Specialist Diploma in Quantity Surveying

OVERVIEW
Specialist Diploma in Quantity Surveying is focus on strengthening student’s knowledge and hone the necessary expertise for a competitive market in Singapore. Learner gains a detailed understanding of building production from concept to completion. This course covers all the key aspects of construction, commercial and domestic measurement as well as project estimating and tendering.

PROGRAMME OBJECTIVES:
Communicate effectively and work well on team-based engineering projects through the knowledge in project, man and safety and health management system. The construction assembly process includes recognition of correct application of build ability, elements, components, materials, techniques, Interpretation of documentation, Understanding the performance of potential of materials and components. The use of relevant mapping/measurement system, instruments and methods to conduct data collection, analyze, synthesis and application of data to produce appropriate construction cost, schedule and material. Application of legal concepts and framework to contract management

DURATION COMPONENTS:
Classroom Training Hours: 32 Hours Per Module

MODULE SYNOPSIS:

WSH201 Workplace Safety and Health Practice in Building Industry
Upon completion of this module, students will be able to explain the main health, safety and welfare legislation in the construction sector including the requirements of an effective health and safety policy along with the organizational arrangements necessary for its implementation, demonstrate an understanding of hazard and risk identification in design and construction, undertake risk assessment and formulate control measures to prevent ill health and injury and review, revise and monitor assessments as required.

CP202 Contracts & Procurement
Upon completion of this module, students will be able to analyse the factors affecting the choice of different procurement and contractual arrangements, determine and apply current issues and best practice associated with the procurement of projects through reference to government and industry sponsored reports and recommendations, examine the roles and activities of the parties and organizations involved, analyse the forms of contract with particular reference to time, cost and quality and evaluate the forms of contract in respect of supply-chain management.

HM203 Human Management in the Built Environment
Upon completion of this module, students will be able to demonstrate an awareness of the ways in which the managers of an organization can seek to ensure that the organization has sufficient competent staff to facilitate the achievement of strategic objectives in the face of a changing environment.

ITD204 Interpret Technical Drawing
This module is focus on appreciation the use of techniques, drawing skills and modern engineering tools to design and configure drawing. Students will be able to read and understand data required from the drawing, specification in order to complete the material and cost of construction and to identify troubleshoot and solve engineering drawing relate to site configuration and site communication skills based on the drawing and specification.

ASSessment METHODS:
70% Coursework & 30% Examination

PROGRAMME OUTCOMES:
Upon completion of this course, the student will be able to understand and apply the process of project management (multi-disciplinary environment), the site safety management and interface with designer/architecture firm with respect to construction activities. Ability to identify, assesses, formulates and solved problem related quantity surveying issues. Ability to apply fundamental and specialized knowledge of building, civil, electrical and mechanical construction, measurement, price estimating techniques to solve quantity surveying problems; reasoning and conceptualizing construction cost, price, risk and value associated with design and construction; evaluating alternatives in the interests of added value in project construction. assignments.

AWARDING BODIES:
Global School of Technology and Management

NUMBER OF MODULE: 8

TOTAL CONTACT HOURS: 272

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