

Program Outcomes of Geography

PSO	Geography Specific Outcomes
PSO1	Students gain foundational and applied knowledge in key areas of Geography, including Geomorphology, Climatology, and Oceanography. They develop essential skills in cartography, map making, and map reading, enabling them to interpret and analyse spatial data effectively. The program also equips students with an understanding of scale representation, map projections, and basic data handling techniques, fostering analytical thinking and geographic awareness. These outcomes prepare students for advanced studies and practical applications in geography-related fields and research.
PSO2	Students acquire comprehensive knowledge of Human Geography, including the study of human races, languages, religions, and the spatial distribution of rural and urban settlements. They explore the relationship between humans and their environment through topics such as ecosystems, biomes, and environmental issues. The program also provides insight into environmental policies and sustainable development. These outcomes enhance students' understanding of cultural and environmental diversity, preparing them for careers in planning, policy-making, and geographic research.
PSO3	Students gain in-depth knowledge of remote sensing, including its types, advantages, and diverse applications in geographical studies. The program familiarizes them with the principles and techniques of spatial data acquisition and analysis. In addition, students develop an understanding of regional planning, the criteria for demarcating planning regions, and the importance of balanced development. Special focus is given to case studies such as the Damodar Valley Corporation (DVC) and Integrated Tribal Development Project (ITDP), which enhance their practical knowledge and analytical skills. These outcomes prepare students for professional roles in planning, development, geospatial analysis, and environmental management.

PSO4	Students develop a comprehensive understanding of the physiographic divisions of India, its rich resource base, diverse climatic conditions, and various soil types. The program also imparts practical knowledge through field-based learning, where students are trained in field techniques essential for geographical research. They learn to formulate questionnaires, conduct systematic field surveys, and prepare detailed field reports. These experiences enhance their observational, analytical, and report-writing skills. By combining theoretical and practical components, the program equips students for roles in environmental assessment,
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	regional planning, and research, fostering a holistic approach to the study of Indian geography.
PSO5	Students acquire foundational and applied knowledge of Geographic Information Systems (GIS), including its principles, functions, and significance in spatial analysis. The program covers various types of data structures used in GIS, such as raster and vector formats, and introduces students to data input, storage, analysis, and visualization techniques. Through hands-on experience with GIS tools and software, students learn to interpret spatial patterns and solve real-world geographical problems. These skills enhance their ability to work in fields such as urban planning, environmental management, disaster response, and geospatial research, preparing them for both academic and professional careers in geoinformatics.
PSO6	Students gain comprehensive knowledge of various types of natural and human-induced disasters, their causes, impacts, and effective management strategies. The program emphasizes disaster preparedness, risk reduction, and mitigation techniques, equipping students with the skills to respond to emergencies. Additionally, students are introduced to the fundamental concepts of sustainability and development within a global context, fostering an understanding of the interdependence between environment, economy, and society. This knowledge encourages critical thinking on sustainable practices and policy-making. Overall, the program prepares students to address global challenges related to disaster management and sustainable development through informed, responsible, and solution-oriented approaches.

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