

Certificate course (online) in Geospatial Techniques for Environmental Modelling

July – August 2024

GIS based technologies offer wide scale applicability in different analytical processes relevant for Urban Planning, Landscape Planning, Disaster Relief Management and Cost analysis etc. Software such as ArcMap and QGIS offer a spatial and scientifically accurate analysis for such issues. This online course is designed to introduce the participants with advanced concepts of Geospatial Technology, its usability and its techniques for assessing Environmental issues.

Who can attend:

The course is open for Students, Professionals, Practitioners with keen interest in Geospatial Technologies. Prior knowledge of ArcMap and QGIS or familiarity with the user interface and a computer system with installed software is a prerequisite.

Fees and Registration:

The course fee is Rs. 1000 per person (INR one thousand only)

To Register, please complete the details on the form below:

https://docs.google.com/forms/d/1duGZRgoBtNyrcJwrtcSEkoDPeB_4JFhhQbFjSUh5I5k/edit

Also available at www.spabhopal.ac.in

Programme Schedule:

The course will be conducted through a series of online lectures and hands on exercises on 6 weekends/Saturdays in July and August 2024. Detailed Schedule will be available soon.

List of topics:

- Introduction to ArcGIS Pro
- Urban Climate Modeling
- Hydrology, Contours, Basin and Watershed
- Spatial Regression, Auto correlation
- Multivariate and Spatial clustering
- Model builder, GUI in GIS
- ArcEngine
- Open data sources, Big Data, Machine Learning
- Data visualization, GeoAI
- Advanced tools in QGIS

Co-ordinator:

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QR Code for Payment

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An Institute of National Importance, Ministry of Education, Government of India



Organised by:

Department of Environmental Planning
and
Centre for Geoinformatics, SPA Bhopal