IFS ACADEMY
Training For The Future!!

Bentley Institute
Academic Service Partner

3D Reality Modeling using Bentley ContextCapture

Course Curriculum (Duration: 25 Hrs.)

Chapter 1: Introduction and User Interface

a. How to create a project
b. Basics of the user interface.

Chapter 2: Process Photos and Create the 3D Model

a. How to select and import images to process into a 3D mesh.
b. How to submit those images for Aerotriangulation.

Chapter 3: Acute3D Viewer

a. How to open a project in Acute3D viewer
b. How to navigate the workspace and manipulate the 3D model for review.

Chapter 4: Adding Control Points to Geolocate a Project

a. Review the control points dialog
b. Define the coordinate system, reference locations in images and assign them to control points.

Chapter 5: Measurements in Acute3D

a. How to retrieve coordinates, lengths, surfaces and volumetric measurements from within the Acute3D viewer

Chapter 6: QuickStart Using ContextCapture Practice Workbook and Dataset

a. Create a project and basics of the user interface.
b. Select and import images to process into a 3D mesh.
c. Submit those images for Aerotriangulation.
d. Open a project in Acute3D viewer.
e. Navigate the workspace and manipulate the 3D model for review.
f. Review the control points dialog.
g. Define the coordinate system, reference locations in images and assign them to control points.
h. Retrieve coordinates, lengths, surfaces and volumetric measurements from within the Acute3D viewer

Chapter 7: Additional Dataset Download

a. Additional Dataset

Chapter 8: QuickStart Using ContextCapture Skills Assessment

a. Select and import images to process into a 3D mesh.
b. Submit those images for Aerotriangulation.
c. Open a project in Acute3D viewer.
d. Navigate the workspace and manipulate the 3D model for review.
e. Review the control points dialog.
f. Define the coordinate system, reference locations in images and assign them to control points.
g. Retrieve coordinates, lengths, surfaces and volumetric measurements from within the Acute3D viewer.

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IFS Academy, Pune
Phone: +91-20-6400 7296, Email: training@ifsacademy.org,
Visit Us At: www.ifsacademy.org