Certificate ID : GISM-II-24-ATI-8110150326

ENGINEERING ACADEMY
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CERTIFICATE
OF COMPLETION

This certificate is proudly presented to

Alisha Nur Syahida

Has successfully completed training of
Basic GIS And Spatial Data Processing In Mining
Delivered by **Engineering Academy**

4 days training on 27,28 January & 3,4 February 2024
Total duration 600 minutes (10 hours)

Date Issued
8 February 2024

Arkastra Bhrevijana
CEO Anak Teknik Indonesia

Scan
QR Code

Certificate
Validation

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List of learning modules training of
Basic GIS and Spatial Data Processing in Mining

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1. Overview Of ArcGIS Desktop
   - Georeferencing
   - Feature Class Data: Create Shapefile, Digitizing
   - Attribute Data: Add, Editing, Calculate Geometry
   - Map Layout: Labelling, Symbology
   - Geoprocessing
   - GIS Workflow Automation: ModelBuilder
   - Map Layout
2. Hydrologic Analysis
   - Stream Order
   - Catchment Area
   - Flow Direction
3. Distance Analysis
   - Least Cost Path: Optimal Path For Haul Road
4. Surface Analysis
   - Cut Fill: Calculating The Volume Of Surface Material
5. Overlay Analysis
   - Weighted Overlay: Assessment Of Mining Constraint Area
6. 3D Analysis
   - TIN Surface: Visualization Of Mine Design
   - Stack Profile
   - ArcScene: 3D And Animation View

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