



MAHATMA GANDHI UNIVERSITY
SCHOOL OF ENVIRONMENTAL SCIENCES
DR. R. SATHEESH CENTRE FOR
REMOTE SENSING AND GIS

(Estd. & Supported under the National Natural Resources
Management System – NNRMS-SCT – programme of Govt. of India
led by ISRO, Dept. of Space)

CERTIFICATE PROGRAMME ON WEBGIS & GEOSERVER

DURATION - 30 DAYS

 **APPLY NOW**

MODULE 1

Introduction to Web GIS

- Understanding GIS vs. Web GIS
- Overview of Web GIS architecture
- Open-source tools: QGIS, GeoServer, PostGIS, OpenLayers, Leaflet

MODULE 2

Setting Up the Development Environment

- Installing QGIS, GeoServer, and PostGIS
- Configuring GeoServer and QGIS
- Introduction to spatial databases

MODULE 3

Working with Shapefiles

- Creating and editing shapefiles in QGIS
- Publishing shapefiles to GeoServer
- Styling layers using SLD (Styled Layer Descriptor)

MODULE 4

Integrating QGIS with GeoServer

- Connecting QGIS to GeoServer via WMS/WFS
- Loading and visualizing GeoServer layers in QGIS
- Synchronizing data between QGIS and GeoServer

MODULE 5

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MODULE 6

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MODULE 7

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WHO CAN APPLY

Any interested graduates can apply

FIRST TIME LEARNERS ALSO CAN APPLY

DAILY LIVE- INTERACTIVE SESSIONS (ONLINE)

RECORDED LECTURES WILL BE PROVIDED

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Contact us

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