

## **Post Graduate Diploma in Geo-Informatics (PGCGI) Programme**

Applications are invited for admission to the PG Diploma Course (1 year) in Geoinformatics for the session 2023-2024. Application form and other details are available at <https://www.ujodhpur.ac.in/>. Last date of submission of filled form along with required documents and fees is 15 March, 2024.

To Apply go to the following link

<https://forms.gle/emYpahtFKJh1kvGfA>

## **INTRODUCTION**

This programme emphasises on fundamental concepts of Geoinformatics, which has vast potential for applications in a number of fields such as natural resources studies and management, land use and urban planning, e-governance, climate, agriculture, health, archaeology, business, environment and disaster related studies. This programme provides the opportunity to the learners so as to develop interest and basic skills, and generate an interest to go for higher studies in Geoinformatics. The programme is built around concepts and skills at the basic level to make it easy for a learner who wishes to understand how geoinformatics can be put to practical use by providing hands-on training, which will familiarise them with the applications of geoinformatics tools.

The programme intends to make the learners aware of the conceptual theoretical background and also applications of geoinformatics in a variety of areas. The P.G. certificate programme is targeted at working professionals who have little or no exposure to geoinformatics and are interested to initiate and develop skills in this field.

Today, we live in an era that is characterised by technological advancements that are so dynamic that at times it goes beyond our imagination. In the rapidly changing world, geoinformatics has a special status. Use of geoinformatics for monitoring environment and human activities on the Earth's surface, with a view to improve Earth's environment began during the 1970s. The early weather images from India's own INSAT series of satellites brought the applications of space technology into the lives of the common man. While undoubtedly, we need a change in our attitudes and lifestyles to mitigate the human impact on environment, technology plays a crucial role in helping us make environmentally appropriate decisions. And, geoinformatics technologies provide appropriate methodologies to analyse spatial information about the Earth. Geoinformatics technologies include Remote Sensing (RS), Photogrammetry, Cartography, Geographic Information Systems (GIS), Spatial Decision Support Systems (SDSS) and Global Navigation Satellite Systems (GNSS). The geoinformatics technologies have witnessed significant developments over the last few decades, which have led to widespread use of the technologies in different fields and disciplines. Geoinformatics is central to all the disciplines which use data recognised by their locations. It has now become an important tool for decision makers across a wide range of disciplines, researchers and academia and

also for national survey and mapping organisations, industries, environmental agencies, and local and national governments. With the widespread use of the geoinformatics technologies, need for professionals and researchers adept in the use of the technologies has prompted the introduction of the *Post Graduate Diploma in Geoinformatics Programme*.

### **OBJECTIVES**

- To provide conceptual knowledge and hands-on training in the basics of geoinformatics technologies
- To acquaint the learners with the use of technology in analysing the spatial data
- To widen opportunities of learners for study and developing a career in different sectors of employment involving fields related to geoinformatics.

### **ELIGIBILITY CRITERIA**

Candidates having graduation in any discipline from a recognized university

### **THEORY COURSES (12 credits)**

- Introduction to Geoinformatics
- Remote Sensing and Image Interpretation
- Global Navigation Satellite System and Geographic Information System.

### **PRACTICAL COURSE (4 credits)**

- Geoinformatics Practical

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