Department of Geography

Programme Outcome:

- **Course- Outcome of Geography Undergraduate Program**

A study of Geography of the undergraduate level entails the study of Geo tectonic, Geomorphology, Bio Geography, Soil Geography, Human Geography, Cartography and its Methods and Techniques. The correlation between nature and human can only be well understood through this discipline. The mapping techniques are guides to represent all the physical, social, cultural features maintaining proper scaling and elaborative description. The surveys and other projects & analysis are very helpful in carrying out a research carrier for the students.Besides this practical course imparts training and skills of map making, field survey and research. The classroom teaching is sufficiently supplemented by the invited lectures, workshops and field excursions. With the introduction of Geo- informatics comprising techniques such as Remote Sensing, GIS, GPS etc., the capacity to attempt analysis has increased tremendously. As geography is divided into various branches which have further scope future study like Climatology, Oceanography, Remote sensing and GIS After completion of this programme students can get ready not only for jobs but also for various research activities in National and International level.

Subject – Geography (General)

Semester – I

DSC-1AT (CC -01): Physical Geography

- The students will be familiar with the Earth system and Internal Structure of Earth based on Seismic Evidence.
- Develop the concrete idea about Heat Balance, Global Circulation Pattern, Tropical Cyclones, Monsoon, Climatic Classification (Koppen).
- Development of idea regarding plate tectonics, Landscape evolution of Davis and Penck.
- Emphasis on the concept of Hydrological Cycle, Ocean Bottom Relief Features, Tides and Currents.

Semester - II

DSC-1BT (CC-02): Human Geography

- Gain knowledge about major themes of human Geography.
- Build an idea about rural and urban settlements.

Semester – III

DSC – 1CT&P (CC03): Maps and Diagrams

- Gain knowledge about types, elements and uses of maps.
- Develop an idea about scale and draw different types of scale like linear, comparative and their importance in the cartography.

- Acquire knowledge about different types of map projections and their utility in constructing the various types of map, different techniques of cartograms.
- Build an idea about Prismatic compass and Levelling Surveying.

SEC-1T: Remote Sensing

- Have the knowledge of the principles of remote sensing, sensor resolutions and Principles of preparing Standard False Colour Composites (SFCC).
- To prepare inventories of land use land cover (LULC) features from satellite images.

Semester: IV

DSC-1DT (CC-04): Environmental Geography

- Gain knowledge about concept, approaches of environmental geography and components of environment.
- Develop an idea about human-environment relationships.
- Learn about Environmental Problems and Management, Environmental Programmes and Policies, New Environmental Policy of India; Government Initiatives.

SEC-2T: Regional Planning and Development

- To acquire knowledge about the concept of regional planning and development, their utilisation in different fields of geography.
- Build an idea about theories and models for regional development and their utility in today's world.
- Emphasis on Backward Regions and Regional Plans in India.

Semester: V

DSE- 1T : Geography of India

- The objective of the course is to understand India in terms of physical setting like Location, Structure and Relief, Drainage, Climate.
- In depth knowledge of livestock, power, mineral, agriculture, industries and modes of transportation in India.
- Student shall learn about population size and growth since 1901, Population Distribution, Literacy, Sex Ratio, Types and Patterns of rural and urban settlement system.

SEC- 3T&P: Remote Sensing and GPS based Project Report

- Understand the basic concept of Remote sensing & GIS.
- This course shall enable the students to understand the EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS.
- To prepare inventories of land use land cover (LULC) features from satellite images.
- Gain knowledge about the principles and uses of GPS.

Semester: VI

DSE-2T: Population Geography

- Students able to understand the fundamental Concepts related to Population such as distribution, density, growth, population composition, fertility & mortality etc.
- Understand the various factors responsible for World Populationgrowth and Distribution.
- Student shall learn about the demographic transition models, causes and types of migration.
- Address a variety of contemporary issues related to rapid urbanization.

SEC- 4T&P: Field Techniques and Survey based Project Report

- Students able to understandfundamental concepts and issues related to field work in geographical studies.
- Know about different types of field techniques and tools.
- The outcome of this syllabus will be to prepare a field report based on primary data and secondary data collected during field work.
