Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- B.A. Semester - III

Subject:- Geography Course Title: Geography of Maharashtra

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	T-4-1	Module- I –	1.1 Physical Division of Maharashtra
Lectures	Practicals	Total	Maharashtra-	1.1.1 – Sahayadri Mountain Range-
16	-	16	Physical	1.1.2\- Plateau Region
			Structure	1.1.3 –Coastal Region
				1.2 Administrative Sections of Maharashtra
				State
			39	1.3 Geographical Significance of Maharashtra
				State
Month - Aug	ust		Module/Unit:	Sub-units planned
Lectures	Practicals	T-4-1	Module- II-	2.1 Maharashtra- Significance of Climate
Lectures	Practicals	Total	Maharashtra-	2.2 Maharashtra- Seasons, Summer season,
16	-	16	Climate and	Rainy season
			Drainage	Winter season
			System	2.3 Drainage System
			**	2.3.1 Godavari River
			19	2.3.2 Krishna River
				2.3.3BhimRiver
				2.3.4 Panchganga River
Month - Sept	ember		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III –	3.1 Maharashtra- Soil
Lectures	Practicals	Total	Maharashtra-	3.1.1 – Black Soil
16	-	16	Soil and	3.1.2 – Red Soil
	4	1	Natural	3.1.3- Laterite Soil
			Vegetation	3.1.4 – Aluvial Soil
			20110	3,2. Maharashtra- Natural Vegetation
-			200	13
Month - Octo			Module/Unit:	Sub-units planned
1	3A311	WE deal	Module- IV –	4.1 Maharashtra- Minerals
Lectures	Practicals	* MEGUE	Maharashtra-	/₄1.1 − Manganese
1797 MARTER 18	ייייים אונים אונים:	part.	Minerals and	4.1.2 – Iron Ore
1116117	A10.1 A00 20.0 - 5		Industries " A LIN	4.1.3- Bauxite
16	-	16	300.00	4.2 Maharashtra- Industries
				4.2.1 – Sugar Industry
				4.2.2 – Cotton Textile Industry

Name and Signature of Teacher



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DEPARTMENT OF GEOGRAPHY
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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- B.A. Semester – IV

Subject:- Geography Course Title: Hydrology

Month - Decemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Ground Basin & Basin Hydrology	IntroductionDistribution
16	=3	16		 Surface water resource Hydrological Characteristics Hydrological Cycle
Month - January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- Applied Geohydrology	 Ground water exploration, Water Pollution
16	-	16		Conservation and PlanningWatersheds and wetlands
Month - Februar	у		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – Ocean Basin	Origin and Evolution of Ocean basin
16	V -	16		 Topography of Ocean basin Bottom Relief – Pacific, Atlantic and Indian Ocean
Month - March			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Ocean Movement	> Waves > Tides
16	-	16		Oceanic CurrentOcean Current

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- B.A. Semester - III

Subject:-OEC - Geography Course Title: Geography of Tourism - I

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Resource Geography	IntroductionDefinition
8	# . E	8		 Nature Scope Historical Development Importance
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- Factors of Tourism	GeographicalSocial
8	-	8		CulturalOthers
Month - Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	and Trend of Tourism Tourism	Tourism
8	in age paid	8		> New Trends
Month - October	or inciding to a	Will to the	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Impact of Tourism	On Economic FactorOn Social and Cultural
8	-	8		Factors On Environment Sustainable Development

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- B.A. Semester - IV

Subject:- Geography Course Title: OEC Development and Planning of Tourism

Month - December			Module/Unit:	Sub-units planned
Lectures 8	Practicals -	Total 8	Module- I – Development And Planning Of Tourism In India	 1.1 Tourism in ancient period 1.2 Tourism in modern period 1.3 Role of tourism in national economy 1.4 Tourism planning in India
Month - January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- Tourism Centers In	2.1 Natural tourism centers in India
8	-	8	India	 2.2 Religious tourism centers in India 2.3 Cultural tourism centers in India Historical tourism centers in India
Month - February			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – Development And	 Development of tourism in Maharashtra
8	-	8	Planning Of Tourism In Maharashtra	3.2 Planning of tourism in Maharashtra
Month - March		- 3	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Recent Trends In	Historical tourism centers in Kolhapur A 2 Policious and cultural
-8	\	8	Tourism In Kolhapur District	 4.2 Religious and cultural tourism centers in Kolhapur 4.3 Agricultural and Medical tourism centers in Kolhapur

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- B.A. Semester – V

Subject:- Geography Course Title: Agricultural Geography

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Agricultural	IntroductionDefinition
8		8	Geography	 Nature Scope Importance Evaluation of Agriculture
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- Theories of Land Utilization	Classification of Agri. Systems
8	(m)	8	The state of the s	Major Agri.Systems in India
Month - Septembe	r		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – New Concepts in Modern Agricultural	 Agricultural regionalization
8		8	Practice	 Crop Combination, Crop Diversification
~ = 13		2 +11 ² 1 15 + 1		 Problems & Solutions Green Revolution, Organic Farming
Month - October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Important Agricultural Documents	> 7/12, 8A > Importance of Land
8	1 2	8	*	Revenue > Agri. News

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. G.S. Ubale

Subject: - Geography

Programme- B.A.III Geography Semester - VI

Course Title: Political Geography

Month –	November		Module/Unit: 1	Sub-units planned
Lectures	Practicasl	Total	Introduction to	1.Definition of Political Geography2 Nature of Political Geography
8	-	8	Political Geography	3 Scope of Political Geography4 Significance of Political Geography
Month -	December		Module/Unit: 2	Sub-units planned
Lectures	Practicals	Total		1 State
8	7	8	Concepts in Political Geography	2 Nation 3 Boundary 4 Frontiers
Month -	- January		Module/Unit: 3	Sub-units planned
Lectures	Practicals	Total		1 Heartland Theories H. J.
8	-	8	Theories in Political Geography	Mackinder. 2 Rimland Theorie N. J. Spykema
Month -	- February	-	Module/Unit: 4	Sub-units planned
Lectures	Practicals	Total	Resource	1 Krishna Water Dispute 2 Ganga Water Dispute
8	-	8	Dispute and Conflicts	3 Chandoli Dam Project: Issues of Relief, Compensation and Rehabilitation 4 Indo-China border Issue
Month	– March		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	119.45	Revision
8		8	1 con	

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- B.A. Semester - V

Subject:- Geography Course Title: Practical Geography I & II

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Scale	IntroductionDefinitionTypes
aur 49	32	32		> Importance
Month - August	1		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I- Introduction To scale	 Preparation of scale Conversion of
	32	32		scale > Graphical Scale
Month - Septemb	er	- 1	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Cartographic Techniques	> Importance > Types
	32	32	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Month - October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II— Cartographic Techniques	 One Dimensional Two Dimensional Three Dimension
	32	32		7 Thee Dimensiona

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- B.A. Semester - VI

Subject:- Geography Course Title: Practical Geography I & II

Month - December	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – Statistical	IntroductionData Types
50	32	32	Techniques	 Mean, Median, Mode Deviation Karl Pearsons Method
Month - January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – Statistical	IntroductionData Types
	32	32	Techniques	 Mean, Median, Mode Deviation Karl Pearsons Method
Month - February			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Project writing	Problem FindingProject Design
- result.	32	32		QuestionnaireSurveying
Month - March		-	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Tour Report	> Planning > Tour
<u> 22</u> 1	32	32		> Project

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- M.A. Semester – I

Subject:- Geography Course Title: Principles of Climatology

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Intro. To	Definition, Scope, NatureSignificance and Importance
8	-	8	Climatology	Earth AtmosphereHeat Balance
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Intro. To	 Definition, Scope, Nature Significance and Importance
8	11 12	8	Climatology	Earth AtmosphereHeat Balance
Month - Septemb	oer		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- Moisture in	HumidityInstability of Atmosphere
8	1 2 1	8	Atmosphere	CondensationPrecipatation
Month - October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- Moisture in	HumidityInstability of Atmosphere
8	-	8	Atmosphere	CondensationPrecipatation

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DEPARTMENT OF GEOGRAPHY

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- M.A. Semester – II

Subject:- Geography Course Title: Fundamentals and Applications of GIS and GPS

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Intro. To GIS	Definition, Scope, NatureDevelopment of GIS
8	-	8		 Significance and Importance
				Data- Raster and VectorTopology
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Intro. To GIS	Definition, Scope, NatureDevelopment of GIS
8	-	8	11110. 10 013	 Development of Grs Significance and Importance
		*		> Data- Raster and Vector
Month - September	er	31 -	Module/Unit:	➤ Topology Sub-units planned
Lectures	Practicals	Total	Module- II- GIS Analysis	 Spatial Analysis- Overlay and Buffer analysis
8	-	8		> Interpolation Techniques
				Dem, DTM, TINDBMS
Month - October	mt- sr		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- GIS Analysis	Spatial Analysis- Overlay and Buffer analysis
8	-	8		Interpolation TechniquesDem, DTM, TINDBMS

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- M.A. Semester - III

Subject:- Geography Course Title: Fundamentals of Photogrammetry, Remote Sensing and DIP

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Intro.	 Indexing of aerial Photographs Development of GIS
8		8	Photogrammetry	 Significance and Importance Data- Raster and Vector Topology
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Intro. To GIS	 Definition, Scope, Nature Development of GIS Significance and Importance
8	-	8	gen in a	Data- Raster and VectorTopology
Month - Septem	ber		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- GIS Analysis	> Spatial Analysis- Overlay and Buffer analysis
8	-	8		Interpolation TechniquesDem, DTM, TINDBMS
Month - October	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- GIS Analysis	 Spatial Analysis- Overlay and Buffer analysis
8	-	8		Interpolation TechniquesDem, DTM, TINDBMS

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DEPARTMENT OF GEOGRAPHY VIVEKANAND COLLEGE, KOLHAPOR (EMPOWERED AUTOMOMONS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Govardhan Subhash Ubale

Programme- M.A. Semester - IV

Subject:- Geography Course Title: Fundamentals of Photogrammetry, Remote Sensing and DIP

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I –	Indexing of aerial Photographs
0		9344 (00203)	Intro.	Development of GIS
8	-	8	Photogrammetry	Significance and Importance
				Data- Raster and Vector
				> Topology
Month - August	Month - August		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I –	> Definition, Scope, Nature
	Tacticals	1 Otal	Intro. To GIS	> Development of GIS
8	-	8		 Significance and Importance
			:	 Data- Raster and Vector
37				> Topology
Month - Septembe	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- GIS	 Spatial Analysis- Overlay and
	Tracticals	1 Otal	Analysis	Buffer analysis
8	-	8	1.5.	> Interpolation Techniques
				> Dem, DTM, TIN
				> DBMS
Month - October			Module/Unit:	Sub-units planned
Lectures	Practicals	T 1	Module- II- GIS	
Dectures	Fracticals	Total	Analysis	 Spatial Analysis- Overlay and Buffer analysis
			,	> Interpolation Techniques
8	-	8		interpolation recliniques
		_		> Dem, DTM, TIN
200			and the second s	> DBMS

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(EMPOWERED AUTONOMOUS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Subject:- Geography Course Title: Agricultural Geography

Month - January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Agricultural	IntroductionDefinition
8	-	8	Geography	 Nature Scope Importance Evaluation of Agriculture
Month - February			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II- Theories of Land Utilization	 Classification of Agri. Systems Major Agri. Systems in
8	8 = x	8		India
Month - March			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – New Concepts in Modern Agricultural	> Agricultural regionalization
8	-	8	Practice	 Crop Combination, Crop Diversification Problems & Solutions Green Revolution, Organic Farming
Month - April			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Important Agricultural Documents	> 7/12, 8A > Importance of Land
8	=	8		Revenue > Agri. News

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VIVEKANAND COLLEGE, KOLHAPTIK
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Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - I

Subject: - Geography Course Title: Physical Geography

Month – June-Jul	У		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II – Lithosphere	History of Evaluation of the Earth
8	•	8		The Earth Interior: Composition and Structure
Month – July-Au	gust		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II – Lithosphere	Wegener's Theory of Continental Drift
8	•	8		Plate Tectonic Theory
Month - August-September			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- IV – Practical (Theory only)	Introduction to GIS: Meaning, Definition,
8	-	8		Elements & Application
Month - Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- IV – Practical (Theory only)	GPS: Meaning, Elements &
8	-	8	e *	Applications
Month - Septem	ber- October		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module-II & IV	Revision
8.	-	-, 8	2 11	94

Name and Signature of Teacher

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - II

Subject:- Geography Course Title: Human Geography

Month - December	r		Module/Unit:	Sub-units planned	
Lectures	Practical	Total	Module- I – Human Races	Human Evolution: Stages & Processes	
8	-	8		 Human Race: Meaning, & Definition 	
Month - January			Module/Unit:	Sub-units planned	
Lectures	Practical	Total	Module- I – Human Races	The Bases of Racia Classification	
8	-	8	7 - 4	Major Racial Groups of the World	
Month - February			Module/Unit:	Sub-units planned	
Lectures	Practical	Total	Module- IV – Practical (Theory only)	Introduction to Google Earth	
8	-	8	1981	Marine Salty all Alegan	
Month - March			Module/Unit:	Sub-units planned	
Lectures	Practical	Total	Module- IV – Practical (Theory only)	Application of Google Earth	
8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8		i. Point, Line & Polygonii. Landscape: Area Measurement	
Month - April			Module/Unit:	Sub-units planned	
Lectures	Practical	Total	Revision of Module-II & IV	➤ Revision on Module - II	
8	-	8		➤ Revision on Modul - IV	

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DEPARTMENT OF GEOGRAPHY
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Department of Geography Academic Year - 2025-26 **Annual Teaching Plan**

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - III

Subject: - Geography Course Title: Soil Geography

Month - June-J	uly		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Introduction to	Definition and Scope of Soil Geography
16	-	16	Soil Geography	 History of Soil Geography and Paedology Approaches in Soil Geography Significance of Soil Geography
Month - July -A	ugust		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II- Soil: Formation & Properties	Soil as a resource Jenny's Factorial Model of
16	-	16		Soil Formation: Parent Material, Biotic, Climatic, Relief and Time factor Process of Soil Formation: Physical, Biotic and Chemical Properties of Soil: Physical & Chemical
Month - August-	-September		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- III – Soils: Classifications,	Genetic Classification of Soils Major Soils Distribution in
16	-	16	Distribution & Management	Maharashtra. Soil Degradation: Concept, Causes, consequences and Measures Soil Management: Need and Method
Month - Septemb	per		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- IV - Practical (Theory only)	Soil Profile Soil Sample: Tools
16	8	16		Soil Analysis Soil Mapping
Month - Septem	ber- October		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module-I, II, III & IV	Revision

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DEPARTMENT OF GEOGRAPHY VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Geography Academic Year - 2024-25

Annual Teaching Plan

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - IV

Subject: -Geography Course Title: Physical Geography of India - Major

Month - D	ecember		Module/Unit:	Sub-units planned
Lectures 16	Practical -	Total	Module- I – India Location, Extent and Boundaries	 Location of India: Absolute Location, Relative Location & Location in the context of hemisphere India Extent, Area & Boundaries – Indian States, Time Zone, Area, States with international boundaries
Month - Ja	nnuary		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II – Physiographic	 The Himalayas – geological formation, climate, vegetation, soil, biodiversity, physiographic divisions,
16	-	16	Divisions of India	 major passes, significance The Great North Indian Plains – Geological formation, physiographic divisions, climate, vegetation, soil, biodiversity, significance Peninsular Plateau – Geological formation, Central Highlands, Deccan Plateau, Western Ghats, Eastern Ghats Coastal plains – East Coast Plains, West Coast Plains Indian Islands – Andaman Nicobar Islands and Lakshadweep Islands
Month - F	ebruary	N. T.	Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- III- Major Drainage	 Himalayan rivers: Indus, Ganga, Brahmaputra etc. Peninsular rivers:
16	10 m	16	Systems	East flowing Rivers West Flowing Rivers - West flowing rivers from Sahyadri
Month - 1	March		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- IV- India - Climate	Planetary winds Factors Affecting Indian Climate
16		16		 Seasons in India: Summer, Rainy & Winter Indian Annual Distribution of Temperature
Month - April		Module/Unit:	Sub-units planned	
Lectures	Practical	Total	Module-I, II, III & IV	Revision

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DEPARTMENT OF GEOGRAPHY VIVEKAMAND COLLEGE, KOLHAPUR (EMPOMERED AUTONOMOUS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - V

Subject: -Geography Course Title: Practical -I: Basics of Map Making and SOI Map Interpretation

Month – J	une - July		Module/Unit:	I: Basics of Map Making and SOI Map Interpretation
Lectures	D		Module- I -	Sub-units planned
Lectures	Practical	Total	Introduction to	1.1 Scale
	30	20	Scales and	1.1.1 Meaning and Definition,
···	30	30		1.1.2 Methods of Representation of scale - Verbal Numerical
	1		Map	
				1.1.3 Scale Conversion
	1	1		1.1.4 Construction of Graphical Scale –
9	8		1	1) Simple (Plane Scale)
	U 8			ii) Time and Distance Scale
	1			iii) Diagonal Scale
				1.2 Map
	l l			1.2.1 Map – Definition, Elements
				1.2.2 Classification of Maps: Based on Scale and Purpose
Month - 1	uly-Augus	-		1.2.4 Significance and uses of Maps
	uly -ragus	l-	Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II -	2.1 Definition, Classification of Projections:
	- inoticui	Total	Map	a) Based on the methods of Construction B
-	30	30	Projection	a) Based on the methods of Construction: Perspective and Non-perspective
				b) Based on Developable Surface used: Conical,
52				Cylindrical, Zenithal, Conventional.
	1			c) Based on Position of Tangent Surfaces: Polar,
			1	Equatorial (normal), Oblique.
1				d) Based on Position of view point or light: Gnomonic,
1				Stereographic, Orthographic
- 1		8		e) Based on Preserved qualities:
	8			i) Equal area projection (Homolographic)
1				ii) Orthographic Projection
	1			iii) Azumuthal Projection (True Bearing Projection)
	ll l			2.2 Graphical Construction of the following Projections with
2				Properties and Use:
				i) Zenithal Polar Gnomonic Projection
		-		ii) Zenithal Polar Equal Area Projection
				iii) Cylindrical projection
				iv) Simple Conical Projection with one standard
				v) Mercator's Projection and Reference to Universal Transverse
				Trojection
Month - S	September		Module/Unit:	Sub-units planned
Lanturas	Dragtical	Total	Module- III-	1.1 Slope and Gradient
Lectures	Practical	Total	Slope, Relief	1.1.1 Types of Slopes: Gentle, Steep, Even, Uneven, Convex,
-	30	30	Features and	
-	50	50	Profile	1.1.2 Methods of Relief Representation
			Analysis	I. Qualitative: - Hachures, Itili . 1
			and which spread at the board of	ii. Quantitative: - Contours, Form lines, Spot Heights,
	1			Bench Marks, Triangulation Mark, Relative Heights,
				Compression of Slopes; a) (tradient b) De-
			1	d) Mills
				1.1.3 Representation of Relief by Contours: Hill, Mountain, Ridge, Cliff, Saddle, Plateau, Knoll, Sans Hill, Mountain,
				Ridge, Cliff, Saddle, Plateau, Knoll, Spur, Col or Pass, Volcanic Col or Crater, Gorge, 'V' Shaped Valley, Waterfall,

Month - C Lectures	Practical 30	Total 30	Module/Unit: Module- IV- Topographical Maps	'U' Shaped Valley, Cirque, Hanging Valley, Ria Coast, Fiord Coast, Sea cliff. 1.2 Profiles 1.2.1 Superimposed Profile 1.2.2 Composite Profile 1.2.3 Projected Profile 1.2.4 Longitudinal Profile Sub-units planned 4.1 Development of Survey of India 4.2 Types or Indexing of S.O.I. Topographical Maps 4.3 Signs, Symbols and Colors used in SOI Toposheet 4.4 Interpretation of S.O.I.'s Topographical Map (Mountain, Plateau and Plain) Thumb prismatic a) Marginal Information b) Physical aspects: Relief, Drainage and Vegetation c) Cultural aspects: Settlements, Transportation and Communication, Irrigation. d) Land Use
Lectures	200		Module/Unit:	Sub-units planned
Decidies	Practical	Total	Module-I, II, III & IV	Revision

Name and Signature of Teacher

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HEAD DEPARTMENT OF GEOGRAPH) VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - VI

Subject: - Geography Course Title: Economic Geography

Month - June - Jul	y		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Introduction to	1.1 Meaning of Economic Geography 1.2 Scope of Economic Geography
16	<u>.</u>	16	Economic Geography	1.3 Branches of Economic Geography 1.4 Approaches to the study and Recentrends in Economic Geography
Month - July - Aug	gust		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II – Energy Resources	2.1 Meaning & Concept of Resources 2.2 Classification of Energy resources:
16		16		Renewable & Non-renewable 2.3 Natural Resources Management (Coal, oil, natural, gas, Nuclear energy)
Month - August- S	September		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- III- Sectors of Economy	3.1 Factors of location of economic activities: physical, economic, social
16	-	16		and cultural 3.2 Sectors of economy: primary, secondary and tertiary 3.3 Major primary economic activitie
Month Castania	0.11			Significance and world types
Month – September	Practical	Total	Module/Unit: Module- IV-	Sub-units planned 4.1 Theories of industrial location:
16		16	Industrial Location, Transport & Trade	Weber and Losch 1.2 Significance transport 1.3 Modes of transport 4.5 Major trading organizations and trading blocks: WTO, OPEC, ASEAN, SAARC, EFTA, LAFTA, EU, G20,
Month - October		Madala (III)	DICICKS etc	
Month - October			Module/Unit: Revision on Module	Sub-units planned
Lectures	Practical	Total	-I to IV	Revision on all Modules
. 16	-	16	Exam	

Name and Signature of Teacher

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Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - VI

Subject: - Geography Course Title: Urban Geography

Month - December	-January		Module/Unit:	Sub-units planned
Lectures 16	Practical -	Total 16	Module- I – Introduction to Urban Geography	1.1 Urban Geography: Meaning and Definitions 1.2 Nature and Scope of Urban Geography 1.3 Approaches of Urban Geography 1.4 Significance of Urban Geography
Month – January-F	ebruary		Module/Unit:	Sub-units planned
Lectures 16	Lectures Practical Total		Module- II- Urbanization	2.1 Site and Situation: Significance and Types 2.2 Concept and Factors of Urbanization
				2.3 Patterns of Urbanization in developed and developing countries. 2.4 Functional classification of cities (Quantitative and Qualitative).
Month - February	-March		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- III- Structure and	3.1 Concept of Structure and Morphology 3.2 Concept of City Region and
16	-	16	Morphology of Urban Centers	C.B.D. 3.3 Rural-Urban Fringes 3.4 Models of Town Morphology: The concentric Zone Theory, The Sector Theory and the Multi-Nuclei Theory.
Month - March-A	pril		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- IV- Urban Problems and Issues	4.1 Urban Issues: problems of housing, slums, civic amenities (water and transport)
16	•	16		4.2 Concept of Garden City 4.3 Metropolitan Issues: Delhi and Mumbai Urban problems in Kolhapur City
Month - April			Module/Unit:	Sub-units planned
Lectures	- 1 T T		Revision on Module – I to IV	Revision on all Modules
16	(-)	16	Exam	

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Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Shubhangi Suresh Kale

Programme- B.A. Semester - V

Subject: -Geography Course Title: Practical -III: Advanced Tools, Techniques in Geography

Month - I	December		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Introduction to	1.1: Computer Fundamentals: Definition, Structure, Characteristic: Hardware & Software.
-	30	30	Computer	 1.2: Application of computer in geography 1.2.1: Construction of Line Graphs, Bar Graphs 1.2.2: Construction of Pie Diagram and Scatter Diagram. 1.3: Significance and application of Internet in Geographical Studies
Month - J	anuary		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II – Remote	2.1 Definitions of Remote Sensing. 2.2 Fundamentals of Remote Sensing: EMR, Sensors and
-	30	30	Sensing	Platforms. 2.3 Application of Remote Sensing in Geography. 2.4 Aerial photographs and Satellite imagery: Definition, types and difference between them. 2.5 Elements of Image Interpretation 2.6 Determination of Photo Scale. 2.7 Identification of Physical and cultural features from Aerial Photographs or Satellite Imagery.
Month - 1	February		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- III- Géographical	3.1 Geographical Information System (GIS) 3.1.1 Definition and components
	30	30	Information System (GIS)	 3.1.2 GIS Data Structure: Types (spatial and non-spatial), Raster and Vector data 3.1.3 Georeferencing, Digitization, Map Layout Preparation 3.1.4 Application of GIS in Geography: Land use or Land Cover, Urban Sprawl Analysis, Forests Monitoring
Month - N	March		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- IV- Global	4.1 Global Navigation Satellite System (Global Positioning System)
-	30	30	Positioning System (GPS) Field Work	 4.2. Definition and components 4.3 Application of GPS in Geography 4.4 Field work in GPS: Determining latitude, longitude and altitude 4.5 Exercise with Google earth Program.
Month -	April		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module-I, II, III & IV	Revision

Name and Signature of Teacher

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Department of Geography Academic Year – 2025-26 **Annual Teaching Plan**

Name of the teacher: Dr. Nisha Ashish Surve

 $Programme-\ B.A.\quad Semester-I$

Subject:- Geography Course Title: Major- Physical Geography

Month – July			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Physical Geography	1.1 Meaning & Definitions of Physical Geography
08	-	08		1.2 Scope of Physical Geography
Month – August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Physical Geography	1.3 Branches of Physical Geography
08	-	08		1.4 Importance of Physical Geography
Month – Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Practical (Only Theory)	4.1 Introduction to GIS: Meaning, Definition,
08	-	08		Elements & Application
Month – October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Practical (Only Theory)	4.2 GPS: Meaning, Elements &
08	-	08		Applications

Name and Signature of Teacher

(Dr. G. S. Ubale) Head DEPARTMENT OF GEOGRAPHY VI EKANAND COLLEGE.

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Department of Geography Academic Year – 2025-26 Annual Teaching Plan

Name of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – I

Subject:- Geography Course Title: IKS- Ancient Indian Geographical Thought

Month – July			Month – July	Month – July
Lectures 8	Lectures 8	Lect ures 8	Module- I Introduction to Ancient Geography	Ancient Geography with special reference to space & Remote Sensing
Month - August			Month - August	Month - August
Lectures	Lectures	Lect ures	Module- I – Prominent Indian	
8	8	8	Geographers	Geographical Contribution of Valmiki
Month - September	er		Month - September	Month - September
Lectures	Lectures	Lect ures	Module- II – Prominent Indian Geographers	Geographical Contribution of Aryabhatta Geographical Contribution of
8	8	8	Geographers	Varahmihira
Month - October			Month - October	Month - October
Lectures	Lectures	Lect ures	Module- II – Prominent Indian Geographers	Geographical Contribution of Bhaskaracharya
8	8	8	Geographers	Dilaskai aciiai ya

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Name and Signature of Teacher

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(Dr. G. S. Ubale)

Head DEPARTMENT OF GEOGRAPHY VI. EKANAND COLLEGE. KOLHAPUR.

Department of Geography Academic Year – 2025-26

Annual Teaching PlanName of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – III

Subject:- Geography Course Title: Minor- Environment Geography

Month – July			Month – July	Month – July
Lectures 08	Lectures -	Lectures 08	Module- I Introduction to Environment Geography	1.1 Definition, Nature and Scope of Environment Geography
Month – August			Month – August	Month – August
Lectures 08	Lectures -	Lectures 08	Module- I – Introduction to Environment Geography	1.2 Approaches in Environment Geography 1.3 Importance of Environment Geography
Month – Septem	ber	l	Month – September	Month – September
Lectures	Lectures	Lectures	Module- II – Ecosystem	2.1 Meaning, concept and
08	-	08		definition of ecosystem. 2.2 Structure (Biotic and Abiotic factors) and food chain,
Month – October		Month – October	Month – October	
Lectures	Lectures	Lectures	Module- II — Ecosystem	2.2 Tropic Level, food web, energy flow
08	-	08		2.3 Types of ecosystem

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Department of Geography Academic Year – 2025-26

Annual Teaching PlanName of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – III

Subject:- Geography Course Title: VSC – Watershed Management

Month – July			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II – Introduction to	1.1 Fundamentals of Watershed Management
8	0	8	Watershed Management	1.2 Watershed Characteristics and Processes
Month - August		I	Module/Unit:	
Lectures	Practical	Total	Module- II – Introduction to	1.3 Watershed Degradation and Challenges
8	0	8	Watershed Management	1.4 Role of RS and GIS in Watershed Assessment and Monitoring
Month - Septemb	er		Module/Unit:	
Lectures	Practicals	Total	Module- II – Watershed Management Practices	2.1 Role of Local Communities in Watershed
8	0	8		Management
Month - October			Module/Unit:	
Lectures	Practicals	Total	Module- IV – Watershed Management Practices	2.2 Watershed Management Techniques- Check Dams,
8	0	8		Contour Bunding, and Terracing

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Department of Geography Academic Year – 2025-26

Annual Teaching PlanName of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – VI Subject:- Geography Course Title: **OJT**

Month – July			Month – July	Sub-units planned
Lectures 4	Lectures -	Total 4	Module- II – Introduction to OJT program structure	1.1 Students understand OJT purpose, rules, and safety measures
Month - August			Month - August	Sub-units planned
Lectures 4	Lectures -	Total 4	Module- II – Introduction to OJT program structure	1.2 Improved communication and jobreadiness
Month - Septemb	er		Month - September	Sub-units planned
Lectures	Lectures	Total	Module- II – Manufacturing	1.3 Gain industry-specific skills; understand workflow
4	-	4	Activities	
Month - October			Month - October	Sub-units planned
Lectures	Lectures	Total	Module- IV – EconomicActivitie	1.4 Identify strengths, weaknesses, and areas
4	-	4		for improvement

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Department of Geography Academic Year – 2025-26 **Annual Teaching Plan**

Name of the teacher: **Dr. Nisha Ashish Surve**

 $Programme-\ B.A.\quad Semester-\ II$

Subject:- Geography Course Title: Major- Human Geography

Month – December	er		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- III Nature of the	3.1 World Population
	Tractical		World Population &	Growth
08	-	08	Migration	3.2 Factors Affecting on
				the Distribution of
				the World
				Population
Month – January		1	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – Nature of	3.3 Malthus Theory of
Lectures	Tracticals	Total	the World Population &	Population Growth
08	-	08	Migration	
Month – February	7	1	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – Nature of the	3.4 Concepts: Over,
Lectures	Tracticals	1 Otal	World Population &	Under & Optimum
08	-	08	Migration	population 3.5
				Migration: Causes,
Month – March			Module/Unit:	Types & Consequences
Month – March		I		Sub-units planned
Lectures	Practicals	Total	Module-IV – Practical	4.1 Introduction to Google
			(Theory Only)	Earth
08		08		
08	-	08		
Month – April			Module/Unit:	Sub-units planned
_	Practicals		Module- IV –Practical	4.2 Application of Google
Lectures	Fracticals	Total	(Theory Only)	Earth i. Point, Line &
				Polygon ii. Landscape: Area
				Measurement
08	-	08		

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Department of Geography Academic Year – 2025-26 Annual Teaching Plan

Name of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – II

Subject:- Geography Course Title: VSC1- Application of Google Earth

Month – December	er		Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Introduction to Google Earth	1.1 History of Google Earth map
08	-	08		
Month – January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Google Earth	1.2 Difference between Traditional map and
08	-	08		Google Earth map
Month – February	7	I.	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Introduction to Google Earth	1.3 Importance of Google Earth in
08	-	08		Research
Month – March		ı	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Application of Google Earth: Practical	2.1 The interface of Google Earth 2.2 Application of
08	-	08		Google Earth
Month – April			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II –Application of Google Earth: Practical	2.3 Point, Line, Polygon
08	-	08		

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Head DEPARTMENT OF GEOGRAPHY VI. EKANAND COLLEGE. KOLHAPUR.

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – IV

Subject:- Geography Course Title: Minor- Oceanography

Month – December	er		Module/Unit:	Sub-units planned
Lectures	Practica 1	Total	Module- I – Major Ocean	3.1 Pacific Ocean
08	-	08		3.2 Atlantic Ocean
Month – January			Module/Unit:	Sub-units planned
Lectures	Practica ls	Total	Module- I – Major Ocean	3.3 Arctic Ocean
08	-	08		3.4 Indian Ocean
Month – February	I		Module/Unit:	Sub-units planned
Lectures	Practica ls	Total	Module- II – Movements of Ocean water	4.1 Waves- Formation and Types
08	-	08		4.2 Tides- Concept and Types
Month – March			Module/Unit:	Sub-units planned
Lectures	Practica ls	Total	Module- II – Movements of Ocean water	4.3 Ocean Currents- Types and Their Effects
08	-	08		and Then Effects
Month – April			Module/Unit:	Sub-units planned
Lectures	Practicals	Total		4.4 El- Nino and La-Nina Phenomenon and its impact on Indian Mansoon
08	-	08		

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Department of Geography Academic Year – 2025-26

Annual Teaching PlanName of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – IV

Subject:- Geography Course Title: VSC – Disaster Management

Month – December	er		Module/Unit:	Sub-units planned
Lectures 08	Practical	Total 08	Module- I – Introduction to Disaster Management	1.1 Introduction to Disaster Management
Month – January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Disaster Management	1.2 Types of disasters:
08	-	08		A)Natural,
Month – February	,		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Disaster Management	1.2 Types of disasters:
08	-	08		B)Technological, C) Human-made
Month – March			Module/Unit:	Sub-units planned
Lectures	Practicals	Total		2.1 Risk Assessment Techniques
08	-	08	Tools	
Month – April			Module/Unit:	Sub-units planned
Lectures	Practicals	T-4-1	Assessment and Geospatial	2.2 Introduction to geospatial tools in disaster management
08	-	08		

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Department of Geography Academic Year – 2025-26

Annual Teaching PlanName of the teacher: Dr. Nisha Ashish Surve

Programme- B.A. Semester – VI

Subject:- Geography Course Title: Project

Month – December			Module/Unit:	Sub-units planned	
Month – Decembe	er				
Lectures	Practical	Total	Module- I – Introduction & Literature Review &	Purpose & scope of project work	
4	-	4	Proposal Writing	- Types of research in	
				geography (descriptive,	
				analytical, applied)	
				- Selection of research	
				topic	
Month – January			Module/Unit:	Sub-units planned	
T 4	D (1 .	T-4-1	Module- I – Introduction &	- How to review	
Lectures	Practicals	Total	Literature Review &	literature	
4	_	4	Proposal Writing	 Identifying research 	
				gaps	
				 Writing a project 	
				proposal (Title,	
				Objectives, Hypothesis,	
				Methodology)	
Month – February	1		Module/Unit:	Sub-units planned	
T4	D (1 .	T-4-1	Module- II – Data	Primary data collection	
Lectures	Practicals	Total	Collection – Field Work	in the field	
4	-	4		- Secondary data from	
				government records,	
				census, satellite images	
Month – March			Module/Unit:	Sub-units planned	
Lastrones	Dwo oti sala	Total	Module- II – Data	- Tabulation, coding, and	
Lectures	Practicals	Total	Collection – Field Work	classification	
				- Use of statistical tools	
4	-	4		(Excel, SPSS, GIS)	
Month – April			Module/Unit:	Sub-units planned	
I (Practicals	T-4-1	Module- II – Data Collection	Draft Report Preparation	
Lectures	Tracticals	Total		Finalization of Report	
				- Incorporating feedback	
				- Proofreading and editing	
,	_				
4	-	4			



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Department of Geography Academic Year – 2025-26 Annual Teaching Plan

Name of the teacher: Dr. Nisha Ashish Surve

Programme- M.A. Semester – I

Subject:- Geography Course Title: Principles of Geomorphology

Month – July			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- III – Processes and Landforms	3.1 Fluvial Geomorphic system: processes and
08	-	08		resulting landforms 3.2 Glacial Geomorphic system: geomorphic processes
M 1 - A			M - 4-1- /I I - 4	and features
Month – August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III – Processes and	3.3 Karst landscape: development and processes
08	-	08	Landforms	3.4 Acolian Geomorphic system: processes and landforms 3.5 Coastal Geomorphie system: processes and
				landforms
Month – Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Landscape evolution	4.1 Landscape evolution - Davisian Model of Cycle of
08	-	08	models	Erosion, Peuck's Morphological System
Month – October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV – Landscape evolution	4.2 Slope development and related theories
08	-	08	models	

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Department of Geography Academic Year – 2025-26 **Annual Teaching Plan**

Name of the teacher: Dr. Nisha Ashish Surve

Programme- M.A. Semester – III

Subject:- Geography Course Title: Oceanography

Month – July			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- II – Geological Features of the Ocean	Ocean floor topography: Continental shelf, slope, and
16	-	16	Floor	rise, Submarine channels and
				canyons, Hills, ridges, and trenches, Abyssal plains
Month – August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II –	Bottom relief of: Pacific
Dectares	Tracticals	Total	Geological Features of	Ocean, Atlantic Ocean,
16	-	16	the Ocean Floor	Indian Ocean
Month – Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV –	Biological productivity in
Lectures	Tracticals	Total	Biological	oceans, Coral reefs: origin,
16	-	16	Oceanography, Ocean Resources &	growth, and distribution, Ocean deposits: origin,
			Environmental Issues	types (terrigenous,
			Liiviroimientai issaes	biogenous, hydrogenous),
				and distribution,
Month – October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- IV –	Sea level changes and their
Lectures	Tacticals	1 Otal	Biological	causes, Marine resources:
16		16	Oceanography, Ocean	renewable and non-renewable,
10		10	Resources & Environmental Issues	Oceanic regions and marine
			Environmental issues	biodiversity, Marine pollution: types, causes, and impacts.
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Department of Geography Academic Year – 2025-26 Annual Teaching Plan

Name of the teacher: Dr. Nisha Ashish Surve

Programme- P. G. D. in Geoinformatics/ M.Sc Geoinformatics. Semester $-\,I$

Subject:- Geography Course Title: Fundamentals of Remote Sensing & Photogrammetry

Month – July			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Platform, Sensors and Data	Platform and Sensors, Orbits, Types of Sensors,
16	-	16	Products	
Month – August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Platform, Sensors and Data	Fundamentals of Radiometry. Data Products
16	-	16	Products	and RS data errors
Month – Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Stereo and Digital	Stereo Photogrammetry: Introduction, orientation of
16		1.0	Photogrammetry	serial photographs -inner,
16	-	16		relative, absolute
				orientation, Collinearity
				and Coplanarity
				conditions, Concept of
M 1 0 1			N. 1.1 (T. 1.)	Rotation Matrix.
Month – October		I	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Stereo and	Digital Photogrammetry:
	-		Digital	Concept and Techniques of
16	-	16	Photogrammetry	Digital Photogrammetry, Data Generation and
10		10		Research Application of
				Certosat-1 Data, Lidar-
				ultimeter

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(Dr. G. S. Ubale) Head

DEPARTMENT OF GEOGRAPHY
VI 'EKANAND COLLEGE.
KOLHAPUR.

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Program- B.Com. Semester - I

Subject: - Geography Course Title: Science Technology and Development (STD)

Teaching and Research

Month – July	,		Module/Unit:	Sub-units planned		
Lectures	Practical -	Total	Module- I – Introduction to Science and Technology	 Science and Technology: Definition, Nature, scope Fundamental Concept in Scientific Thinking Stages in the Study of Science: Observation, Experiment, Analysis, Result and Hypotheses Impact of Science and Technology on Society Science and Superstitions Development of Science and Technology 		
Month - Au	gust		Module/Unit:	Sub-units planned		
Lectures	Practicals	Total	Module- II – Contribution of Eminent Scientists in the	NewtonEinsteinEdison		
16	-	16	Development of Science and Technology	 Dr. Homi Bhabha Dr. M. S. Swaminathan Dr. A. P. J. Abdul Kalam 		
Month - September		Module/Unit:	Sub-units planned			
Lectures	Practicals	Total		 Impact of Science and Technology on Human Health 		
16	1.0	16	Module- III – Science Technology & Human Health	 Human Blood: Blood Groups, Importance of Matching Blood Groups in Human Health Diet: Need of Balance Diet Covid 19: Causes, Effects, Treatment, Social Outlooks Addiction a Social Problem, Types, Causes, Effects & Solution 		
Month - October		Module/Unit:	Sub-units planned			
Lectures	Practicals	Total	Module- IV – Non- Conventional Power	 Importance of Power Recourses Types of Power recourses Non- Conventional Power Recourses 		
16		16	Recourses of India	 Solar Energy, Wind Energy, Nuclear Energy Bio Energy, Geo- thermal Energy, Tidal Energy Carbon Credits 		

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)

ESTD JUNE 1964

Name and Signature of HOD

HEAD

DEPARTMENT OF GEOGRAPHY
VIVEKARAND COLLEGE, KOLHAPTI
(FMPOWERED AUTONOMOUS)



Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Program- B.Com. Semester - II

Subject: - Geography Course Title: Science Technology and Development (STD)

Month - July	y		Module/Unit:	Sub-units planned	
Lectures	Practical	Total		IntroductionDefinition	
16	-	16	Module- I Disaster Management	 Management Classification Elements of Disaster 	
Month - Au	igust		Module/Unit:	Sub-units planned	
Lectures	Practicals	Total	Module- II- Means of	 History of Communication Information Tech. 	
16	-	16	Communication and Information Technology	Computer NetworkInternetGIS, GPS	
Month - Sep	otember		Module/Unit:	Sub-units planned	
Lectures	Practicals	Total		Irrigation Tech.Fertilizers	
16		16	Module- III – Science, Technology & Agriculture	> HYV > Plant Protection > Green Revolution > Tissue Culture	
Month - October			Module/Unit:	Sub-units planned	
Lectures Practicals Total		Module- IV – ScienceTech,	> Satellite era > Rocket Tech.		
16	-	16	Space and Ocean research	Indian Space Prog.INO- Ocean Studies	

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)

ESTD JUNE 1964

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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Programme- B.A.II Semester - III

Subject:- Geography Course Title: SEC- Computer Application in Geography

Month - July			Module/Unit:	Sub-units planned	
Lectures 8	Practical -	Total 8	Module- I – Introduction to Computer	 History and Generations of Computer Hardware 	
Month – August	:		Module/Unit:	Sub-units planned	
Lectures			Module- I – Introduction to Computer	SoftwareCharacteristics of	
8	-	8	e	computers > Importance of Computer	
Month - Septem	nber		Module/Unit:	Sub-units planned	
Lectures			Module- II – Application of	MemoryIntroduction to MS	
8		8	MS Office	Word ➤ Introduction to MS Excel	
Month – October			Module/Unit:		
Lectures Practicals Total		Module- II – Application of MS Office	> Introduction to MS PowerPoint		
8	-	8			

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)



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DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPOR
(EMPOWERED AUTONOMOUS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Programme- B.A.II Semester - III

Subject:- Geography Course Title: Geography of Environment (Minor)

Month - July			Module/Unit:	Sub-units planned
Lectures	Practical	Total Module- I - Biodiversity and its conservation		Concept of biodiversity
8	-	8		Biodiversity region and hotspots in India
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Biodiversity and its conservation	 Significance of biodiversity
8	-	8	,	Conservation of biodiversity
Month - Septem	ber		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Environmental	Concept of PollutionAir pollution-Causes,
8	-	8	Pollution	effects and control measures
Month - Octobe	r		Module/Unit:	
Lectures	Practicals	Total	Module- II – Environmental Pollution	 Water pollution- Causes, effects and
8	-	8	4	control measures Soil pollution- Causes, effects and control measures

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)

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DEPARTMENT OF GEOGRAPHY
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Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Programme- B.A.III Semester – IV Subject:- Geography Course Title: OJT

Month -	- November		Module/Unit: 1	Sub-units planned	
Lectures	Practicals	Total	Joining Report	Students are expected to join for their on job training with prior intimation to the department. They are	
-	8	8	of On Job Training:	expected to carry out work under the guidance of job supervisor.	
Month	-December		Module/Unit: 1	Sub-units planned	
Lectures	Practicals	Total	Joining Report	Students are expected to join for their on job training with prior intimation to the department. They are	
	8	8	of On Job Training:	expected to carry out work under the guidance of supervisor.	
Mont	h – January		Module/Unit: 1	Sub-units planned	
AV 1000 000 000 000 000		Total	On Job Training	Student can join any institution/ corporation/ industry a per their choice but within the scope of the subject area.	
-	8	8	Placement:	per their choice but within the scope of the subject at	
Month	h – February		Module/Unit: 2	Sub-units planned	
Lectures	Practicals	Total	On Job Training	Student can join any institution/ corporation/ industry as per their choice but within the scope of the subject area.	
	8	8	Placement:	per their choice out within the scope of the subject area.	
Month ←March		Module/Unit:	Sub-units planned		
Lectures	Practicals	Total	1 and 2	Revision	
-	8	8		KOVISION	

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)

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EPARTMENT OF GEOGRAPHY
AVEKANAND COLLEGE, KOLHAPER
(EMPOWERED AUTONOMOUS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Programme- M.A. Semester - I

Subject:- Geography Course Title: Principles of Climatology

Month - July			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Introduction to Climatology	 Significance of Climatology
8	-	8		 Modern Climatological studies Origin and evolution of the
) (Land to the same of the same o	earth's atmosphere
Month – August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Climatology	 Structure and Composition of
8	-	8		Atmosphere Insolation, Heat Budget of the Earth and Atmosphere
Month – Septem	ber		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Motion in the	> Air Pressure > Pressure
8	-	8	Atmosphere	measurement and distribution Factors affecting wind, Pressure belts
Month - October	r		Module/Unit:	
Lectures	Practicals	Total	Module- II – Motion in the Atmosphere	 Classification of Wind
8	-	8		 Planetary winds, Monsoon and Local winds Types of Air Masses

Name and Signature of Teacher

(Dr. Siddharth Somnath Ghoderao)

ESTD JUNE 1964 *

Name and Signature of HOD

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DEPARTMENT OF GEOGRAPHY

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Vivekanand College, Kolhapur (Autonomous) Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Programme- M.A. Semester - II

Subject:- Geography Course Title: Climate Change and Disaster Management

Month – July			Module/Unit:	Sub-units planned
Lectures 8	Practical -	Total 8	Module- I – Global Climate Change Issues and Impacts	 History and relevance of climate change studies; Role and impact of climate on human being, soils and agriculture. Global climatic regions Climatic classification of Koppen and Thornthwaite World pattern of temperature and Precipitation
Month – August			Module/Unit:	Sub mite I
Lectures	Practicals	Total	Module-I – Global Climate Change Issues and Impacts	Sub-units planned Causes, impacts and society's response to change in air quality
Month Seets I	-	8		 and atmospheric pollution Causes and impacts of greenhouse gas (GHGs) emission ozone layer depletion acid rain El-nino and southern oscillation (ENSO)
Month – Septemb	er		Module/Unit:	Sub-units planned
Lectures 8	Practicals	Total 8	Module- III – Natural Hazards and Disasters	 Meaning and types of hazards and disasters Causes and impacts of natural
M				and man-made disasters
Month – October			Module/Unit:	
Lectures	Practicals	Total	Module- III – Natural Hazards and Disasters	(earthquake, volcanic eruption, landslides, avalanches, cyclones,
8	-	8		floods, droughts, tsunamis, forest fire, nuclear, biological and chemical disasters Disaster exposure and vulnerabilities in Maharashtra, India and the world.

Name and Signature of Teacher

(Dr. Siddharth Somnath Ghoderao)



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DEPARTMENT OF GEOGRAPHY
STVERANAND COLLEGE, KOLHAPSTS
(EMPOWERFD AUTONOMORIES)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Programme- Post Graduate Diploma in Geoinformatics Semester - I

Subject:- Geography Course Title: Fundamentals of Remote Sensing and Photogrammetry

Month - July			Module/Unit:	Sub-units planned
Lectures	Practical	Total	Module- I – Introduction to Remote Sensing	 Introduction Definition Development Overview of Remote Sensing
8	-	8		System Electromagnetic radiation (EMR) Theories of EMR
Month – August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Remote Sensing	 Laws of Radiation EM Spectrum Sources of EMR
8	-	8		Interaction of EMR with earth & atmosphere
Month - Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Basics of	Photogrammetry: Basic aerial Photography
8	-	8	Photogrammetry	 Basic geometry of aerial photograph central and orthographic projections
Month - October			Module/Unit:	3
Lectures	Practicals	Total	Module- II – Basics of Photogrammetry	difference between map and aerial photograph
8	-	8		 Types of aerial photographs Aerial Photo and Image Interpretation Elements of visual interpretation for aerial photos and satellite imageries

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)



Signature of HOD

(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (Autonomous)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Siddharth Somnath Ghoderao

Programme- M.Sc. Semester - I

Subject:- Geography Course Title: Fundamentals of Remote Sensing and Photogrammetry

Month - July			Module/Unit:	Sub-units planned
Lectures 8	Practical -	Total 8	Module- I – Introduction to Remote Sensing	 Introduction Definition Development Overview of Remote Sensing System
				Electromagnetic radiation (EMR)Theories of EMR
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I – Introduction to Remote Sensing	➤ Laws of Radiation➤ EM Spectrum
8	-	8		 Sources of EMR Interaction of EMR with earth & atmosphere
Month - Septem	ber		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- II – Basics of	 Photogrammetry: Basic aerial Photography
8	-	8	Photogrammetry	 Basic geometry of aerial photograph central and orthographic projections
Month - Octobe	r		Module/Unit:	
Lectures	Practicals	Total	Module- II – Basics of Photogrammetry	 difference between map and aerial photograph
8	-	8		 Types of aerial photographs Aerial Photo and Image Interpretation Elements of visual interpretation for aerial photos and satellite imageries

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)

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LEPARTMENT OF GEOGRAPHI
VIVEKANAND COLLEGE, KOLMAPOR
(EMPOWERED AUTOMOMDES)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

B.A- I Semester: I & II Department: Geography

Subject: STD (Paper No- I & II) Course Title: Science Technology Development - I and II

Name of the teacher: Dr. V. J. Palkar

Month - J	une 2025		Module/Unit: 1	Sub-units planned		
Lectures	Practical Total 8 - 8		I – Introduction to	A) Definition ,Nature ,Scope B) Importance of Science C) Science and superstition		
8			Science Tech.			
Month Ju	ly 2025		Module/Unit: 2	Sub-units planned		
Lectures	practical	Total		A) Newton B) Einestine C) Edison		
8	-	8	II – Contribution of scientist	D) Homibhabha E) Swaminathan F) Dr. A P J Abdulkalam		
Month A	ugust 2025		Module/Unit: 3	Sub-units planned		
8	-	8	III- Technology and Human Health	A) Human Blood group B) diet C) AIDS D) Addiction		
Month:	September 2	025	Module/Unit:4	Sub-units planned		
8		8	IV- Non Conventional Power resources	A) Types of resources B) Solar energy C) Wind Energy		
Month O	ctober 2025		Module/Unit:	Sub-units planned		
8		8	IV- Non Conventional Power resources	D) Types of resources E) Solar energy F) Wind Energy		
	1		Se	mester - II		
Month:	November :	2025	Module/Unit: 1	Sub-units planned		
8		8	I – Means of communication	A) Importance of computers B) Internet C) Computers virus		
Month :	December 2	.025	Module/Unit: 2	Sub-units planned		

8 8	II- Beginning of space research	A) Rocket tech. B) Satellite C) GIS D) GPS		
Month: January 2026	Module/Unit:3	Sub-units planned		
8 - 8	III- Indian Defence and Ocean research	A) National defence B) Ocean study C) Antarctica expedition		
Month: February 2026	Module/Unit:4	Sub-units planned		
8 Second 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	IV – Disaster Management	A) Earth quake B) Flood C) Fire D) Accident E) croud		
Month: March 2026	Module/Unit:4	Sub-units planned		
8 3 5 7 7 8 8	IV – Disaster Management	F) Earth quake G) Flood H) Fire I) Accident J) croud		

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HEAD DEPARTMENT OF GEOGRAPHY VIVEKANAND COLLEGE, KOLHAPOR

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar

Programme- B.A. Semester - V

Subject:- Geography Course Title: Practical Paper- I

Basics of Map Making and SOI Map Interpretation

Month - July			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III Slope, Relief	.1 Slope and Gradient 1.1.1 Types of Slopes: Gentle, Steep, Even,
8	-	8	Features and Profile Analysis	Uneven, Convex, Concave, Terraced. 1.1.2 Methods of Relief Representation i. Qualitative: - Hachures, Hill shading, Layer Tint ii. Quantitative: - Contours, Form lines, Spot Heights, Bench Marks, Triangulation Mark, Relative Height
Month - Augu	ıst		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III Slope, Relief	.1.2 Expression of Slopes: a) Gradient b) Degree c) Per Cent d) Mills
8	-	8	Features and Profile Analysis	1.1.3 Representation of Relief by Contours: Hill, Mountain, Ridge, Cliff, Saddle, Plateau, Knoll, Spur, Col or Pass, Volcanic Col or Crater, Gorge, 'V' Shaped Valley, Waterfall, 'U' Shaped Valley, Cirque, Hanging Valley, Ria Coast, Fiord Coast, Sea cliff.
Month - Septe	ember		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III Slope, Relief	.1.2 Expression of Slopes: a) Gradient b) Degree c) Per Cent d) Mills
8	-	8	Features and Profile Analysis	1.1.3 Representation of Relief by Contours: Hill, Mountain, Ridge, Cliff, Saddle, Plateau, Knoll, Spur, Col or Pass, Volcanic Col or Crater, Gorge, 'V' Shaped Valley, Waterfall, 'U' Shaped Valley, Cirque, Hanging Valley, Ria Coast, Fiord Coast, Sea cliff.
Month - Octob	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- III Slope, Relief	1.2 Profiles 1.2.1 Superimposed Profile
8	-	8	Features and Profile Analysis	1.2.2 Composite Profile 1.2.3 Projected Profile 1.2.4 Longitudinal Profile

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DEPARTMENT OF GEOGRAPHY VIVEKANAND COLLEGE KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar Programme- B.A. Semester - V

Subject:- Geograph Month - July	y Course 1111	e: Bloge	Module/Unit:	Sub-units planned
Lectures 8	Practicals	Total 8	Module- I Foundation of Biogeography	1.1 Definition, Nature, and Scope of Biogeography 1.2 Relationship with Ecology, Geography, and Environmental Science 1.3 Historical Development and Major Contributors in Biogeography 1.4 Approaches to the Study of Biogeography: Systematic and Regional 1.5 Significance and Applications of Biogeography in Modern World
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total		1.1 Definition, Nature, and Scope of Biogeography 1.2 Relationship with Ecology,
8		8	Module- I Foundation of Biogeography	Geography, and Environmental Science 1.3 Historical Development and Major Contributors in Biogeography 1.4 Approaches to the Study of Biogeography: Systematic and Regional 1.5 Significance and Applications of Biogeography in Modern World
Month - September	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total		2.1 Ecological Classification of Plants (Hydrophytes, Mesophytes,
8	-	8	Module- II Vegetation Ecology and Global Flora Pattern	Xerophytes, Halophytes) 2.2 Factors Affecting the Distribution of Plants: Climatic, Edaphic, Biotic, and Anthropogenic 2.3 Major Phytogeographical Zones of the World 2.4 Forest Types of India – Characteristics and Distribution 2.5 Threats to Natural Vegetation and Need for Conservation
Month Ostobor			Module/Unit:	Sub-units planned
Month - October Lectures	Practicals	Total	Module- II	2.1Ecological Classification of Plant (Hydrophytes, Mesophytes,
8	-	8	Vegetation Ecology and Global Flora	Xerophytes, Halophytes) 2.2 Factors Affecting the Distribution

Pattern	of Plants: Climatic, Edaphic, Biotic, and Anthropogenic 2.3 Major Phytogeographical Zones of the World 2.4 Forest Types of India – Characteristics and Distribution 2.5 Threats to Natural Vegetation and Need for Conservation
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Name and Signature of Teacher



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Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar Programme- M.A. Semester - III

Subject:-Practical*- Photogrammetry, Remote Sensing and DIP

Month - July	Filotogram	meny, K	Module/Unit:	Sub-units planned
Lectures 24	Practicals	Total 24	Module- II Practicals in Satellite Remote Sensing	Exercise-8: Study of satellite image browsing system 8.1: USGS Earth Explorer 8.2: Bhuvan Data Portal 8.3: Copernicus Open Access Hub ' Exercise-9: Visual interpretation of satellite images (True Color, FCC and Thermal)
Month - August			Module/Unit:	Sub-units planned
Lectures 24	Practicals	Total 24	Module- II Practicals in Satellite Remote Sensing	Exercise-8: Study of satellite image browsing system 8.1: USGS Earth Explorer 8.2: Bhuvan Data Portal 8.3: Copernicus Open Access Hub ' Exercise-9: Visual interpretation of satellite images (True Color, FCC and Thermal)
Month - Septembe	r		Module/Unit:	Sub-units planned
Lectures 24	Practicals -	Total 24	Module- III Practicals in DIP	Exercise-10: Introduction to DIP software Exercise-11: Loading of image data, study of histogram and layer information Exercise-12: Layer stacking and Interpretation of FCC image Exercise-13: Supervised Classification Exercise-14: Unsupervised classificationExercise-15: Accuracy assessment
Month - October			Module/Unit:	Sub-units planned
Lectures 24	Practicals	Total 24	Module- III Practicals in DIP	Exercise-10: Introduction to DIP software Exercise-11: Loading of image data, study of histogram and layer information Exercise-12: Layer stacking and Interpretation of FCC image Exercise-13: Supervised Classification Exercise-14:
=				Unsupervised classificationExercise-15: Accuracy assessment

Name and Signature of Teacher



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VIVEKANAND COLLEGE, KOLHAPOR (EMPOWERED AUTONOMOUS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar Programme- M.A. Semester - IV

IV- Geographical Data Representation Methods

Subject: - DSC-PI	R-IV- Geogr	aphical	Data Repr	esentation Methods
	Month - December		Module/	Sub-units planned
Lectures	Practicals	Total	Unit: Module-	19-20: Analysis of industrial intensity: location quotient, index of similarity, location coefficient,
8	-	8	III	location curve. 21: Measurement of industrial development 22-24: Road accessibility matrix, gravity model showing transport interaction, traffic flow analysis.
Month - January			Module/ Unit:	Sub-units planned
Lectures	Practicals	Total	Module-	19-20: Analysis of industrial intensity: location quotient, index of similarity, location coefficient, location curve. 21: Measurement of industrial
8	.	8	III	development 22-24: Road accessibility matrix, gravity model showing transport interaction, traffic flow analysis.
Month - February	6.		Module/ Unit:	Sub-units planned
Lectures	Practicals	Total		25: Nearest Neighbor Analysis.26: Density functions and pattern analysis of
8		8	Module- IV	distribution of settlement (randomness and spacing indices). 27-28: Breaking point analysis (Losch), measures of centrality (Christaller), connectivity (Pitts). 29: Rank size distribution of towns (Zipf and Berry Garrison). 30: Functional classification of towns
Month - March			Module/ Unit:	Sub-units planned
Lectures	Practicals	Total		25: Nearest Neighbor Analysis.26: Density functions and pattern analysis of distribution of settlement (randomness and spacing
8	-	8	Module- IV	indices). 27-28: Breaking point analysis (Losch), measures of centrality (Christaller), connectivity (Pitts). 29: Rank size distribution of towns (Zipf and Berry Garrison). 30: Functional classification of towns (Harris and Nelson).

Name and Signature of Teacher



Name and Signature of HoD

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Department of Geography Academic Year - 2025-26 Marting 2

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar Programme- M.Sc. Semester - I

Subject: - DSE39GEO11 Geodesy and Digital Cartography

Month - July			Module/Unit:	Sub-units planned
Lectures 8	Practicals	Total 8	Module- I Concept of Geodesy	Definition and fundamentals of geodesy; Spherical, ellipsoid and geoid shape of the earth; Grid and Graticule, Datums: Horizontal vs. Vertical.
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Module- I	Definition and fundamentals of geodesy;
8	-	8	Concept of Geodesy	Spherical, ellipsoid and geoid shape of the earth; Grid and Graticule, Datums: Horizontal vs. Vertical.
Month - Septemb	er		Module/Unit:	Sub-units planned
Lectures	Practicals	Total		Concept of Digital Cartography, Digital Cartography: its comparisons with
8	-	8	Module- IV Digital Cartography	conventional cartography and GIS; Spatial and attribute database, Concept of base map, Symbolization, Generalization and Visualization; Colour system, Modern techniques of map production: animation, simulation, web maps and AI. VR in cartography.
Month - October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total		Concept of Digital Cartography, Digital Cartography: its comparisons with
8	л -	8	Module- IV Digital Cartography	conventional cartography and GIS; Spatial and attribute database, Concept of base map, Symbolization, Generalization and Visualization; Colour system, Modern techniques of map production: animation, simulation, web maps and AI. VR in cartography.

Name and Signature of Teacher



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DEPARTMENT OF GEOGRAPHY VIVEKANAND COLLEGE, KOLHAPER (EMPOWERED AUTONOMOUS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar

EEAR

Programme- M.Sc. Semester - I Subject: Geoinformatics

Subject:- DSE39GEO19 Advance GIS and Computer Programming

Month - July		1 10	Module/Unit:	Sub-units planned
Lectures 8	Practicals	Total 8	Module- II Advance QGIS	 Data query: Spatial and Attribute. Animating Time Series Data Interpolating Point Data Travel Time Analysis with Uber Movement Service Area Analysis using Open route service
Month - August	D. S Marite	7-1-72	Module/Haite	6. Working with Google Earth.
Lectures	Practicals	Total	Module/Unit:	Sub-units planned7. Data query: Spatial and Attribute.8. Animating Time Series Data
Marne of the Cours	\$ C.10 *570 FM	8	Module- II Advance QGIS	 Interpolating Point Data Travel Time Analysis with Uber Movement Service Area Analysis using Open route service Working with Google Earth Ose
Month - Septembe	r		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	DOMESTIC ACCORDED	13. Map Design: Layout and Map
chemy the word of chemy the word to apply the year with to apply to go t	OST DONO SILV WE PVKE 33798278 -157 DIV	Confect Firs	Module- IV Practicals of ArcPro Software - Part 2	 14. Spatial Analysis-I: Query By Location/Attribute, Identifying Spatial and Non-Spatial Data, Geoprocessing Wizard,Overlay Analysis, Spatial Analysis Functions, Multi Criteria Analysis using Boolean Logic 15. Spatial Analysis-II: Interpolation Methods, Viewshed and Watershed Analysis, Surface and Grid Analysis: DEM, DSM and DTM, Creating 3D data, Animation 16. Applications: Calculation of Vegetation and Water Indices, Slope and Contour, Network Analysis. 17. Import and Create 3D Model in ArcGIS Pro
Month - October	St. Selection (1970)	Zh librarr	Module/Unit:	Sub-units planned
Lectures 8	Practicals	Total	Module- IV Practicals of	18. Map Design: Layout and Map Composition.19. Spatial Analysis-I: Query By Location/Attribute, Identifying Spatial

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	Software - Part	and Non-Spatial Data, Geoprocessing
	2	Wizard, Overlay Analysis, Spatial
	Alana	Analysis Functions, Multi Criteria
1 1		Analysis using Boolean Logic
		20. Spatial Analysis-II: Interpolation
		Methods, Viewshed and Watershed
		Analysis, Surface and Grid Analysis:
		DEM, DSM and DTM, Creating 3D
		data, Animation
		21. Applications: Calculation of
		Vegetation and Water Indices, Slope
		and Contour, Network Analysis.
		22. Import and Create 3D Model in
		ArcGIS Pro

Name and Signature of Teacher



Name and Signature of HoD

HEAD DEPARTMENT OF GEOGRAPHY VIVENANAND COLLEGE, KOLHAPOR (EMPOWERED AUTONOMOMS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar

Programme- PGD In Geoinformatics Semester - I

Subject: DSE39GEO11 Geodesy and Digital Cartography

Subject: - DSE39 Month - July			Module/Unit:	Sub-units planned
Lectures 8	Practicals	Total 8	Module- I Concept of Geodesy	Definition and fundamentals of geodesy; Spherical, ellipsoid and geoid shape of the earth; Grid and Graticule, Datums: Horizontal vs. Vertical.
Month - August			Module/Unit:	Sub-units planned
Lectures Practicals Total 8 - 8		Module- I Concept of Geodesy	Definition and fundamentals of geodesy; Spherical, ellipsoid and geoid shape of the earth; Grid and Graticule, Datums: Horizontal vs. Vertical.	
Month - Septemb	Month Contember		Module/Unit:	Sub-units planned
Lectures 8	Practicals	Total 8	Module- IV Digital Cartography	Concept of Digital Cartography, Digital Cartography: its comparisons with conventional cartography and GIS; Spatial and attribute database, Concept of base map, Symbolization, Generalization and Visualization; Colour system, Modern techniques of map production: animation, simulation, web maps and AI. VR in cartography.
Month - October		, Let's	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	274 (1.4) (1)	Concept of Digital Cartography, Digital Cartography: its comparisons with conventional cartography and GIS; Spatial and attribute
8		8	Module- IV Digital Cartography	database, Concept of base map, Symbolization, Generalization and Visualization; Colour system, Modern techniques of map production: animation, simulation, web maps and Al. VR ir cartography.

Name and Signature of Teacher

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Name and Signature of HoD

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. V. J. Palkar

Programme- PGD In Geoinformatics

Semester - I Subject: Geoinformatics

Subject:- DSE39GEO19 Advance GIS and Computer Programming

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Month - July	1		S and Computer Progr Module/Unit:	Sub-units planned
Lectures	Practicals	Total		23. Data query: Spatial and Attribute.
8	-	8	THE RE	24. Animating Time Series Data
17 Percentage	1.33	120	- Lint 200	25. Interpolating Point Data
			Module- II	
			Advance QGIS	26. Travel Time Analysis with Uber Movement
				27. Service Area Analysis using
				Open route service
Month Assess				28. Working with Google Earth.
Month - August			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	FAC	29. Data query: Spatial and
C ALEXA	R at dok	- Ctar	EMG	Attribute.
WEORK STION TE	CHROCOC	8	EAC 100 0	30. Animating Time Series Data
MOLOGA .		11	Module- II	31. Interpolating Point Data
MENUS LIGA	M		Advance QGIS	32. Travel Time Analysis with
	\$		EMO 100 D	Uber Movement
HYSICS				33. Service Area Analysis using
SECCIAPHY			EMG: 400 0	Open route service
Month Cast 1			ENG 400 0	34. Working with Google Earth.
Month - September			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Medium Man, 9	35. Map Design: Layout and Map
0041 (000) gc (rational approximation	22 SE	viting the dat	Composition.
8		8	Al-riller	36. Spatial Analysis-I: Query By
कारा विकास विकास	CAMBIO	TE'S M	DITHER'S NAME &	Location/Attribute, Identifying
				Spatial and Non-Spatial Data,
		2000	e Swaraj Raje	Geoprocessing Wizard, Overlay
	1	The Samuel of the		Analysis, Spatial Analysis
andardia diffate	He Falls	le Mair	1/CANDIDATES	Functions, Multi Criteria
The state of the s	A - See			Analysis using Boolean Logic
- imides	X002368	009	Module- IV	37. Spatial Analysis-II:
ACIENCE ()			Practicals of	Interpolation M. II.
To be proved	DEAT NO.	CEMAN	ArcPro Software -	Viewshed and Watershed
	801G 17.3	(4.1)	Part 2	Analysis, Surface and Grid
				Analysis, Surface and Grid
E SHELL	1707117	1 15 1 1	TE THE EXTRE	Analysis: DEM, DSM and
1	1 131	21-1-	the little inte	DTM, Creating 3D data,
	2		ista kolhapur , qriiqii qi	Animation
46	FEIT F	anger ,	DEST KOLHVERH	38. Applications: Calculation of
				vegetation and Water Indices
	ungaru	1144	I malan i i e e	Slope and Contour, Network
			1 20 10 10	Analysis.
			11.11.11	39. Import and Create 3D Model in

				ArcGIS Pro
onth - October			Module/Unit:	Sub-units planned
Lectures	Practicals	Total		40. Map Design: Layout and Map Composition.41. Spatial Analysis-I: Query By
8	-	8	Module- IV Practicals of ArcPro Software - Part 2	Location/Attribute, Identifying Spatial and Non-Spatial Data, Geoprocessing Wizard, Overlay Analysis, Spatial Analysis Functions, Multi Criteria Analysis using Boolean Logic 42. Spatial Analysis-II: Interpolation Methods, Viewshed and Watershed Analysis, Surface and Grid Analysis: DEM, DSM and DTM, Creating 3D data, Animation 43. Applications: Calculation of Vegetation and Water Indices, Slope and Contour, Network Analysis. 44. Import and Create 3D Model in ArcGIS Pro

Name and Signature of Teacher

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Name and Signature of HoD

DEPARTMENT OF GEOGRAPHY AVEKANAND COLLEGE, KOLHAPER (EMPOWERED AUTONOMOUS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Patil Vitthal Maruti

Subject: - Geography

Programme- B.A.I Semester - I Div : A

Course Title: Science Technology and Development

Montl	ı – July		Module/Unit: 1	Sub-units planned
Lectures	Practical	Total	Introduction to	Definition, Nature, scope Fundamental Concept
16		16	Science and Technology	Stages in the Study of Science: Impact of Science and Technology on Society Science and Superstitions 6.Development of Science and Technology
Month	-August		Module/Unit: 2	Sub-units planned
Lectures	Practicals	Total	Contribution of	1.Newton
16	- .:	16	Eminent Scientists in the Development of Science and Technology	2.Einstein 3.Edison 4.Dr. Homi Bhabha 5.Dr. M. S. Swaminathan 6.Dr. A. P. J. Abdul Kalam
Month -	Month - September		Module/Unit: 3	Sub-units planned
Lectures	Practicals	Total	Science	I.Impact of Science and Technology on Human Health
16	•	16	Technology & Human Health	2.Human Blood: Blood Groups, Importance of Matching Blood Groups in Human Health 3.Diet: Need of Balance Diet 4.Covid 19: Causes, Effects, Treatment, Social Outlooks 5.Addiction a Social Problem, Types, Causes, Effects & Solution
Month -	October		Module/Unit: 4	Sub-units planned
Lectures	Practicals	Total	Non-	1 Importance of Power Recourses 2 Types of Power recourses
16	-	16	Conventional Power Recourses of India	3 Non-Conventional Power Recourses 1 Solar Energy 2 Wind Energy 3 Nuclear Energy 4 Bio Energy 5 Geo-thermal Energy 6 Tidal Energy 4 Carbon Credits
Month -l	November		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	1 to 4	Revision
16	-	16		ACTISION .

Dr. Vitihal Maruti Patil Name and Signature of Teacher



DEPARTMENT OF GEOGRAPHS'
VIVEKANAND COLLEGE, KOLHAPOR
(EMPOWERED AUTONOMORS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Patil Vitthal Maruti

Subject: - Geography

Programme- B.A.1 Semester - II

Div: A

Course Title: Science Technology and Development

Month - November		Module/Unit: 1	Sub-units planned	
Lectures	Practicasl	Total		1 Brief History of Communication
16	-	16	Means of Communication and Information Technology	2 Origin, Development and Importance of Computer 3 Computer Network 4 Internet 5 Computer Viruses 6 Information Technology (IT)
Month	- December		Module/Unit: 2	Sub-units planned
Lectures	Practicals	Total	Science	Beginning of Satellite Era in the World Rocket Technology
16	•	16	Technology in Space Research	3 Artificial Satellite- Types and Uses 4 Satellite Programme of India 5 Introduction of: a) Geographical Information System (GIS) b) Global Navigation Satellite System (GNSS)
Mont	h - January		Module/Unit: 3	Sub-units planned
Lectures	Practicals	Total	Science Technology in Indian Defence and Ocean Research	Science Technology in National Defence Defence Research and Development Organization (DRDO) Importance of Ocean Study National Institute of Oceanography (NIO) Antarctica Expedition of India
Mont	h – February		Module/Unit: 4	Sub-units planned
Lectures	Practicals		Disaster	Disaster Studies: Objectives and importance Disaster Causes, Effects and management
16	-	16	Management	a) Earthquake b) Flood c) Drought d) Forest Fire
Mo	Month - March		Module/Unit:	Sub-units planned
Lectures	Practical	Total	1 to 4	Revision
16	-	16		170 7131011

Dr. Vitthal Maruti Patil Name and Signature of Teacher



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DEPARTMENT OF GEOGRAPHS
VIVEXANAND COLLEGE, KOLHAPON
(EMPOWERED AUTONOMOUS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

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Programme- B.A.III Geography Semester - V

Course Title: Agricultural Geography

Mont	Month – July			Sub-units planned
Lectures	Practical	Total	Agricultural	I.Major Agricultural Systems of the World
8	-	8	Systems and Land use Theory	Nomadic herding, Livestock ranching, Sifting cultivation, Intensive subsistence Farming, Commercial farming and Horticulture 2.Von Thunen's theory of agricultural land use
Month	-August		Module/Unit: 2	Sub-units planned
Lectures	Practicals	Total	Agricultural	1.Major Agricultural Systems of the World
8	-	8	Systems and Land use Theory	Nomadic herding, Livestock ranching, Sifting cultivation, Intensive subsistence Farming, Commercial farming and Horticulture 2.Von Thunen's theory of agricultural land use
Month -	September		Module/Unit: 4	Sub-units planned
Lectures	Practicals	Total	Land Record	1. Land Records: 7/12, 16A, Pherphar etc.
8		8	and Marketing	Importance of Land Revenue Agricultural Marketing
Month	- October		Module/Unit: 4	Sub-units planned
Lectures	Practicals	Total	Land Record	1. Land Records: 7/12, 16A, Pherphar etc.
8		8	and Marketing	Importance of Land Revenue Agricultural Marketing
Month	-November	1	Module/Unit:	Sub-units planned
Lectures	Practicals	Total	2 and 4	
8		8	1 (0.440)	Revision

Dr. Vitthal Maruti Patil Name and Signature of Teacher



DEPARTMENT OF GEOGRAPHY
VIVIEWNAND COLLEGE KOLHAPER
(EMPOWERED AUTONOMOUS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Programme- B.A.III Geography Semester - V

Course Title: Practical Paper

sject: - Geography			Course Title: Practical Laper		
Month - July			Module/Unit: 2	Sub-units planned	
Lectures	Practical	Total	Representation Techniques of	Graphs and Diagrams Diagrammatic Representation:	
-	8	8	Statistical Data	Line Graph (Simple, Multiple and Band Graph) Bar Graph (Simple, Multiple and Compound) Pie Diagram	
Month	-August	- 7 - 20 - 20 20	Module/Unit: 2	Sub-units planned	
Lectures	Practicals	Total	Representation	1. Graphs and Diagrams	
-,	8	8	Techniques of Statistical Data	 Diagrammatic Representation: Line Graph (Simple, Multiple and Band Graph) Bar Graph (Simple, Multiple and Compound) Pie Diagram 	
Month -	September		Module/Unit: 2	Sub-units planned	
Lectures	Practicals	Total	Representation	1.Thematic Mapping Techniques:	
-	8	8	Techniques of Statistical Data	Proportional Circle Choropleth Map Dot Map Isopleths Cartographic Overlays: Point Line Areal Data	
Month	- October		Module/Unit: 2	Sub-units planned	
Lectures	Practicals	Total		1.Thematic Mapping Techniques:	
9€8	8	8	Representation Techniques of Statistical Data	Proportional Circle Choropleth Map Dot Map Isopleths Cartographic Overlays: Point Line Areal Data	
Month -November		Module/Unit:	Sub-units planned		
Lectures	Practicals	Total	2	Revision	
i - .	8	8			

Dr. Vitthal Maruti Patil Name and Signature of Teacher



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DEPARTMENT OF GEOGRAPHS
VIVEKANAND COLLEGE, KOLHAPON
(EMPOWERED AUTONOMORS)

Department of Geography Academic Year - 2025-26 Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Programme- B.A.III Geography Semester - VI

Course Title: Advanced Tools, Techniques & Field

Work in Geography (Practical Paper)

Month -	Month - November			Sub-units planned
Lectures	Practicals	Total	Foundations of	I Understanding Field Work in Geography
	8	8	Field Work and Research Planning	2 Pre-Field Planning 3 Designing a Research Project 4 Sampling Techniques
Month -	December		Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Foundations of	l Understanding Field Work in Geography
	8	8	Field Work and Research Planning	2 Pre-Field Planning 3 Designing a Research Project 4 Sampling Techniques
Month .	Month - January			Sub-units planned
Lectures	Practicals	Total		1 Primary Data Collection Techniques
-	8	8	Data Collection Methods and Tools	2 Secondary Data Sources 3 Geospatial and Digital Tools 4 Field Survey Practice
Month -	Month - February			Sub-units planned
Lectures	Practicals	Total	Data Collection Methods and Tools	I Primary Data Collection Techniques 2 Secondary Data Sources 3 Geospatial and Digital Tools 4 Field Survey Practice
-	8	8		
Monti	Month - March			Sub-units planned
Lectures	Practicals	Total	1 and 2	Revision
-	8	8		Revision

Dr. Vitthal Maruti Patil Name and Signature of Teacher



DEPARTMENT OF GEOGRAPHS
WEKANAND COLLEGE, KOLHAPES
(EMPOWERED AUTONOMOSS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Programme- B.A.III Geography Semester - VI

Course Title: Political Geography

Month -	Month - November			Sub-units planned
Lectures	Practicasl	Total	Introduction to Political Geography	1.Definition of Political Geography Nature of Political Geography Scope of Political Geography Significance of Political Geography
8	-	8		
Month -	December		Module/Unit: 2	Sub-units planned
Lectures	Practicals	Total		I State
8		8	Concepts in Political Geography	2 Nation 3 Boundary 4 Frontiers
Month	- January		Module/Unit: 3	Sub-units planned
Lectures	Practicals	Total		1 Heartland Theories H. J. Mackinder.
8	-	8	Theories in Political Geography	2 Rimland Theorie N. J. Spykeman
Month -	- February		Module/Unit: 4	Sub-units planned
Lectures	Practicals	Total	Resource	Krishna Water Dispute Ganga Water Dispute
8		8	Dispute and Conflicts	3 Chandoli Dam Project: Issues of Relief, Compensation and Rehabilitation 4 Indo-China border Issue
Montl	Month – March			Sub-units planned
Lectures	Practicals	Total	1 to 4	Revision
8	-	8		

Dr. Vitthal Maruti Patil Name and Signature of Teacher



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DEPARTMENT OF GEOGRAPHY
VIVEKANANO COLLEGE, KOLHAPOR
(EMPOWER TO AUTONGMOUS)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Programme- M.A.I Geography Semester - I

Course Title: Research Methodology in Geography

Month - July			Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Research	1.Definition, meaning, objectives and
16	-	16	Methodology: An Introduction	significance of research, approaches in research. 2.Defining research problem 3.Meaning and Need of research Design 4. Sampling methods and sampling Size 5.Concept of hypothesis
Month	-August		Module/Unit: 2	Sub-units planned
Lectures	Practicals	Total	Data collection	1.Data types, Data sources and data collection
16	-	16	and Preparation	Methods 2.Preparation of schedule & questionnaire 3.Concept of qualitative and quantitative analysis of data 4. Presentation and interpretation of data
Month -	September		Module/Unit: 3	Sub-units planned
Lectures	Practicals	Total	Effective	Literature review; writing styles and manuals Writing of obstracts, project.
16	-	16	Research Writing	Writing of abstracts, project report and research papers Referencing system, references, webliography, bibliography Footnotes, glossary, appendices
Month	Month - October		Module/Unit: 4	Sub-units planned
Lectures	Practicals	Total	Recent Trends	1.Recent trends in Physical and Human
16		16	in Geographical Research and Publication	Geographical research 2. Applications of Computer, Remote Sensing and GIS in Geographical research 3. Publication metrics: h-index, g-index, i10-index, altimetric, citation and measuring impact research 4. Research ethics in publication, Predatory publishers & journals 5. Research publishers and Open access publishing: Journal finders Elsevier, Springer
Month	-November		Module/Unit:	Sub-units planned
Lectures	Practicals		1 to 4	Revision .
16		16		2

Dr. Vitthat Maruti Patil Name and Signature of Teacher



DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPER
(EMPOWERED AUTONOMORS)

Department of Geography Academic Year - 2025-26

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Annual Teaching Plan
Programme- M.A.I Geography Semester - 11

Course Title: OJT

Month - November			Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Joining Report of On Job Training:	Students are expected to join for their on job training with prior intimation to the department. They are expected to carry out work under the guidance of job supervisor.
-	16	16		
Month	-December		Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Joining Report of	Students are expected to join for their on job training with prior intimation to the department. They are expected to carry out work under the guidance of job supervisor.
**;	16	16	On Job Training:	
Month	– January		Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	On Job Training Placement:	Student can join any institution/ corporation/ industry as per their choice but within the scope of the subject area.
-	16	16		
Month	Month - February			Sub-units planned
Lectures	Practicals	Total	On Job Training Placement:	Student can join any institution/ corporation/ industry as per their choice but within the scope of the subject area.
-	16	16		
Mon	Month -March		Module/Unit:	Sub-units planned
Lectures	Practicals	Total	1 and 2	Revision
-	16	16		ACCUSION STATE OF THE PARTY OF

Dr. Vitthat Maruti Patil Name and Signature of Teacher ESTO JUNE 1964

DEPARTMENT OF LEGGRAPHS
VIVEKANAND COLLEGE, KOLHAPER
(EMPOWERED AUTONOMOUS)

Department of Geography Academic Year - 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Programme- M.A.II Geography Semester - III

Course Title: Research Project - I

Month - July			Module/Unit: 1	Sub-units planned
Lectures	Practical	Total	Research	Research topic should be related to finding, reporting and/or disseminating geographical knowledge having scientific and/or social relevance
-	16	16	Project	
Month	-August		Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Research	Research topic should be related to finding,
	16	16	Project	reporting and/or disseminating geographical knowledge having scientific and/or social relevance
Month -	Month - September			Sub-units planned
Lectures	Practicals	Total	Research Project	Research topic should be related to finding
-	16	16		reporting and/or disseminating geographical knowledge having scientific and/or social relevance
Month	- October	2 2 2 2 2	Module/Unit: 2	Sub-units planned
Lectures	Practicals	Total	Study Tour / Geographical Excursion	Study tours and visits to places having important
-	16	16		geographical features/ landforms and/or social & cultural relevance
Month -November			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	I and 2	Revision
•	16	16		IVEA (2)(0)(

Dr. Vitthal Maruti Patil Name and Signature of Teacher



DEPARTMEN OF CEDERAPHY
VIVEKANAND COLLEGE, KOLMAPER
(EMPOWERED OUTDANISOES)

Department of Geography Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Programme- M.A.II Geography Semester - IV

Course Title: Research Project - II (Dissertation)

Month - November			Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	20-20	•
	16	16	Dissertation	Dissertation
Month	-December		Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Dissertation	Dissertation
3 5 4	16	16		
Monti	h – January		Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Dissertation	Dissertation
*	16	16		
Month	- February		Module/Unit: 1	Sub-units planned
Lectures	Practicals	Total	Dissertation	Dissertation
	16	16		
Month -March			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	1	PROJECTION .
()=:	16	16	#0* 	Revision

Dr. Vittled Maruti Patil Name and Signature of Teacher



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DEPARTMENT OF GEOGRAPHY
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(EMPOWERED AUTONOMOUS)