

Application of GIS and RS Techniques

Overview

Geographic information systems are not restricted to the conventional view of geography i.e. that of people and places on the Earth's surface. Hidden geographies lie everywhere and GIS is the perfect tool to take anyone on voyages of discovery. GIS helps pave the way for the success of the expedition by providing the means of visualizing and exploring uncharted territories. Geographic Information System, Remote Sensing and GPS have a variety of applications, such as, geosciences, agriculture, archaeology, environment, forestry, health, land information system, military, urban and rural development, transportation, telecommunication, power, water resource, natural and manmade disasters, oil and natural gas, banking and insurance, geographic and mobile mapping and many more. The GIS industry is beginning to boom in India and experts have projected substantial creation of job opportunities in this field. Geoinformatics is going to shape and is shaping the future of the younger generation.

This course is for the students of Geoinformatics, Department of Geography, Savitribai Phule Pune University and is organized in two modules. Module A will focus on the application of remote sensing and GIS on Geosciences, mainly on Geology and Geomorphology. The topics include various DEMs, and their applicability, latest high resolution laser scanning images and their uses, thermal images, earthquake predictions, case studies of earthquakes in Japan and related topics. Module B will follow the same pattern but it will focus on the application of RS and GIS technology on water resource inventory, that will include computer and GIS flood and run off models and other applications.

Every lecture will be accompanied by practical and hands-on experiments.

Modules	A: RS and GIS application on Geosciences: 18th August - 23rd August 2017 B: RS and GIS application on Water Resource : 24th August-29th August 2017 Number of participants would be restricted to 50
You Should Attend If...	▪ You are Geoinformatics M.Sc completed or part II students ▪ You are B.SC Applied in RS and GIS students
Fees	No fee will be charged to the participants

The Faculty



Prof. Dr. Takashi Oguchi is currently the Director of Centre for Spatial Information Science, Tokyo, which is world's leading institute in Geo-Spatial Technology now. He is one of the most renowned and eminent Geomorphologists in the world. He and his research team became the pioneers in GIS and wrote several algorithms and applied in various fields of research. His practical approach in research using latest GIS technology has huge educational value to today's generation of students.

Course Co-ordinator

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