Geospatial Deployment Tool

Specialization Course

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Overview

This Track Explore geospatial software, covers open-source tools and commercial solutions like ArcMap/ArcGIS Pro. Learn project specification, data requirements, licensing, system configuration, and spatial analysis, with practical insights into procurement, infrastructure setup, deployment, testing, and license activation for both online and offline scenarios. Gain a comprehensive understanding of the importance and benefits of geospatial tools for efficient spatial analysis and decision-making.

Objectives

The objectives of this training are to:

- Understand the landscape of geospatial software.
- Define project requirements and objectives.
- Analyze the hardware and software requirements for geospatial software.
- Define the spatial analysis goals and techniques required for the project.
- Outline the process of acquiring licenses for geospatial software.
- Strategically deploy both open-source and commercial geospatial tools.
- Optimize deployment for seamless integration with existing systems.
- Detail the process of online license activation for commercial software.

Required Materials

- You need a Personal Computer (PC) with “Configuration: 8 GB RAM, storage: 500 GB and Above” **clickhere** to View a complete system configuration
- Access to internet connectivity.
- Must have complete Fundamental of GIS track

Assignment and Grading

The assignment structure for this course would;

- Test your knowledge and understanding of the Geographic Concept.
- Test your Practical Knowledge by writing a Deployment Plan
- Test Knowledge by answering Quiz

Program Schedule

Section	Lessons	Description	Goals	Tasks
1	Overview of Geospatial Software and Tools	• Introduction to Geospatial software • Overview of Open Source Tools • Overview of Commercial Software (ArcMap/ArcGIS Pro)	The intention is to give a thorough introduction to geospatial software, covering both commercial software and open-source tools	Answer a Few Question
2	Understanding Client Project Specification	• Type of Project Specification • Understanding Project Data requirement • Type of Licenses • Understanding System Configuration • Spatial Analysis Requirement	This course Identifying project specification, data needs, system configuration, Type of License needed	Write out a Project Plan requirement
3	Technology and Field Devices	• Procurements (How to acquire licensing) • System configuration Infrastructure Setup (Hardware and Software) • Open and Commercial Tool Deployment and Testing	Establish and optimize infrastructure with efficiency, make use of both free and paid GIS technologies, and thoroughly test for flawless operation.	Question and Answer
4	Activating and licensing of software	• Activate license • Online Activate license • Offline Activation	Activate geospatial software licenses quickly and smoothly, both offline and online, to ensure compliance and maximum usefulness.	Question and Answer

Training Methodology

- Audiovisual content
- Document
- Assessment tasks

Note: This comprehensive course on Geospatial Deployment Tools is designed to equip participants with the knowledge and practical skills needed to deploy and utilize geospatial technologies in diverse applications effectively. Geospatial tools play a crucial role in mapping, spatial analysis, and decision-making across various industries, and this course provides a hands-on approach to acquiring, Installing, and activating both open-source and commercial Geospatial Solutions.

Therefore it is important to pay proper attention to detail and follow through diligently.

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