



Learning Outcomes of Doctoral Programme in Geography

DEPARTMENT OF GEOGRAPHY

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Learning Outcome

The purpose of the PhD programme in Geography is to develop the candidate's qualifications for work that sets high standards of analytical power for scientific competence. The main component of the programme is an independent piece of research at a high scientific level. This organized academic training is intended to support the candidate's work with the doctoral thesis and to contribute to the required academic depth and breadth, enabling further development of the candidate's independent and reflective relationship to his or her own research and that of others, and the role of research in a broader context. A candidate who has completed the Ph. D. programme has achieved the following learning outcomes, defined in terms of knowledge, skills, general competence and career opportunities:

Knowledge Enhancement:

On completion of the Ph. D. programme in Geography, candidates must:

have in-depth academic knowledge within one of the specializations in the Ph. D. programme: Social Geography, Population Geography, Political Geography, Geomorphology, Climatology, Hydrology and Environmental and other development and planning issues.

have deep insight into and be able to assess the appropriateness and application of theories and methods that form the basis for one of the specializations in the Ph. D. programme.

be familiar with the research frontier of the discipline as well as important trends from a scientific advancement and social need perspectives.

be able to contribute to the development of new knowledge, new theories, methods, interpretations and forms of documentation in one of the specializations in the Ph. D. programme.

be able to contribute to the development of new knowledge, through interpretation of existing theories, methods and models and different interpretation interpretations and forms of documentation in one of the specializations in the Ph. D. programme.

Skills Development:

On completion of the Ph. D. programme in Geography, candidates must:

be able to identify and formulate research questions, hypothesis and conduct research and experimental academic and/or problem solving development at a high international level ,

be able to contribute to the development of new knowledge, new theories, methods, interpretations, disapprove the existing one and documentation in the specializations,

independently and critically, be able to evaluate methods and analysis tools and choose between alternative approaches to research questions based on an academic assessment ,

be able to handle complex academic issues and to challenge, if there is lacunae in the established knowledge and practice in the specializations ,

be able to communicate complex and advanced theories and results to different audiences, and

be able to provide teaching in Geography based on their own research.

General competence building:

On completion of the PhD programme in Geography, candidates must:

be able to communicate the role of their specialization from a holistic and coherent space and place perspectives,

be able to conduct their research in accordance with recognized ethical standards for research,

be able to identify and critically evaluate relevant techno-ethical issues within their specialization,

be able to disseminate research through recognized national and international channels such as research journals etc.,

be able to lead research projects within specified limits and participate constructively in more complex interdisciplinary research projects,

develop competence to give input in the policy making process, and

acquire skill and competence to make ready for the contemporary job market.

Career options and opportunities:

A research student after completion of the doctoral programme will be so equipped that ample career options will open and number of opportunities will be available to him/her. Apart from academics and administrative jobs, a doctoral may join different research institutes. Different field based NGOs (Pratichi Trust, ORG, Oxfam etc.) working in the field of spatial aspects of natural and human problems need geographers to help them. Different govt departments such as Census of India, Forestry, Agriculture, Irrigation and Waterways, Surface Transportation, Defense, Aviation and navigation, Mining, and Land and Land Reform are some of the examples of where there are career opportunities for the geographers with doctoral degree. Moreover, students having good knowledge of RS and GIS will have added advantages in the earth resource evaluation and in the planning processes.