



**GEOSPATIAL SURVEY
ASSOCIATION**



**THE SURVEY
SCHOOL**

1 Day AutoCAD Point Cloud Essentials

Title	Description
Point Cloud Basics	
Understanding point cloud and point cloud format for AutoCAD	▪ Exploring Point cloud data formats that can be used in AutoCAD
Point cloud density and its effect on digitising in AutoCAD	▪ Considerations for digitising from point cloud data ▪ Exploring Standard editing operation for point clouds in AutoCAD
Checking and validation	
Point cloud checking and digitising	▪ Step by step how to check and validate point cloud data in AutoCAD and other software such as Recap before digitising
Point cloud manipulation	▪ Explore the AutoCAD tools for working with point cloud and manipulating point cloud for ease of digitising
Digitising from Point Cloud	
Techniques of extracting/digitising geometry from point cloud data	▪ Step by step how to produce floor plans, elevation and topo, 2D drawing from point cloud data.
Geometry extraction management	▪ Explore the AutoCAD tools techniques to produce clean drawing for final deliverables
Drawing Quality Checking and Delivery	
Quality Checking techniques	▪ How to check to ensure that extracted 2D drawings are accurate and meet required standards
Annotation	▪ Exploring manual and automated annotation techniques in AutoCAD