

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | Total | Module- I – Maharashtra- Physical Structure | 1.1 Physical Division of Maharashtra 1.1.1 – Sahayadri Mountain Range- 1.1.2 – Plateau Region 1.1.3 –Coastal Region 1.2 Administrative Sections of Maharashtra State 1.3 Geographical Significance of Maharashtra State |
| 16 | - | 16 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Maharashtra- Climate and Drainage System | 2.1 Maharashtra- Significance of Climate 2.2 Maharashtra- Seasons, Summer season, Rainy season Winter season 2.3 Drainage System 2.3.1 Godavari River 2.3.2 Krishna River 2.3.3BhimRiver 2.3.4 Panchganga River |
| 16 | - | 16 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Maharashtra- Soil and Natural Vegetation | 3.1 Maharashtra- Soil 3.1.1 – Black Soil 3.1.2 – Red Soil 3.1.3- Laterite Soil 3.1.4 – Aluvial Soil 3.2 Maharashtra- Natural Vegetation |
| 16 | - | 16 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Maharashtra- Minerals and Industries | 4.1 Maharashtra- Minerals 4.1.1 – Manganese 4.1.2 – Iron Ore 4.1.3- Bauxite 4.2 Maharashtra- Industries 4.2.1 – Sugar Industry 4.2.2 – Cotton Textile Industry |
| 16 | - | 16 | | |

Name and Signature of Teacher



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 - December | | | Module/Unit: | Sub-units planned |
|------------------|------------|-------|--|--|
| Lectures | Practicals | Total | Module- I – Ground Basin & Basin Hydrology | <ul style="list-style-type: none"> ➤ Introduction ➤ Distribution ➤ Surface water resource ➤ Hydrological Characteristics ➤ Hydrological Cycle |
| 16 | - | 16 | | |
| Month - January | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Applied Geohydrology | <ul style="list-style-type: none"> ➤ Ground water exploration, Water Pollution ➤ Conservation and Planning ➤ Watersheds and wetlands |
| 16 | - | 16 | | |
| Month - February | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Ocean Basin | <ul style="list-style-type: none"> ➤ Origin and Evolution of Ocean basin ➤ Topography of Ocean basin ➤ Bottom Relief – Pacific, Atlantic and Indian Ocean |
| 16 | - | 16 | | |
| Month - March | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Ocean Movement | <ul style="list-style-type: none"> ➤ Waves ➤ Tides ➤ Oceanic Current ➤ Ocean Current |
| 16 | - | 16 | | |



Name and Signature of Teacher




Name and Signature of HoD
HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | <ul style="list-style-type: none">➤ Introduction➤ Definition➤ Nature➤ Scope➤ Historical Development➤ Importance |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Factors of Tourism | <ul style="list-style-type: none">➤ Geographical➤ Social➤ Cultural➤ Others |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Classification and Trend of Tourism | <ul style="list-style-type: none">➤ Classifications of the Tourism➤ New Trends |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Impact of Tourism | <ul style="list-style-type: none">➤ On Economic Factor➤ On Social and Cultural Factors➤ On Environment<ul style="list-style-type: none">➤ Sustainable Development |
| 8 | - | 8 | | |

Name and Signature of Teacher

Signature of Teacher



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | Practicals | Total | Module- I – Development And Planning Of Tourism In India | <ul style="list-style-type: none"> ➤ 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 |
| 8 | - | 8 | | |
| Month - January | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Tourism Centers In India | <ul style="list-style-type: none"> ➤ 2.1 Natural tourism centers in India ➤ 2.2 Religious tourism centers in India ➤ 2.3 Cultural tourism centers in India ➤ Historical tourism centers in India |
| 8 | - | 8 | | |
| Month - February | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Development And Planning Of Tourism In Maharashtra | <ul style="list-style-type: none"> ➤ Development of tourism in Maharashtra ➤ 3.2 Planning of tourism in Maharashtra |
| 8 | - | 8 | | |
| Month - March | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Recent Trends In Tourism In Kolhapur District | <ul style="list-style-type: none"> ➤ Historical tourism centers in Kolhapur ➤ 4.2 Religious and cultural tourism centers in Kolhapur ➤ 4.3 Agricultural and Medical tourism centers in Kolhapur |
| 8 | - | 8 | | |

Name and Signature of Teacher



Name and Signature of HoD
HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 Geography | <ul style="list-style-type: none">➤ Introduction➤ Definition➤ Nature➤ Scope➤ Importance➤ Evaluation of Agriculture |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Theories of Land Utilization | <ul style="list-style-type: none">➤ Classification of Agri. Systems➤ Major Agri. Systems in India |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – New Concepts in Modern Agricultural Practice | <ul style="list-style-type: none">➤ Agricultural regionalization➤ Crop Combination, Crop Diversification➤ Problems & Solutions➤ Green Revolution, Organic Farming |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Important Agricultural Documents | <ul style="list-style-type: none">➤ 7/12, 8A➤ Importance of Land Revenue➤ Agri. News |
| 8 | - | 8 | | |

Name and Signature of Teacher



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan

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

Programme- B.A.III Geography Semester - VI

Subject: - Geography

Course Title: **Political Geography**

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

Name and Signature of Teacher



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | <ul style="list-style-type: none">➤ Introduction➤ Definition➤ Types➤ Importance |
| -- | 32 | 32 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I- Introduction To scale | <ul style="list-style-type: none">➤ Preparation of scale➤ Conversion of scale➤ Graphical Scale |
| -- | 32 | 32 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Cartographic Techniques | <ul style="list-style-type: none">➤ Importance➤ Types |
| -- | 32 | 32 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II– Cartographic Techniques | <ul style="list-style-type: none">➤ One Dimensional➤ Two Dimensional➤ Three Dimensional |
| -- | 32 | 32 | | |

Name and Signature of Teacher

DR. GOVARDHAN SUBHASH UBAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | | | Module/Unit: | Sub-units planned |
|------------------|------------|-------|--------------------------------------|---|
| Lectures | Practicals | Total | Module- III – Statistical Techniques | <ul style="list-style-type: none"> ➤ Introduction ➤ Data Types ➤ Mean, Median, Mode ➤ Deviation ➤ Karl Pearsons Method |
| -- | 32 | 32 | | |
| Month - January | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Statistical Techniques | <ul style="list-style-type: none"> ➤ Introduction ➤ Data Types ➤ Mean, Median, Mode ➤ Deviation ➤ Karl Pearsons Method |
| -- | 32 | 32 | | |
| Month - February | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Project writing | <ul style="list-style-type: none"> ➤ Problem Finding ➤ Project Design ➤ Questionnaire ➤ Surveying |
| -- | 32 | 32 | | |
| Month - March | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Tour Report | <ul style="list-style-type: none"> ➤ Planning ➤ Tour ➤ Project |
| -- | 32 | 32 | | |

Name and Signature of Teacher

(Signature)
 GOVINDHAN SUBHASH UBAL
 ASSISTANT PROFESSOR
 DEPARTMENT OF GEOGRAPHY
 VIVEKANAND COLLEGE, KOLHAPUR



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 Climatology | <ul style="list-style-type: none"> ➤ Definition, Scope, Nature ➤ Significance and Importance ➤ Earth Atmosphere ➤ Heat Balance |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Intro. To Climatology | <ul style="list-style-type: none"> ➤ Definition, Scope, Nature ➤ Significance and Importance ➤ Earth Atmosphere ➤ Heat Balance |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Moisture in Atmosphere | <ul style="list-style-type: none"> ➤ Humidity ➤ Instability of Atmosphere ➤ Condensation ➤ Precipitation |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Moisture in Atmosphere | <ul style="list-style-type: none"> ➤ Humidity ➤ Instability of Atmosphere ➤ Condensation ➤ Precipitation |
| 8 | - | 8 | | |

Name and Signature of Teacher

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



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | <ul style="list-style-type: none">➤ Definition, Scope, Nature➤ Development of GIS➤ Significance and Importance➤ Data- Raster and Vector➤ Topology |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Intro. To GIS | <ul style="list-style-type: none">➤ Definition, Scope, Nature➤ Development of GIS➤ Significance and Importance➤ Data- Raster and Vector➤ Topology |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- GIS Analysis | <ul style="list-style-type: none">➤ Spatial Analysis- Overlay and Buffer analysis➤ Interpolation Techniques➤ Dem, DTM, TIN➤ DBMS |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- GIS Analysis | <ul style="list-style-type: none">➤ Spatial Analysis- Overlay and Buffer analysis➤ Interpolation Techniques➤ Dem, DTM, TIN➤ DBMS |
| 8 | - | 8 | | |

Name and Signature of Teacher



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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. Photogrammetry | <ul style="list-style-type: none">➤ Indexing of aerial Photographs➤ Development of GIS➤ Significance and Importance➤ Data- Raster and Vector➤ Topology |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Intro. To GIS | <ul style="list-style-type: none">➤ Definition, Scope, Nature➤ Development of GIS➤ Significance and Importance➤ Data- Raster and Vector➤ Topology |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- GIS Analysis | <ul style="list-style-type: none">➤ Spatial Analysis- Overlay and Buffer analysis➤ Interpolation Techniques➤ Dem, DTM, TIN➤ DBMS |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- GIS Analysis | <ul style="list-style-type: none">➤ Spatial Analysis- Overlay and Buffer analysis➤ Interpolation Techniques➤ Dem, DTM, TIN➤ DBMS |
| 8 | - | 8 | | |

Name and Signature of Teacher

GOVERNMENT OF KARNATAKA
DEPARTMENT OF HIGHER EDUCATION
BANGALORE



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 – Intro. Photogrammetry | <ul style="list-style-type: none"> ➤ Indexing of aerial Photographs ➤ Development of GIS ➤ Significance and Importance ➤ Data- Raster and Vector ➤ Topology |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Intro. To GIS | <ul style="list-style-type: none"> ➤ Definition, Scope, Nature ➤ Development of GIS ➤ Significance and Importance ➤ Data- Raster and Vector ➤ Topology |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- GIS Analysis | <ul style="list-style-type: none"> ➤ Spatial Analysis- Overlay and Buffer analysis ➤ Interpolation Techniques ➤ Dem, DTM, TIN ➤ DBMS |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- GIS Analysis | <ul style="list-style-type: none"> ➤ Spatial Analysis- Overlay and Buffer analysis ➤ Interpolation Techniques ➤ Dem, DTM, TIN ➤ DBMS |
| 8 | - | 8 | | |

Name and Signature of Teacher

GASH
APPROVED TO THE DEPARTMENT
OF GEOGRAPHY, VIVEKANAND COLLEGE,
KOLHAPUR



Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 Geography | <ul style="list-style-type: none"> ➤ Introduction ➤ Definition ➤ Nature ➤ Scope ➤ Importance ➤ Evaluation of Agriculture |
| 8 | - | 8 | | |
| Month - February | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Theories of Land Utilization | <ul style="list-style-type: none"> ➤ Classification of Agri. Systems ➤ Major Agri. Systems in India |
| 8 | - | 8 | | |
| Month - March | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – New Concepts in Modern Agricultural Practice | <ul style="list-style-type: none"> ➤ Agricultural regionalization ➤ Crop Combination, Crop Diversification ➤ Problems & Solutions ➤ Green Revolution, Organic Farming |
| 8 | - | 8 | | |
| Month - April | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Important Agricultural Documents | <ul style="list-style-type: none"> ➤ 7/12 , 8A ➤ Importance of Land Revenue ➤ Agri. News |
| 8 | - | 8 | | |

Name and Signature of Teacher



Name and Signature of HoD

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

Vivekanand College, Kolhapur (Autonomous)

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-July | | | Module/Unit: | Sub-units planned |
|----------------------------|-----------|-------|--------------------------------------|--|
| Lectures | Practical | Total | Module- II – Lithosphere | <ul style="list-style-type: none">History of Evaluation of the EarthThe Earth Interior: Composition and Structure |
| 8 | - | 8 | | |
| Month – July-August | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- II – Lithosphere | <ul style="list-style-type: none">Wegener's Theory of Continental DriftPlate Tectonic Theory |
| 8 | - | 8 | | |
| Month – August-September | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV – Practical (Theory only) | <ul style="list-style-type: none">Introduction to GIS: Meaning, Definition, Elements & Application |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV – Practical (Theory only) | <ul style="list-style-type: none">GPS: Meaning, Elements & Applications |
| 8 | - | 8 | | |
| Month – September- October | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module-II & IV | Revision |
| 8 | - | 8 | | |

Name and Signature of Teacher

Name and Signature of HoD

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

Vivekanand College, Kolhapur (Autonomous)

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 | | | Module/Unit: | Sub-units planned |
|------------------|-----------|-------|--------------------------------------|---|
| Lectures | Practical | Total | Module- I – Human Races | <ul style="list-style-type: none">Human Evolution: Stages & ProcessesHuman Race: Meaning, & Definition |
| 8 | - | 8 | | |
| Month - January | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- I – Human Races | <ul style="list-style-type: none">The Bases of Racial ClassificationMajor Racial Groups of the World |
| 8 | - | 8 | | |
| Month - February | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV – Practical (Theory only) | <ul style="list-style-type: none">Introduction to Google Earth |
| 8 | - | 8 | | |
| Month - March | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV – Practical (Theory only) | <ul style="list-style-type: none">Application of Google Earth<ul style="list-style-type: none">i. Point, Line & Polygonii. Landscape: Area Measurement |
| 8 | - | 8 | | |
| Month - April | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Revision of Module-II & IV | <ul style="list-style-type: none">➤ Revision on Module – II➤ Revision on Module – IV |
| 8 | - | 8 | | |

Name and Signature of Teacher

Name and Signature of HoD

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

Vivekanand College, Kolhapur (Autonomous)

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-July | | | Module/Unit: | Sub-units planned |
|----------------------------|-----------|-------|---|---|
| Lectures | Practical | Total | Module- I – Introduction to Soil Geography | <ul style="list-style-type: none"> Definition and Scope of Soil Geography History of Soil Geography and Paedology Approaches in Soil Geography Significance of Soil Geography |
| 16 | - | 16 | | |
| Month – July -August | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- II- Soil: Formation & Properties | <ul style="list-style-type: none"> Soil as a resource Jenny's Factorial Model of Soil Formation: Parent Material, Biotic, Climatic, Relief and Time factor Process of Soil Formation: Physical, Biotic and Chemical Properties of Soil: Physical & Chemical |
| 16 | - | 16 | | |
| Month – August-September | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- III – Soils: Classifications, Distribution & Management | <ul style="list-style-type: none"> Genetic Classification of Soils Major Soils Distribution in Maharashtra. Soil Degradation: Concept, Causes, consequences and Measures Soil Management: Need and Method |
| 16 | - | 16 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV – Practical (Theory only) | <ul style="list-style-type: none"> Soil Profile Soil Sample: Tools Soil Analysis Soil Mapping |
| 16 | - | 16 | | |
| Month – September- October | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module-I, II, III & IV | Revision |

Name and Signature of Teacher

Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 - December | | | Module/Unit: | Sub-units planned |
|------------------|-----------|-------|--|---|
| Lectures | Practical | Total | Module- I – India Location, Extent and Boundaries | <ul style="list-style-type: none">Location of India: Absolute Location, Relative Location & Location in the context of hemisphereIndia Extent, Area & Boundaries – Indian States, Time Zone, Area, States with international boundaries |
| 16 | - | 16 | | |
| Month - January | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- II – Physiographic Divisions of India | <ul style="list-style-type: none">The Himalayas – geological formation, climate, vegetation, soil, biodiversity, physiographic divisions, major passes, significanceThe Great North Indian Plains – Geological formation, physiographic divisions, climate, vegetation, soil, biodiversity, significancePeninsular Plateau – Geological formation, Central Highlands, Deccan Plateau, Western Ghats, Eastern GhatsCoastal plains – East Coast Plains, West Coast PlainsIndian Islands – Andaman Nicobar Islands and Lakshadweep Islands |
| 16 | - | 16 | | |
| Month - February | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- III- Major Drainage Systems | <ul style="list-style-type: none">Himalayan rivers: Indus, Ganga, Brahmaputra etc.Peninsular rivers:East flowing RiversWest Flowing Rivers - West flowing rivers from Sahyadri |
| 16 | - | 16 | | |
| Month – March | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV- India - Climate | <ul style="list-style-type: none">Planetary windsFactors Affecting Indian ClimateSeasons in India: Summer, Rainy & WinterIndian Annual Distribution of Temperature |
| 16 | - | 16 | | |
| Month – April | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module-I, II, III & IV | Revision |


Name and Signature of Teacher


Name and Signature of HoD

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

Vivekanand College, Kolhapur (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 – June - July | | | Module/Unit: | Sub-units planned |
|----------------------|-----------|-------|--|---|
| Lectures | Practical | Total | Module- I – Introduction to Scales and Map | 1.1 Scale 1.1.1 Meaning and Definition, 1.1.2 Methods of Representation of scale - Verbal, Numerical and Graphical. 1.1.3 Scale Conversion 1.1.4 Construction of Graphical Scale – i) Simple (Plane Scale) ii) Time and Distance Scale iii) Diagonal Scale 1.2 Map 1.2.1 Map – Definition, Elements 1.2.2 Classification of Maps: Based on Scale and Purpose 1.2.4 Significance and uses of Maps |
| - | 30 | 30 | | |
| Month – July-August- | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- II – Map Projection | 2.1 Definition, Classification of Projections: a) Based on the methods of Construction: Perspective and Non-perspective b) Based on Developable Surface used: Conical, Cylindrical, Zenithal, Conventional. c) Based on Position of Tangent Surfaces: Polar, Equatorial (normal), Oblique. d) Based on Position of view point or light: Gnomonic, Stereographic, Orthographic e) Based on Preserved qualities: i) Equal area projection (Homolographic) ii) Orthographic Projection iii) Azimuthal Projection (True Bearing Projection) 2.2 Graphical Construction of the following Projections with Properties and Use: i) Zenithal Polar Gnomonic Projection ii) Zenithal Polar Equal Area Projection iii) Cylindrical projection iv) Simple Conical Projection with one standard Parallel v) Mercator's Projection and Reference to Universal Transverse Mercator (UTM) Projection |
| - | 30 | 30 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- III- Slope, Relief Features and Profile Analysis | 1.1 Slope and Gradient 1.1.1 Types of Slopes: Gentle, Steep, Even, 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 1.1.2 Expression of Slopes: a) Gradient b) Degree c) Per Cent d) Mills 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, |
| - | 30 | 30 | | |

| | | | | |
|-----------------|-----------|-------|--------------------------------------|---|
| | | | | '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 |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV- Topographical Maps | 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 |
| | 30 | 30 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module-I, II, III & IV | Revision |


 Name and-Signature of Teacher


 Name and Signature of HoD

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

Vivekanand College, Kolhapur (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 - July | | | Module/Unit: | Sub-units planned |
|-----------------------------|-----------|-------|--|---|
| Lectures | Practical | Total | Module- I – Introduction to Economic Geography | 1.1 Meaning of Economic Geography 1.2 Scope of Economic Geography 1.3 Branches of Economic Geography 1.4 Approaches to the study and Recent trends in Economic Geography |
| 16 | - | 16 | | |
| Month – July -August | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- II – Energy Resources | 2.1 Meaning & Concept of Resources 2.2 Classification of Energy resources: Renewable & Non-renewable 2.3 Natural Resources Management (Coal, oil, natural, gas, Nuclear energy). |
| 16 | - | 16 | | |
| Month – August- 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 and cultural 3.2 Sectors of economy: primary, secondary and tertiary 3.3 Major primary economic activities- Significance and world types |
| 16 | - | 16 | | |
| Month – September - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV- Industrial Location, Transport & Trade | 4.1 Theories of industrial location: 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, BRICKS etc |
| 16 | - | 16 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Revision on Module – I to IV Exam | Revision on all Modules |
| 16 | - | 16 | | |

Name and Signature of Teacher

Name and Signature of HoD

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

Vivekanand College, Kolhapur (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: **Urban Geography**

| Month – December-January | | | Module/Unit: | Sub-units planned |
|--------------------------|-----------|-------|---|---|
| Lectures | Practical | Total | 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 |
| 16 | - | 16 | | |
| Month – January-February | | | Module/Unit: | Sub-units planned |
| 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). |
| 16 | - | 16 | | |
| Month – February-March | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- III- Structure and Morphology of Urban Centers | 3.1 Concept of Structure and Morphology 3.2 Concept of City Region and 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. |
| 16 | - | 16 | | |
| Month – March-April | | | 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) 4.2 Concept of Garden City 4.3 Metropolitan Issues: Delhi and Mumbai Urban problems in Kolhapur City |
| 16 | - | 16 | | |
| Month - April | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Revision on Module – I to IV Exam | Revision on all Modules |
| 16 | - | 16 | | |

Name and Signature of Teacher

Name and Signature of HoD

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



Vivekanand College, Kolhapur (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 -III: Advanced Tools, Techniques in Geography**

| Month – December | | | Module/Unit: | Sub-units planned |
|------------------|-----------|-------|--|---|
| Lectures | Practical | Total | Module- I – Introduction to Computer | 1.1: Computer Fundamentals: Definition, Structure, Characteristics, Hardware & Software. 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 |
| - | 30 | 30 | | |
| Month - January | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- II – Remote Sensing | 2.1 Definitions of Remote Sensing. 2.2 Fundamentals of Remote Sensing: EMR, Sensors and 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. |
| - | 30 | 30 | | |
| Month – February | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- III- Geographical Information System (GIS) | 3.1 Geographical Information System (GIS) 3.1.1 Definition and components 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 |
| - | 30 | 30 | | |
| Month - March | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module- IV- Global Positioning System (GPS) Field Work | 4.1 Global Navigation Satellite System (Global Positioning System) 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. |
| - | 30 | 30 | | |
| Month – April | | | Module/Unit: | Sub-units planned |
| Lectures | Practical | Total | Module-I, II, III & IV | Revision |

Name and Signature of Teacher

Name and Signature of HoD

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

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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: Major- Physical Geography

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

Nisha

Name and Signature of Teacher



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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

Nisha

Name and Signature of Teacher



Name and Signature of HOD

(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Geography
Academic Year – 2025-26

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

Nisha



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Geography
Academic Year – 2025-26

Annual Teaching Plan Name 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 Watershed Management | 1.1 Fundamentals of Watershed Management 1.2 Watershed Characteristics and Processes |
| 8 | 0 | 8 | | |
| Month - August | | | Module/Unit: | |
| Lectures | Practical | Total | Module- II – Introduction to Watershed Management | 1.3 Watershed Degradation and Challenges 1.4 Role of RS and GIS in Watershed Assessment and Monitoring |
| 8 | 0 | 8 | | |
| Month - September | | | Module/Unit: | |
| Lectures | Practicals | Total | Module- II – Watershed Management Practices | 2.1 Role of Local Communities in Watershed Management |
| 8 | 0 | 8 | | |
| Month - October | | | Module/Unit: | |
| Lectures | Practicals | Total | Module- IV – Watershed Management Practices | 2.2 Watershed Management Techniques- Check Dams, Contour Bunding, and Terracing |
| 8 | 0 | 8 | | |

Nisha



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan Name 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 | Lectures | Total | Module- II – Introduction to OJT program structure | 1.1 Students understand OJT purpose, rules, and safety measures |
| 4 | - | 4 | | |
| Month - August | | | Month - August | Sub-units planned |
| Lectures | Lectures | Total | Module- II – Introduction to OJT program structure | 1.2 Improved communication and job- readiness |
| 4 | - | 4 | | |
| Month - September | | | Month - September | Sub-units planned |
| Lectures | Lectures | Total | Module- II – Manufacturing Activities | 1.3 Gain industry-specific skills; understand workflow |
| 4 | - | 4 | | |
| Month - October | | | Month - October | Sub-units planned |
| Lectures | Lectures | Total | Module- IV – Economic Activitie | 1.4 Identify strengths, weaknesses, and areas for improvement |
| 4 | - | 4 | | |

Nisha



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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: Major- Human Geography

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

Nisha

Name and Signature of Teacher



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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 | | | 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 Google Earth map |
| 08 | - | 08 | | |
| Month – February | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Introduction to Google Earth | 1.3 Importance of Google Earth in Research |
| 08 | - | 08 | | |
| Month – March | | | 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 Google Earth |
| 08 | - | 08 | | |
| Month – April | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Application of Google Earth: Practical | 2.3 Point, Line, Polygon |
| 08 | - | 08 | | |

Nisha

Name and Signature of Teacher



Name and Signature of HOD

(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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

Nisha

Name and Signature of Teacher



Name and Signature of HOD

(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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: **VSC – Disaster Management**

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

Nisha

Nisha

Name and Signature of
Teacher



(Signature)
(Dr. G. S. Ubale)

Name and Signature of HOD
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan Name of the teacher: **Dr. Nisha Ashish Surve**

Programme- B.A. Semester – VI

Subject:- Geography Course Title: **Project**

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

Nisha



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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

Nisha



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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 Floor | Ocean floor topography: Continental shelf, slope, and rise, Submarine channels and canyons, Hills, ridges, and trenches, Abyssal plains |
| 16 | - | 16 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Geological Features of the Ocean Floor | Bottom relief of: Pacific Ocean, Atlantic Ocean, Indian Ocean |
| 16 | - | 16 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Biological Oceanography, Ocean Resources & Environmental Issues | Biological productivity in oceans, Coral reefs: origin, growth, and distribution, Ocean deposits: origin, types (terrigenous, biogenous, hydrogenous), and distribution, |
| 16 | - | 16 | | |
| Month – October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Biological Oceanography, Ocean Resources & Environmental Issues | Sea level changes and their causes, Marine resources: renewable and non-renewable, Oceanic regions and marine biodiversity, Marine pollution: types, causes, and impacts. |
| 16 | - | 16 | | |

Nisha



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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 Products | Platform and Sensors, Orbits, Types of Sensors, |
| 16 | - | 16 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Platform, Sensors and Data Products | Fundamentals of Radiometry. Data Products and RS data errors |
| 16 | - | 16 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Stereo and Digital Photogrammetry | Stereo Photogrammetry: Introduction, orientation of serial photographs -inner, relative, absolute orientation, Collinearity and Coplanarity conditions, Concept of Rotation Matrix. |
| 16 | - | 16 | | |
| Month – October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Stereo and Digital Photogrammetry | Digital Photogrammetry: Concept and Techniques of Digital Photogrammetry, Data Generation and Research Application of Certosat-1 Data, Lidar-ultrimeter |
| 16 | - | 16 | | |

Nisha



(Signature)
(Dr. G. S. Ubale)

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

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**

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 | <ul style="list-style-type: none"> ➤ 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 |
| 16 | - | 16 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Contribution of Eminent Scientists in the Development of Science and Technology | <ul style="list-style-type: none"> ➤ Newton ➤ Einstein ➤ Edison ➤ Dr. Homi Bhabha ➤ Dr. M. S. Swaminathan ➤ Dr. A. P. J. Abdul Kalam |
| 16 | - | 16 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Science Technology & Human Health | <ul style="list-style-type: none"> ➤ Impact of Science and Technology on 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 |
| 16 | - | 16 | | |
| Month – October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – Non-Conventional Power Recourses of India | <ul style="list-style-type: none"> ➤ Importance of Power Recourses ➤ Types of Power recourses ➤ Non- Conventional Power Recourses ➤ Solar Energy, Wind Energy, Nuclear Energy ➤ Bio Energy, Geo- thermal Energy, Tidal Energy ➤ Carbon Credits |
| 16 | - | 16 | | |


 Name and Signature of Teacher
 (Dr. Siddharth S. Ghoderao)




 Name and Signature of HOD
HEAD
 DEPARTMENT OF GEOGRAPHY
 VIVEKANAND COLLEGE, KOLHAPUR
 (EMPOWERED 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**

Program- B.Com. Semester – II

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

| Month – July | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|---|---|
| Lectures | Practical | Total | Module- I – Disaster Management | <ul style="list-style-type: none">➤ Introduction➤ Definition➤ Management➤ Classification➤ Elements of➤ Disaster |
| 16 | - | 16 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II- Means of Communication and Information Technology | <ul style="list-style-type: none">➤ History of Communication➤ Information Tech.➤ Computer Network➤ Internet➤ GIS, GPS |
| 16 | - | 16 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Science, Technology & Agriculture | <ul style="list-style-type: none">➤ Irrigation Tech.➤ Fertilizers➤ HYV➤ Plant Protection➤ Green Revolution➤ Tissue Culture |
| 16 | - | 16 | | |
| Month – October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV – ScienceTech. Space and Ocean research | <ul style="list-style-type: none">➤ Satellite era➤ Rocket Tech.➤ Indian Space Prog.➤ INO- Ocean Studies |
| 16 | - | 16 | | |

Siddharth

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)



[Signature]

Name and Signature of HOD

HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED 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- B.A.II Semester – III

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

| Month – July | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|---------------------------------------|--|
| Lectures | Practical | Total | Module- I – Introduction to Computer | <ul style="list-style-type: none">➤ History and Generations of Computer➤ Hardware |
| 8 | - | 8 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Introduction to Computer | <ul style="list-style-type: none">➤ Software➤ Characteristics of computers➤ Importance of Computer |
| 8 | - | 8 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Application of MS Office | <ul style="list-style-type: none">➤ Memory➤ Introduction to MS Word➤ Introduction to MS Excel |
| 8 | - | 8 | | |
| Month – October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Application of MS Office | <ul style="list-style-type: none">➤ Introduction to MS PowerPoint |
| 8 | - | 8 | | |

Siddharth

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)



[Signature]

Name and Signature of HOD

HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED 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- 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 | <ul style="list-style-type: none">➤ Concept of biodiversity➤ Biodiversity region and hotspots in India |
| 8 | - | 8 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Biodiversity and its conservation | <ul style="list-style-type: none">➤ Significance of biodiversity➤ Conservation of biodiversity |
| 8 | - | 8 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Environmental Pollution | <ul style="list-style-type: none">➤ Concept of Pollution➤ Air pollution-Causes, effects and control measures |
| 8 | - | 8 | | |
| Month – October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Environmental Pollution | <ul style="list-style-type: none">➤ Water pollution-Causes, effects and control measures➤ Soil pollution-Causes, effects and control measures |
| 8 | - | 8 | | |

Siddharth

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)



[Signature]

Name and Signature of HOD

HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED 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- B.A.III Semester – IV

Subject:- Geography 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. |
| - | 8 | 8 | | |
| Month – December | | | 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. |
| - | 8 | 8 | | |
| 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. |
| - | 8 | 8 | | |
| Month – February | | | Module/Unit: 2 | 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. |
| - | 8 | 8 | | |
| Month – March | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 1 and 2 | Revision |
| - | 8 | 8 | | |

Siddharth

Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)



[Signature]

Name and Signature of HOD

HEAD

**DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED 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 – I

Subject:- Geography Course Title: **Principles of Climatology**

| Month – July | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|---|--|
| Lectures | Practical | Total | Module- I – Introduction to Climatology | <ul style="list-style-type: none"> ➤ Significance of Climatology ➤ Modern Climatological studies ➤ Origin and evolution of the earth's atmosphere |
| 8 | - | 8 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Introduction to Climatology | <ul style="list-style-type: none"> ➤ Structure and Composition of Atmosphere ➤ Insolation, ➤ Heat Budget of the Earth and Atmosphere |
| 8 | - | 8 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Motion in the Atmosphere | <ul style="list-style-type: none"> ➤ Air Pressure ➤ Pressure measurement and distribution ➤ Factors affecting wind, Pressure belts |
| 8 | - | 8 | | |
| Month – October | | | Module/Unit: | |
| Lectures | Practicals | Total | Module- II – Motion in the Atmosphere | <ul style="list-style-type: none"> ➤ Classification of Wind ➤ Planetary winds, Monsoon and Local winds ➤ Types of Air Masses |
| 8 | - | 8 | | |


Name and Signature of Teacher
(Dr. Siddharth Somnath Ghoderao)




Name and Signature of HOD
HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
EMPOWERED AUTONOMOUS

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 | Practical | Total | Module- I – Global Climate Change Issues and Impacts | <ul style="list-style-type: none"> ➤ 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 |
| 8 | - | 8 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Global Climate Change Issues and Impacts | <ul style="list-style-type: none"> ➤ Causes, impacts and society's response to change in air quality and atmospheric pollution ➤ Causes and impacts of greenhouse gas (GHGs) emission ➤ ozone layer depletion ➤ acid rain ➤ El-nino and southern oscillation (ENSO) |
| 8 | - | 8 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III – Natural Hazards and Disasters | <ul style="list-style-type: none"> ➤ Meaning and types of hazards and disasters ➤ Causes and impacts of natural and man-made disasters |
| 8 | - | 8 | | |
| Month – October | | | Module/Unit: | |
| Lectures | Practicals | Total | Module- III – Natural Hazards and Disasters | <ul style="list-style-type: none"> ➤ (earthquake, volcanic eruption, landslides, avalanches, cyclones, floods, droughts, tsunamis, forest fire, nuclear, biological and chemical disasters ➤ Disaster exposure and vulnerabilities in Maharashtra, India and the world. |
| 8 | - | 8 | | |

Siddharth
 Name and Signature of Teacher
 (Dr. Siddharth Somnath Ghoderao)



[Signature]
 Name and Signature of HOD
HEAD
 DEPARTMENT OF GEOGRAPHY
 VIVEKANAND COLLEGE, KOLHAPUR
 (EMPOWERED 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- 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 | <ul style="list-style-type: none"> ➤ Introduction Definition ➤ Development ➤ Overview of Remote Sensing System ➤ Electromagnetic radiation (EMR) ➤ Theories of EMR |
| 8 | - | 8 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Introduction to Remote Sensing | <ul style="list-style-type: none"> ➤ Laws of Radiation ➤ EM Spectrum ➤ Sources of EMR ➤ Interaction of EMR with earth & atmosphere |
| 8 | - | 8 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Basics of Photogrammetry | <ul style="list-style-type: none"> ➤ Photogrammetry: Basic aerial Photography ➤ Basic geometry of aerial photograph ➤ central and orthographic projections |
| 8 | - | 8 | | |
| Month – October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Basics of Photogrammetry | <ul style="list-style-type: none"> ➤ difference between map and aerial photograph ➤ Types of aerial photographs ➤ Aerial Photo and Image Interpretation ➤ Elements of visual interpretation for aerial photos and satellite imageries |
| 8 | - | 8 | | |


Name and Signature of Teacher
(Dr. Siddharth S. Ghoderao)




Signature of HOD

HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(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 | Practical | Total | Module- I – Introduction to Remote Sensing | <ul style="list-style-type: none"> ➤ Introduction Definition ➤ Development ➤ Overview of Remote Sensing System ➤ Electromagnetic radiation (EMR) ➤ Theories of EMR |
| 8 | - | 8 | | |
| Month – August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- I – Introduction to Remote Sensing | <ul style="list-style-type: none"> ➤ Laws of Radiation ➤ EM Spectrum ➤ Sources of EMR ➤ Interaction of EMR with earth & atmosphere |
| 8 | - | 8 | | |
| Month – September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II – Basics of Photogrammetry | <ul style="list-style-type: none"> ➤ Photogrammetry: Basic aerial Photography ➤ Basic geometry of aerial photograph ➤ central and orthographic projections |
| 8 | - | 8 | | |
| Month – October | | | Module/Unit: | |
| Lectures | Practicals | Total | Module- II – Basics of Photogrammetry | <ul style="list-style-type: none"> ➤ difference between map and aerial photograph ➤ Types of aerial photographs ➤ Aerial Photo and Image Interpretation ➤ Elements of visual interpretation for aerial photos and satellite imageries |
| 8 | - | 8 | | |


Name and Signature of Teacher

(Dr. Siddharth S. Ghoderao)




Signature of HOD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 - June 2025 | | | Module/Unit: 1 | Sub-units planned |
|------------------------|-----------|-------|--------------------------------------|--|
| Lectures | Practical | Total | I – Introduction to Science Tech. | A) Definition ,Nature ,Scope B) Importance of Science C) Science and superstition |
| 8 | - | 8 | | |
| Month July 2025 | | | Module/Unit: 2 | Sub-units planned |
| Lectures | practical | Total | II – Contribution of scientist | A) Newton B) Einestine C) Edison D) Homibhabha E) Swaminathan F) Dr. A P J Abdulkalam |
| 8 | - | 8 | | |
| Month August 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 2025 | | | Module/Unit:4 | Sub-units planned |
| 8 | - | 8 | IV– Non Conventional Power resources | A) Types of resources B) Solar energy C) Wind Energy |
| Month October 2025 | | | Module/Unit: | Sub-units planned |
| 8 | - | 8 | IV– Non Conventional Power resources | D) Types of resources E) Solar energy F) Wind Energy |
| Semester - 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 2025 | | | 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 | - | 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 | - | 8 | IV – Disaster Management | F) Earth quake G) Flood H) Fire I) Accident J) croud |

Name and Signature of Teacher



Name and Signature of HOD

HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
EMPOWERED AUTONOMOUS

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 Features and Profile Analysis | .1 Slope and Gradient 1.1.1 Types of Slopes: Gentle, Steep, Even, 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 |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III Slope, Relief Features and Profile Analysis | .1.2 Expression of Slopes: a) Gradient b) Degree c) Per Cent d) Mills 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. |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III Slope, Relief Features and Profile Analysis | .1.2 Expression of Slopes: a) Gradient b) Degree c) Per Cent d) Mills 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. |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- III Slope, Relief Features and Profile Analysis | 1.2 Profiles 1.2.1 Superimposed Profile 1.2.2 Composite Profile 1.2.3 Projected Profile 1.2.4 Longitudinal Profile |
| 8 | - | 8 | | |

Palkar

Name and Signature of Teacher



[Signature]

Name and Signature of HoD

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



Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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: **Biogeography (Minor)**

| Month - July | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|--|---|
| Lectures | Practicals | Total | 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 |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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 |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II Vegetation Ecology and Global Flora Pattern | 2.1 Ecological Classification of Plants (Hydrophytes, Mesophytes, 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 |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II Vegetation Ecology and Global Flora | 2.1 Ecological Classification of Plants (Hydrophytes, Mesophytes, Xerophytes, Halophytes) 2.2 Factors Affecting the Distribution |
| 8 | - | 8 | | |

| | | | | |
|--|--|--|---------|--|
| | | | 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 |
|--|--|--|---------|--|

Pallavi

Name and Signature of Teacher



[Signature]

Name and Signature of HoD

HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
EMPOWERED AUTONOMOUS

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|---|--|
| Lectures | Practicals | Total | 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) |
| 24 | - | 24 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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) |
| 24 | - | 24 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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 classification Exercise-15: Accuracy assessment |
| 24 | - | 24 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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 classification Exercise-15: Accuracy assessment |
| 24 | - | 24 | | |

Name and Signature of Teacher



Name and Signature of HoD

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



Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan

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

Programme- M.A. Semester – IV

Subject: - **DSC-PR-IV- Geographical Data Representation Methods**

| Month - December | | | Module/ Unit: | Sub-units planned |
|------------------|------------|-------|-------------------|--|
| Lectures | Practicals | Total | Module-III | 19-20: Analysis of industrial intensity: location quotient, index of similarity, location coefficient, location curve. 21: Measurement of industrial development 22-24: Road accessibility matrix, gravity model showing transport interaction, traffic flow analysis. |
| 8 | - | 8 | | |
| Month - January | | | Module/ Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module-III | 19-20: Analysis of industrial intensity: location quotient, index of similarity, location coefficient, location curve. 21: Measurement of industrial development 22-24: Road accessibility matrix, gravity model showing transport interaction, traffic flow analysis. |
| 8 | - | 8 | | |
| Month - February | | | Module/ Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module-IV | 25: Nearest Neighbor Analysis. 26: Density functions and pattern analysis of 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 |
| 8 | - | 8 | | |
| Month - March | | | Module/ Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module-IV | 25: Nearest Neighbor Analysis. 26: Density functions and pattern analysis of 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 (Harris and Nelson). |
| 8 | - | 8 | | |

Palkar
Name and Signature of Teacher



[Signature]
Name and Signature of HoD
HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

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 | Practicals | Total | 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. |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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. |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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. |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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. |
| 8 | - | 8 | | |


Name and Signature of Teacher




Name and Signature of HoD

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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan

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

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

Subject:- **DSE39GEO19 Advance GIS and Computer Programming**

| Month - July | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|--|---|
| Lectures | Practicals | Total | Module- II Advance QGIS | <ol style="list-style-type: none"> 1. Data query: Spatial and Attribute. 2. Animating Time Series Data 3. Interpolating Point Data 4. Travel Time Analysis with Uber Movement 5. Service Area Analysis using Open route service 6. Working with Google Earth. |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II Advance QGIS | <ol style="list-style-type: none"> 7. Data query: Spatial and Attribute. 8. Animating Time Series Data 9. Interpolating Point Data 10. Travel Time Analysis with Uber Movement 11. Service Area Analysis using Open route service 12. Working with Google Earth. |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV Practicals of ArcPro Software - Part 2 | <ol style="list-style-type: none"> 13. Map Design: Layout and Map Composition. 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 |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV Practicals of ArcPro | <ol style="list-style-type: none"> 18. Map Design: Layout and Map Composition. 19. Spatial Analysis-I: Query By Location/Attribute, Identifying Spatial |
| 8 | - | 8 | | |

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

Palkoe
Name and Signature of Teacher



[Signature]
Name and Signature of HoD
HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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**

| Month - July | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|---|--|
| Lectures | Practicals | Total | 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. |
| 8 | - | 8 | | |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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. |
| 8 | - | 8 | | |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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. |
| 8 | - | 8 | | |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 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. |
| 8 | - | 8 | | |

Name and Signature of Teacher



Name and Signature of HoD

HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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**

| Month - July | | | Module/Unit: | Sub-units planned |
|-------------------|------------|-------|--|---|
| Lectures | Practicals | Total | Module- II Advance QGIS | 23. Data query: Spatial and Attribute. |
| 8 | - | 8 | | 24. Animating Time Series Data 25. Interpolating Point Data 26. Travel Time Analysis with Uber Movement 27. Service Area Analysis using Open route service 28. Working with Google Earth. |
| Month - August | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- II Advance QGIS | 29. Data query: Spatial and Attribute. |
| 8 | - | 8 | | 30. Animating Time Series Data 31. Interpolating Point Data 32. Travel Time Analysis with Uber Movement 33. Service Area Analysis using Open route service 34. Working with Google Earth. |
| Month - September | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | Module- IV Practicals of ArcPro Software - Part 2 | 35. Map Design: Layout and Map Composition. |
| 8 | - | 8 | | 36. 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 37. Spatial Analysis-II: Interpolation Methods, Viewshed and Watershed Analysis, Surface and Grid Analysis: DEM, DSM and DTM, Creating 3D data, Animation 38. Applications: Calculation of Vegetation and Water Indices, Slope and Contour, Network Analysis. 39. Import and Create 3D Model in |

| | | | | |
|-----------------|------------|-------|--|---|
| | | | | ArcGIS Pro |
| Month - October | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | | |
| 8 | - | 8 | Module- IV Practicals of ArcPro Software - Part 2 | 40. Map Design: Layout and Map Composition. 41. 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 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 |

Palkoe
Name and Signature of Teacher



[Signature]
Name and Signature of HoD
HEAD
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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

| Month – July | | | Module/Unit: 1 | Sub-units planned |
|-------------------|------------|-------|---|---|
| Lectures | Practical | Total | Introduction to Science and Technology | 1. Definition, Nature, scope 2. Fundamental Concept 3. Stages in the Study of Science: 4. Impact of Science and Technology on Society 5. Science and Superstitions 6. Development of Science and Technology |
| 16 | - | 16 | | |
| Month – August | | | Module/Unit: 2 | Sub-units planned |
| Lectures | Practicals | Total | Contribution of Eminent Scientists in the Development of Science and Technology | 1. Newton 2. Einstein 3. Edison 4. Dr. Homi Bhabha 5. Dr. M. S. Swaminathan 6. Dr. A. P. J. Abdul Kalam |
| 16 | - | 16 | | |
| Month – September | | | Module/Unit: 3 | Sub-units planned |
| Lectures | Practicals | Total | Science Technology & Human Health | 1. Impact of Science and Technology on 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 |
| 16 | - | 16 | | |
| Month – October | | | Module/Unit: 4 | Sub-units planned |
| Lectures | Practicals | Total | Non-Conventional Power Recourses of India | 1 Importance of Power Recourses 2 Types of Power recourses 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 |
| 16 | - | 16 | | |
| Month – November | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 1 to 4 | Revision |
| 16 | - | 16 | | |

Dr. Vitthal Maruti Patil
Name and Signature of Teacher



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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 - II Div : A

Course Title: Science Technology and Development

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


Dr. Vitthal Maruti Patil
Name and Signature of Teacher




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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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: Agricultural Geography

| Month – July | | | Module/Unit: 2 | Sub-units planned |
|-------------------|------------|-------|--|---|
| Lectures | Practical | Total | Agricultural Systems and Land use Theory | 1.Major Agricultural Systems of the World Nomadic herding, Livestock ranching, Sifting cultivation, Intensive subsistence Farming, Commercial farming and Horticulture 2.Von Thunen's theory of agricultural land use |
| 8 | - | 8 | | |
| Month –August | | | Module/Unit: 2 | Sub-units planned |
| Lectures | Practicals | Total | Agricultural Systems and Land use Theory | 1.Major Agricultural Systems of the World Nomadic herding, Livestock ranching, Sifting cultivation, Intensive subsistence Farming, Commercial farming and Horticulture 2.Von Thunen's theory of agricultural land use |
| 8 | - | 8 | | |
| Month – September | | | Module/Unit: 4 | Sub-units planned |
| Lectures | Practicals | Total | Land Record and Marketing | 1. Land Records: 7/12, 16A, Pherphar etc. 2. Importance of Land Revenue 3.Agricultural Marketing |
| 8 | - | 8 | | |
| Month – October | | | Module/Unit: 4 | Sub-units planned |
| Lectures | Practicals | Total | Land Record and Marketing | 1. Land Records: 7/12, 16A, Pherphar etc. 2. Importance of Land Revenue 3.Agricultural Marketing |
| 8 | - | 8 | | |
| Month –November | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 2 and 4 | Revision |
| 8 | - | 8 | | |

Dr. Vitthal Maruti Patil
Name and Signature of Teacher



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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan

Name of the teacher: Dr. Vitthal Maruti Patil

Programme- B.A.III Geography Semester - V

Subject: - Geography

Course Title: Practical Paper

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

Dr. Vitthal Maruti Patil
Name and Signature of Teacher



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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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



Dr. Vitthal Maruti Patil
Name and Signature of Teacher




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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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



Dr. Vitthal Maruti Patil
Name and Signature of Teacher




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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 Methodology: An Introduction | 1. Definition, meaning, objectives and 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 |
| 16 | - | 16 | | |
| Month – August | | | Module/Unit: 2 | Sub-units planned |
| Lectures | Practicals | Total | Data collection and Preparation | 1. Data types, Data sources and data collection Methods 2. Preparation of schedule & questionnaire 3. Concept of qualitative and quantitative analysis of data 4. Presentation and interpretation of data |
| 16 | - | 16 | | |
| Month – September | | | Module/Unit: 3 | Sub-units planned |
| Lectures | Practicals | Total | Effective Research Writing | 1. Literature review; writing styles and manuals 2. Writing of abstracts, project report and research papers 3. Referencing system, references, webliography, bibliography 4. Footnotes, glossary, appendices |
| 16 | - | 16 | | |
| Month – October | | | Module/Unit: 4 | Sub-units planned |
| Lectures | Practicals | Total | Recent Trends in Geographical Research and Publication | 1. Recent trends in Physical and Human 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 |
| 16 | - | 16 | | |
| Month – November | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 1 to 4 | Revision |
| 16 | - | 16 | | |

Dr. Vitthal Maruti Patil
Name and Signature of Teacher



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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan

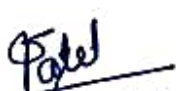
Name of the teacher: Dr. Vitthal Maruti Patil

Subject: - Geography

Programme- M.A.I Geography Semester - II

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 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 – 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 – February | | | Module/Unit: 2 | 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 –March | | | Module/Unit: | Sub-units planned |
| Lectures | Practicals | Total | 1 and 2 | Revision |
| - | 16 | 16 | | |


Dr. Vitthal Maruti Patil
Name and Signature of Teacher




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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Geography

Academic Year – 2025-26

Annual Teaching Plan

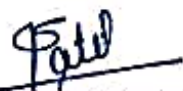
Name of the teacher: Dr. Vitthal Maruti Patil

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



Dr. Vitthal Maruti Patil
Name and Signature of Teacher




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

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

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 | Dissertation | Dissertation |
| - | 16 | 16 | | |
| Month – December | | | Module/Unit: 1 | Sub-units planned |
| Lectures | Practicals | Total | Dissertation | Dissertation |
| - | 16 | 16 | | |
| Month – 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 | Revision |
| - | 16 | 16 | | |

Dr. Vitthal Maruti Patil
Name and Signature of Teacher



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