

SURVEY COMPUTATION

Introduction

Computations and plan drawing are a traditional and important part of a surveyor's work. Many fields of surveying involve data collection, calculations and presentation of the results. Survey computations like radiations, intersections, traverses and resections forms the basis of many traditional field surveys and are essentials knowledge for all surveyors. This course aims to provide the skills and knowledge for trainees who are keen to learn how all these computations are done. This knowledge could also equip trainees who are keen to write computer programs to perform such tasks as the formula used can be used as well in a digital format.

Course Details

Survey Computations Fundamentals

- ✓ Layout and Conventions
- ✓ Accuracy / Rounding off and expressing results
- ✓ General settings for scientific calculators
- ✓ Revision of trigonometry

Review Angles and Bearings

- ✓ Compute bearings from angles
- ✓ Compute angles from bearings

Rectangular and Polar Coordinates

- ✓ Computing Rectangular coordinates
- ✓ Computing Polar coordinates
- ✓ Using the calculator

Missing Line Computation

- ✓ Computing the closing line in a closed polygon

Computing Coordinates

- ✓ Computing coordinates from bearings and distances
- ✓ Laying out the computations
- ✓ Showing results clearly
- ✓ Inversing

Computing Offsets

- ✓ Conventions used
- ✓ Computing offsets from a straight line

Intersections and Resections

- ✓ Intersection using 2 bearings
- ✓ Resection using bearings from 3 known stations

Area Computations

Target Audience

This course suitable for all personnel whose requires process and calculate surveying data or reading in their trade or occupation.

Course Fee

S\$ 350.00 (Before GST)

Enquiry

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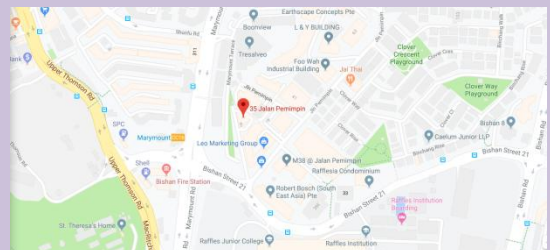
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Training Venue

No 35 Jalan Pemimpin

#05-02, Wedge Mount Industrial Building, Singapore 57176.



- The nearest MRT Station would be Marymount Station (Exit B)