C1	2019-20	<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 (Nitrogen, Phosphorous and Potassium). <p>Practical</p> <ul style="list-style-type: none"> • Soil Profile • Vermi Compost Process • Soil Testing 	<p>Practical</p> <ul style="list-style-type: none"> • Soil Profile • Vermi Compost Process <p>Soil Testing</p>	<p>Soil: Formation & Physical & Chemical</p> <p>Soil Properties: Analytical Skill</p> <ul style="list-style-type: none"> • Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature • Chemical Properties of Soils: pH , Organic Matter, NPK (Nitrogen, Phosphorous and Potassium). • Soil Classification, Distribution & Management



6	Resource Geography	DSC-1022C2	2019-20	<p>Forests and Energy Resource</p> <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, Hydro, Wind etc.) • Problems of Energy Resources: Environmental impacts of non-renewable energy consumption, Future energy options 	<p>Practical:</p> <ul style="list-style-type: none"> • Proportional Circle • Choropleth Map • Dot Map • Isopleth Map 	<ul style="list-style-type: none"> • Classification of Resources • 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)
7	Oceanography	DSC-1022D1	2019-20	<ul style="list-style-type: none"> • Properties & Dynamics of Ocean 	<p>Practical:</p> <ul style="list-style-type: none"> • Hypsographic Curve • Wind Rose • Isohalines 	<p>Applied Oceanography</p>



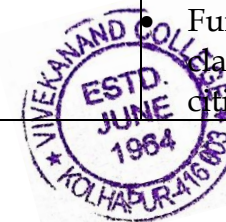
				<ul style="list-style-type: none"> Applied Oceanography 	<ul style="list-style-type: none"> Isotherms 	<ul style="list-style-type: none"> Ocean or Marine deposits: Sources and Classification Ocean Resources – Biotic- Mineral and Energy Resources Ocean Pollution – Causes, Effects and Measures
8	Agriculture Geography	DSC-1022D2	2019-20	<p>Important Agricultural Documents</p> <ul style="list-style-type: none"> Important Documents in Talathi Office Importance of Land Revenue Importance of Agricultural Journalism 	Organic Farming	<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)
9	Concept of Tourism Geography	IDS 1026C	2019-20	<p>Components of Tourism</p> <ul style="list-style-type: none"> Geographical, Social, Cultural Recent Trends in Tourism Classification on the basis of Nationality, Time, Number of tourists, 	<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>Definition, Nature, Scope, Significance & Development of Tourism (Analytical Skills)</p>



				<p>Objectives, Transportation, Season, and Nature of Tourism</p> <p>Impact of Tourism</p> <ul style="list-style-type: none"> • Economic, Socio-cultural, Environmental • Sustainable Development in Tourism 		
10	Development and Planning of Tourism	DSE - 1026D	2019-20	<ul style="list-style-type: none"> • Development of Tourism in Maharashtra • Recent Trends in Tourism: Kolhapur District 	<ul style="list-style-type: none"> • Tourism Centers in Kolhapur 	Changing Perspectives in Ancient to Modern Tourism
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
12	Geography of India	DSE 1022 E2	2020-21	<ul style="list-style-type: none"> • Physiographic Divisions of India • Soil Conservation • Conservation of Forests 	Minerals & Power Resources	Importance of Agriculture in Indian Economy



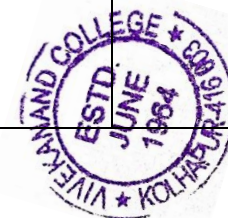
13	Population Geography	DSE 1022 E3	2020-21	<ul style="list-style-type: none"> World Population growth World Population Distribution Fertility, Mortality & Migration Population Composition 	Effects of Covid 19 on Fertility, Mortality and Migration	<ul style="list-style-type: none"> Theories of Population Growth Population Dynamics
14	Economic Geography,	DSE 1022 F1	2020-21	<ul style="list-style-type: none"> Manufacturing Regions Economic Zones Major Industries and their work structure Trade & Transport to Industries 	<ul style="list-style-type: none"> Impact of Covid 19 on Agricultural Activities Impact of Covid 19 on Industrial Activities Impact of Covid 19 on Tourism Activities Alfred Weber's Theory of Industrial Location 	<ul style="list-style-type: none"> Significance of Economic Geography
15	Urban Geography	DSE 1022 F2	2020-21	<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"> 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 Kolhapur City 	<ul style="list-style-type: none"> Site and Situation: Significance and Types Concept and Factors of Urbanization Patterns of Urbanization in developed and developing countries. Functional Classification of cities



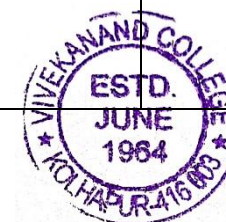
				<ul style="list-style-type: none"> • Concept of Garden City • Case studies of Mumbai and Delhi with reference to land and urban issues • Urban problems in Kolhapur City 		
16	Political Geography,	DSE 1022 F3	2020-21	<ul style="list-style-type: none"> • Concepts in Political Geography • Krishna Water Dispute • Ganga Water Dispute • Chandoli Dam Project: Issues of Relief, Compensation and Rehabilitation • Indo-China border Issue 	<ul style="list-style-type: none"> • Krishna Water Dispute • Ganga Water Dispute • Chandoli Dam Project: Issues of Relief, Compensation and Rehabilitation • Indo-China border Issue 	<ul style="list-style-type: none"> • Concepts in Political Geography: State, Nation, Boundary, Frontiers • Heartland Theories - H. J. Mackinder • Rimland Theory - N. J. Spykeman
17	Fundamentals of Map Making and Map Interpretation	Practical Paper -I	2020-21	<ul style="list-style-type: none"> • Map and Scales • Map Projection • Mapping of Slope, Relief Features and Profile • Topographical Maps 	<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"> • Interpretation of Indian Daily Weather Maps (Rainy, Winter and Summer) • Interpretation of S.O.I.'s Topographical Map



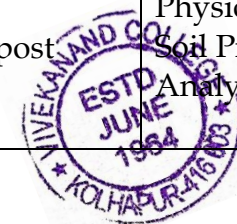
				<ul style="list-style-type: none"> • Weather Instruments and IMD Map • Techniques of Statistical Data Periods 		<p>(Mountain, Plateau and Plain)</p> <ul style="list-style-type: none"> • Expression of Slopes: a) Gradient b) Degree c) Per Cent d) Mills
18	Advanced Tools, Techniques and Field Work	Practical Paper -II	2020-21	<ul style="list-style-type: none"> • Application of computer in geography- Line Graphs, Bar Graphs, f Pie Diagram and Scatter Diagram • Application of Remote Sensing in Geography • Identification of Physical and cultural features from Aerial Photographs or Satellite Imagery • Application of GIS in Geography: Land use or Land Cover, Urban Sprawl Analysis, Forests Monitoring • Exercise with Google Earth Program. 	<ul style="list-style-type: none"> • Application of computer in geography- Line Graphs, Bar Graphs, f Pie Diagram and Scatter Diagram • Application of Remote Sensing in Geography • Identification of Physical and cultural features from Aerial Photographs or Satellite Imagery • Exercise with Google Earth Program. • Surveying 	<ul style="list-style-type: none"> • Exercise with Google Earth Program. • Association and Correlation: Karl Pearson’s Method (Product Moment) • Surveying • Field project



				• Surveying		
BA Geography (Revised between 2021-22 to 2023-24)						
19	Introduction to Physical Geography	DSC-1022A	2021-22	Practical (Only Theory) <ul style="list-style-type: none"> • Introduction to GIS: Meaning, Definition, Elements & Application • Introduction to GPS: Meaning, Definition, Elements & Application 	<ul style="list-style-type: none"> • Introduction to GIS: Meaning, Definition, Elements & Application • Introduction to GPS: Meaning, Definition, Elements & Application 	Studying physical geography equips students with spatial analysis, environmental awareness, and problem-solving abilities.
20	Introduction Human Geography	DSC-1022B	2021-22	World Population & Migration <ul style="list-style-type: none"> • Growth of Population in the World • Factors Affecting the Distribution of World Population • Migration: Causes, Types & consequences • Human Settlements • Factors affecting Rural Settlements • Urbanization 	<ul style="list-style-type: none"> • Practical -Google Earth • Application of Google Earth <ul style="list-style-type: none"> i. Point, Line & Polygon ii. Gradient or Slope Calculation • Area Measuring 	<ul style="list-style-type: none"> • Develop basic framework of Human geography • Develop skills of making g Maps by applying GIS & GPS



21	Science, Technology & Development	(GEC) -I	2021-22	<p>Science Technology & Human Health</p> <ul style="list-style-type: none"> • Human Blood Groups • Human Health <p>Swachh Bharat Abhiyan/ Clean India Mission</p>	<p>Importance of Power Recourses</p> <ul style="list-style-type: none"> • Types of Power recourses • Non- Conventional Power Recourses • Solar Energy • Wind Energy • Nuclear Energy 	<p>Develop knowledge about Eminent Scientists:</p> <ul style="list-style-type: none"> • Newton, Einstein, Edison, Dr. Homi Bhabha, Dr. Swaminathan, Dr. APJ Abdul Kalam etc. <p>Overcome superstitions and believe in science</p>
22	Science, Technology & Development	(GEC) -II	2021-22	<ul style="list-style-type: none"> • Disaster Management • Earthquake, Flood, Fire, Accident, Crowd etc. • Satellite Programme of India • Means of Communication • Science technology in Space, Defense & Ocean Research 	<p>Science Technology in Space Research</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>	<p>Science Technology in Space Research</p> <ul style="list-style-type: none"> • Satellites Recent Technology, • Use of GIS & GPS
23	Soil Geography	DSC-1022C1	2022-23	<ul style="list-style-type: none"> • Soil Profile, • Soil sampling • Soil Analysis • Soil Mapping 	<p>Practical</p> <ul style="list-style-type: none"> • Soil Profile • Vermi Compost Process • Soil Testing 	<p>Soil: Formation & Physical & Chemical Soil Properties: Analytical Skill</p>



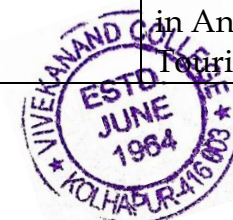
				<ul style="list-style-type: none"> • Process of Soil Formation • Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature. • Chemical Properties of Soils: PH , Organic Matter, NPK (Nitrogen, Phosphorous and Potassium). • Vermi Compost Process 		<ul style="list-style-type: none"> • Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature • Chemical Properties of Soils: pH , Organic Matter, NPK (Nitrogen, Phosphorous and Potassium). Soil Classification, Distribution & Management
24	Resource Geography	DSC-1022C2	2022-23	<p>Forests and Energy Resource</p> <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: 	<p>Computer Based Practical:</p> <ul style="list-style-type: none"> • Line Graph • Bar Graph • Pie chart • Proportional Circle 	<ul style="list-style-type: none"> • Classification of Resources • Distribution and Production of Iron Ore, Bauxite and Manganese in USA, USSR, UK and India <p>Problems of Energy Resources: Environmental impacts of non-renewable energy consumption, Future</p>



				<p>Non-renewable (Oil, Natural Gas, Coal) and Renewable (Solar, Hydro, Wind etc.)</p> <ul style="list-style-type: none"> • Problems of Energy Resources: Environmental impacts of non-renewable energy consumption, Future energy options 		energy options (Analytical Skills)
25	Oceanography	DSC-1022D1	2022-23	<ul style="list-style-type: none"> • Hypsographic Curve • Wind Rose • Isohalines • Isotherms • Properties & Dynamics of Ocean • Applied Oceanography 	<p>Practical:</p> <ul style="list-style-type: none"> • Hypsographic Curve • Wind Rose • Isohalines <p>Isotherms</p>	<p>Applied Oceanography</p> <ul style="list-style-type: none"> • Ocean or Marine deposits: Sources and Classification • Ocean Resources – Biotic- Mineral and Energy Resources <p>Ocean Pollution – Causes, Effects and Measures</p>
26	Agriculture Geography	DSC-1022D2	2022-23	<p>Important Agricultural Documents</p> <ul style="list-style-type: none"> • Important Documents in Talathi Office 	Organic Farming	<ul style="list-style-type: none"> • Major Agricultural Systems • Von Thunen's theory of agricultural land use



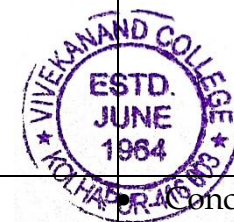
				<ul style="list-style-type: none"> • Importance of Land Revenue • Importance of Agricultural Journalism 		<ul style="list-style-type: none"> • Agricultural Regionalization • Green revolution and Organic Farming (Analytical Skill)
27	Concept of Tourism Geography	IDS 1026C	2022-23	<p>Components of Tourism</p> <ul style="list-style-type: none"> • Geographical, Social, Cultural • Recent Trends in Tourism • 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 <p>Sustainable Development in Tourism</p>	<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>Definition, Nature, Scope, Significance & Development of Tourism (Analytical Skills)</p>
28	Development and Planning of Tourism	DSE - 1026D	2022-23	<ul style="list-style-type: none"> • Development of Tourism in Maharashtra 	Tourism Centres in Kolhapur	<p>Changing Perspectives in Ancient to Modern Tourism</p>



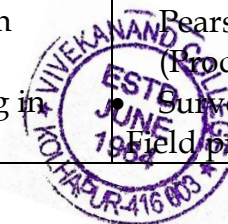
				Recent Trends in Tourism: Kolhapur District		
29	Evolution of Geographical Thought,	DSE 1022 E1	2020-21	<ul style="list-style-type: none"> Schools of Geographic Thoughts: German, French, American, British Model Building in Geography Future of Geography 	Historical / Contemporary Geography	Dualisms in Geography Quantitative Revolution
30	Geography of India	DSE 1022 E2	2020-21	<ul style="list-style-type: none"> Himalayan & Peninsular River System Physiographic Divisions of India Soil Conservation Conservation of Forests 	<ul style="list-style-type: none"> Creating BHUVAN Accounts Making map layout Minerals & Power Resources 	<ul style="list-style-type: none"> Importance of Agriculture in Indian Economy Creating BHUVAN Accounts Making map layout
31	Population Geography	DSE 1022 E3	2020-21	<ul style="list-style-type: none"> World Population growth World Population Distribution Fertility, Mortality & Migration Population Composition 	Effects of Covid 19 on Fertility, Mortality and Migration	<ul style="list-style-type: none"> Theories of Population Growth Population Dynamics
32	Economic Geography,	DSE 1022 F1	2020-21	<ul style="list-style-type: none"> Manufacturing Regions Economic Zones 	<ul style="list-style-type: none"> Impact of Covid 19 on Agricultural Activities 	Significance of Economic Geography



				<ul style="list-style-type: none"> Major Industries and their work structure Trade & Transport to Industries 	<ul style="list-style-type: none"> Impact of Covid 19 on Industrial Activities Impact of Covid 19 on Tourism Activities Alfred Weber's Theory of Industrial Location 	
33	Urban Geography	DSE 1022 F2	2020-21	<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 Concept of Garden City Case studies of Mumbai and Delhi with reference to land and urban issues Urban problems in Kolhapur City 	<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 Kolhapur City 	<ul style="list-style-type: none"> Site and Situation: Significance and Types Concept and Factors of Urbanization Patterns of Urbanization in developed and developing countries. Functional classification of cities
34	Political Geography,	DSE 1022 F3	2020-21	<ul style="list-style-type: none"> Concepts in Political Geography Krishna Water Dispute 	<ul style="list-style-type: none"> Krishna Water Dispute Ganga Water Dispute 	<ul style="list-style-type: none"> Concepts in Political Geography: State, Nation, Boundary, Frontiers



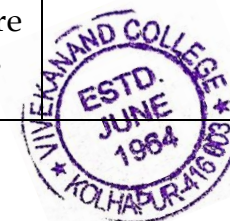
				<ul style="list-style-type: none"> Ganga Water Dispute Chandoli Dam Project: Issues of Relief, Compensation and Rehabilitation Indo-China border Issue 	<ul style="list-style-type: none"> Chandoli Dam Project: Issues of Relief, Compensation and Rehabilitation Indo-China border Issue 	<ul style="list-style-type: none"> Heartland Theories - H. J. Mackinder Rimland Theory - N. J. Spykeman
35	Fundamentals of Map Making and Map Interpretation	Practical Paper -I	2020-21	<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 	<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"> 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 b) Degree c) Per Cent d) Mills
36	Advanced Tools, Techniques and Field Work	Practical Paper -II	2020-21	<ul style="list-style-type: none"> Application of computer in geography- Line Graphs, Bar Graphs, f Pie Diagram and Scatter Diagram 	<ul style="list-style-type: none"> Application of computer in geography- Line Graphs, Bar Graphs, f Pie Diagram and Scatter Diagram Application of Remote Sensing in Geography 	<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 Remote Sensing in Geography • Identification of Physical and cultural features from Aerial Photographs or Satellite Imagery • Application of GIS in Geography: Land use or Land Cover, Urban Sprawl Analysis, Forests Monitoring • Exercise with Google Earth Program. • Surveying techniques 	<ul style="list-style-type: none"> • Identification of Physical and cultural features from Aerial Photographs or Satellite Imagery • Exercise with Google Earth Program. <p>Surveying</p>	
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BA I Geography under NEP (Introduced in 2023-24)

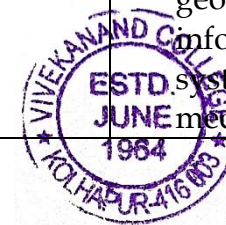
37	Physical Geography	DSC01GEO11	2023-24	Analyse the Geo-environmental Issues around the world.	Studying physical geography equips students with spatial analysis, environmental awareness, and problem-solving abilities. These skills are sought after in various professions, fostering	Approaches to the basic concepts of Physical Geography
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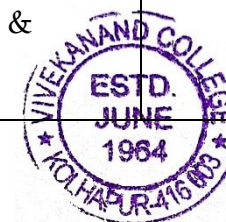
					adaptability and critical thinking, ultimately enhancing employability prospects.	
38	Introduction to Physical Geography	MIN01GEO11	2023-24	Practical (Only Theory) <ul style="list-style-type: none"> Introduction to GIS: Meaning, Definition, Elements & Application Introduction to GPS: Meaning, Definition, Elements & Application 	<ul style="list-style-type: none"> Introduction to GIS: Meaning, Definition, Elements & Application Introduction to GPS: Meaning, Definition, Elements & Application 	Studying physical geography equips students with spatial analysis, environmental awareness, and problem-solving abilities.
39	Human Geography	DSC01GEO21	2023-24	World Population & Migration <ul style="list-style-type: none"> Growth of Population in the World Factors Affecting the Distribution of World Population Migration: Causes, Types & consequences Human Settlements <ul style="list-style-type: none"> Factors affecting Rural Settlements Urbanization		Develop basic framework of Human geography



40	Introduction to Human Geography	MIN01GEO21	2023-24	World Population & Migration <ul style="list-style-type: none"> • Growth of Population in the World • Factors Affecting the Distribution of World Population • Migration: Causes, Types & consequences • Human Settlements • Factors affecting Rural Settlements Urbanization	<ul style="list-style-type: none"> • Practical -Google Earth • Application of Google Earth <ul style="list-style-type: none"> iii. Point, Line & Polygon iv. Gradient or Slope Calculation • Area Measuring 	<ul style="list-style-type: none"> • Develop basic framework of Human geography • Develop skills of making g Maps by applying GIS & GPS
41	Google Earth for Geoscience Teaching and Research	VSC01GEO11	2023-24	<ul style="list-style-type: none"> • Application of Google Earth: • The interface of Google Earth • Point, Line, Polygon 	<ul style="list-style-type: none"> • Importance of Google Earth in Geoscience Teaching and Research 	<ul style="list-style-type: none"> • map making and coordinate systems, issues regarding map scale and projections, • using maps, remote sensing, geographic information systems, maps as media, emerging



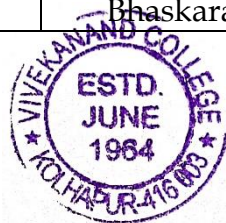
						digital mapping technologies, and <ul style="list-style-type: none"> • using internet mapping services
42	Introduction to QGIS	VSC01GEO21	2023-24	<ul style="list-style-type: none"> • The Interface of QGIS Software • Georeferencing of Toposheet /Map • Vectorization or digitization of Toposheet /Map-point, Line and polygon 	<ul style="list-style-type: none"> • Georeferencing of Toposheet /Map • Vectorization or digitization of Toposheet /Map-point, Line and polygon 	<ul style="list-style-type: none"> • Application and Importance of QGIS Software
43	Advanced Surveying Tool: GPS	SEC01 GEO11	2023-24	<ul style="list-style-type: none"> • Segments of GPS • Types and Importance of GPS Surveying • Data Collection with GPS • Export GPS Data to GIS Software • Drafting Map Layout 	<ul style="list-style-type: none"> • Segments of GPS • Types and Importance of GPS Surveying • Data Collection with GPS • Export GPS Data to GIS Software • Drafting Map Layout 	Advanced Surveying Tool : GPS
44	Computer Application in Geography	SEC01 GEO21	2023-24	<ul style="list-style-type: none"> • Hardware and Software • Introduction to MS Word, Excel & PowerPoint 	<ul style="list-style-type: none"> • Hardware and Software • Introduction to MS Word, Excel & PowerPoint 	Computer Application



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
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