

Programme Outcomes & Course Outcomes
Department of Geography
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Programme Outcomes

- **Started as a General Course department 2018**
- Instill confidence and develop a sense of identity in facing the real world. · Foster cooperation among students enabling them to connect and contribute towards teamwork activities. ·
- Develop effective communications skills that promote leadership qualities individually as well as within a group. ·
- Develop critical thinking and skills that train students to analyze problems and validate real life solutions. ·
- Prepare objective scientific approach so that students can address research problems in Applied Geography and allied fields. ·
- Strive towards making enlightened citizens with commitment and empathy to social concerns. Inculcate a sense of environmental ethics that focus research and concerns on sustainability. Inculcate strong moral and ethical values and a sense of discipline among the students.
- Ensure that the lessons are self-directed and lead to lifelong learning

Course Outcomes

Semester-1

Geomorphology & Geotectonics:-

KNOWLEDGE GAINED:

Study landforms and the related processes from the traditional concept to the contemporary development in Geomorphology and Geotectonics . Gain in-depth knowledge on the influence of various types of rocks on the development and evolution of the landforms; hydrologic characteristics of an open channel flow that produce erosional and depositional landforms; form process interaction in the landform development and some modern methods of

geomorphic analysis of the landforms through the concept of geomorphic threshold, geochronological methods and extreme events and equilibrium .

SKILL GAINED: The skill for understanding the landform in a systematic way.

COMPITENCY DEVELOPED: Geomorphology and Geotechtonics adapt to continious progress.

Cartography

- **KNOWLEDGE GAINED:**

Gain in-depth knowledge on spherical trigonometry, conical, cylindrical and conventional types of projections; surveying using theodolite; photogrammetry and Arialphoto interpretation; remote sensing and GIS and instruments namely GPS, Total Station, Clinometer and Box Sextant

- **SKILLS GAINED:**

- To provide conceptual knowledge and training in various fields of Cartography
- Develop cartographic skills which help the students depict and represent the geographic information on the map

- **COMPETENCY DEVELOPED:**

- Ability to understand and read maps and develop cartographic skills by which they will be able to create maps on their own

Semester-2

CLIMATOLOGY

KNOWLEDGE GAINED:

- Acquire clear concepts of climatology
- Greater understanding of the nature and scope of climatology; climate change and its impacts
- **SKILLS GAINED:**
- Study various methods of data collection, check weather conditions and learn the theoretical basis of meteorological instruments.
- **COMPETENCY DEVELOPED:**
- Response to global warming at individual as well as societal levels; responding to issues of climate change and its impacts
- Weather interpretation and forecasting with focus on application of hydro-meteorology for future research work.

Soil and Bio-geography

- **KNOWLEDGE GAINED:**

- The distribution patterns of the plants and animals and the processes involved focusing on its development and content, the concept of habitat, plant-animal association, zoogeography as well as phytogeography with the objectives of understanding the geography of living organism in the earth in a more analytical perspective.
- **SKILL DEVELOPED:**
Ability to see the animate world from geographical perspective.
- **COMPETENCY DEVELOPED:**
Use of the knowledge in further academic development.

Surveying and Levelling

- **KNOWLEDGE GAINED:**
Have an in-depth knowledge on Plate table survey; counteracting with Dumpy Level; measuring of height and traversing by Theodolite
- **SKILLS GAINED:**
Acquire knowledge and clear concepts of the different survey instruments
- **COMPETENCY DEVELOPED:**
Acquire competence in handling surveying instruments in individual capacity

Semester-3

Human Geography

- **KNOWLEDGE GAINED:**
Develop the practical concepts of population geography and demographic studies related to trends, patterns and measures of population dynamics
- **SKILLS GAINED:**
Acquire knowledge and training to collect and analyze data from the primary and secondary sources
- **COMPETENCY DEVELOPED:**
Apply requisite analytical and technical skills in diverse fields of population.

Map Projections

- **KNOWLEDGE GAINED:**
Gain knowledge in theoretical concept of Simple Conical Projection with two Standard Parallels, Conical Equal Projection with one Standard Parallels.
- **SKILLS GAINED:**
Acquire knowledge and clear concepts of the different types of map projection

HONOURS GE

- Students will understand about Different types disasters and hazards
- Response of the people to hazards.
- Hazards of India.

Semester-3

SEC-01/A

- ***Computer Basics & Computer Applications in Geography***
- **KNOWLEDGE GAINED:**
- Gain knowledge with both the hardware components of computer as well as software utilization through study of Computer organization, Component of Software, Operating Systems: MS-DOS, MS-Windows, Data Structure and Data Format, A – D and D – A presentation, Data representation, Computer Programming and Networking, Familiar with MS-Office, Page Maker, Corel Draw, Scanning, Geo-referencing, Sub-setting, Database creation, Theme layer creation, Classification and Re-classification, and Mapping.
- **SKILL GAINED:**
- The skill for utilizing the computer in data representation.
- **COMPETENCY DEVELOPED:**
- Ability to prepare digital map with synthesized data.

Semester-4

Environmental Geography & Field Work

- **KNOWLEDGE GAINED:**

The students acquired the information about environment. Acquired information about climatic, earth's and anthropogenic movement and environment changes. The students improved their role in environment. The students increased the knowledge in research. To create awareness about environment in the society.

SKILL GAINED:

- Acquire knowledge and clear concepts of the different types of environment

Study of Topographical Maps

- **KNOWLEDGE GAINED:**
- Use of topographical maps to perceive a landform or river basin and the interrelationship of the physical and cultural parameters. to efficiently use the topographical maps to obtain data with an objective to learn some quantitative techniques like basic morphometric analysis, nearest neighbor analysis of the settlements and bivariate correlation study (linear regression and correlation) between the physical and cultural aspects of an area.
- **SKILL DEVELOPED:**

- Preparation of various maps and diagrams related to geographical study
- **COMPETENCY DEVELOPED:**
Capacity for using these maps and diagrams in the relevant areas.

GEO/G/SEC/P/02/B: (Practical): Field Work

Students will be know- What is research, research problem, research materials and methods
How to prepare literature review & formulation of research design The techniques of writing scientific reports of research.

* How to maintain the ethics of fieldwork.

* How the theoretical knowledge is applying on field investigation.

*How to prepare the tabulation, explain & interpretation of field work during post-field study

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REGIONAL DEVELOPMENT AND PLANNING:

Students will understand about Different types of regions and principles and needs of regional planning.

Concepts and parameters and variation of development.

Models of eminent scholars on regional development.

Causes of underdevelopment and need of balanced development.

SEMESTER-5

DSE/01: Geography of India or Economic Geography

Geography of India

- **KNOWLEDGE GAINED:**
- In-depth knowledge of climate, natural vegetation, agriculture and energy resources and industries of India
- **SKILLS GAINED:**
- Conceptualize the regional approaches and to examine regional differentiation in the study of India
- **COMPETENCY DEVELOPED:**
- Recognize regional identities and environmental dimension of regionalization to address the issues and concern needed for regional planning

GEO/G/SEC/P/03/B: (Practical): Collection, Mapping and Interpretation of Climatic Data

Students will be able to – Develop knowledge on Indian Daily Weather

- Report and its interpretation. Learn to prepare various climatic maps, charts
- and how to interpret them.

GEO/G/GE/T/01: (Theory): Disaster Management

- Students will understand about Different types disasters and hazards
- Response of the people to hazards.
- Hazards of India.

SEMESTER-6**GEO/G/DSE/T/02/A: (Theory): Disaster Management**

- Students will understand about Different types disasters and hazards
- Response of the people to hazards.
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GEO/G/SEC/P/04/B: (Practical):

Gain in-depth knowledge on the influence of various types of rocks and minerals on the development and evolution of the landforms and their characteristics

SKILL GAINED: The skill for understanding the characteristics of various types of rocks and minerals in a systematic way.

GEO/G/GE/T/02: (Theory): Sustainable Development

- Apply theoretical frameworks to real world sustainability issues.
- Develop an informed ethical perspective on issues of sustainability.
- Cultivate a sense of civic responsibility, including reflection on the student's own role in developing and nurturing sustainable communities.

Skills-

- Practice community engagement through writing, speaking, and other forms of public discourse.
- Exemplify effective agents of change in individual, local, and global contexts.