

Programme Outcome (PO)

B.A./B.Sc. Geography (CBCS – NEP 2020)

The **Undergraduate Programme in Geography** is designed to provide students with a robust understanding of physical, human, and applied aspects of geography. It aims to develop analytical thinking, spatial awareness, fieldwork proficiency, and technical skills in mapping and geospatial technologies. Upon completion of the program, students will be able to:

1. Disciplinary Knowledge

- Acquire comprehensive knowledge of physical geography (geomorphology, climatology, oceanography), human geography, and regional studies including India and Bihar.
- Understand foundational theories and contemporary issues in economic, environmental, and social geography.

2. Analytical and Theoretical Understanding

- Critically analyze and apply key geographical theories such as Von Thünen's, Weber's, Christaller's, and paradigms in geographical thought.
- Interpret human-environment interactions and assess socio-economic, cultural, and environmental dynamics.

3. Practical and Technical Skills

- Demonstrate proficiency in cartographic techniques, map projections, surveying, and statistical analysis.
- Utilize tools like remote sensing, GIS, and GPS to process, interpret, and represent spatial data.

4. Field and Research Skills

- Design and conduct field surveys using qualitative and quantitative research methods.
- Prepare detailed field reports and engage in project-based learning through disaster management and regional case studies.

5. Environmental and Social Sensitivity

- Recognize environmental challenges such as pollution, climate change, and biodiversity loss.
- Understand social structures and processes including caste, tribe, religion, and welfare geography, fostering inclusive and ethical perspectives.

6. Problem-Solving and Decision-Making

- Apply geographical knowledge to solve real-world problems related to regional planning, disaster risk reduction, and resource management.
- Make informed decisions supported by data analysis and spatial evidence.

7. Communication and Presentation Skills

- Communicate geographic ideas effectively using written reports, presentations, diagrams, and maps.
- Present statistical and spatial information using professional software and conventional cartographic tools.

8. Lifelong Learning and Career Readiness

- Prepare for competitive exams (e.g., UPSC, BPSC, NET), higher education, or employment in teaching, urban planning, GIS industries, and research.
- Develop skills for lifelong learning through the integration of technology, data handling, and analytical reasoning.