

# Certificate in Façade Inspection (25<sup>th</sup> run)

SUPPORTED BY:

SkillsFuture SG(SSG) & SkillsFuture Credit (SFC)



## Introduction / Objective

The Certificate in Façade Inspection course is designed to equip participants with essential knowledge and skills in façade inspection. On top of legislative framework and requirements on façade inspection, participants will gain an in-depth understanding of the fundamentals of various façade systems and materials, their particular maintenance needs and inspection methods.

## Course Outline

### **Importance of Building Maintenance & Inspection (By BCA and Mr. Tong Kam Fei)**

- Importance of Building Maintenance and Inspection
- Good Practices on Inspection Procedure and Reporting
- Introduction of grass walls and attachments
- Building Defects -Anatomy of walls
- Architectural problems and issue
- Inspection Procedures / Analysis
- Defects handling, remedy and intervention

### **Curtain Wall & attachment (By Mr. Kelvin Kan and Mr. Albert Tan)**

- Introduction of Glass Walls and Attachments, Overview of Systems
- Deterioration and Failure
- Common Defects and inspection Methods
- Assessment of Findings & Classification
- Case Studies & Review of Past Incidents

### **Claddings & attachments, Project assignment sharing (By Er. Siva and Mr. Albert Tan)**

- Introduction of Cladding, Canopy and Others
- Inspection Methods / Assessment / Classifications
- Façade Defect Samples

### **Working at height requirement (By Lim Cheong)**

- WSH Act and Applicable Legal Requirements
- Façade inspection Stakeholder's duties
- Risk Assessment (Basic)
- Other Considerations: Access equipment, WAH and fatal accident cases

## Who is it for?

Professional Engineers, Registered Architects, Resident Engineers, Resident Technical Officers

	Self-funded				Company Sponsor	
	*Singapore Citizens		Singapore PRs	Others	Enhanced Training Support for Non-SMEs	Enhanced Training Support for SMEs
	39 years old or younger	40 years old or older				
Programme Fee	\$1,385.00	\$1,385.00	\$1,385.00	\$1,385.00	\$1,385.00	\$1,385.00
9% GST	\$124.65	\$124.65	\$124.65	\$124.65	\$124.65	\$124.65
SSG Grant	\$692.50	\$969.50	\$692.50	N.A.	\$692.50	\$969.50
<b>Payable Fee</b>	<b>\$817.15</b>	<b>\$540.15</b>	<b>\$817.15</b>	<b>\$1,509.65</b>	<b>\$817.15</b>	<b>\$540.15</b>

\* Singapore citizen may use SkillsFuture Credit (SFC) to offset the nett programme fee payable.

Noted: The above amount shown are subjected to SSG grant assessment and confirmation.

## **Course Details**

**Date:** 24 to 28 Jun 2024

### **Time:**

8.30am to 6.30pm - Classroom training on 24, 25, 26 Jun 2024

7pm to 9pm - Zoom on 27 Jun 2024

9am to 11am - Assessment on 28 Jun 2024

**Venue** : IES Academy@Jurong East

Devan Nair Institute for Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607

**CPD** : 23 PDU, 12 STU (all to be confirmed)

**Fees** (inclusive of GST): \$1,509.65

### **\*Training grant and eligibility criteria**

1. Course Code: TGS-2021010294
2. Payment type: - Nett Fee
3. Training organization name: - IES Academy Pte Ltd
4. Course Fee and Absentee Payroll Funding and eligibility please click [here](#).
5. Trainee must be Singapore Citizen(s) or Permanent Resident(s) of Singapore, and must be employed by companies in accordance to the Employment Act except for sole proprietors, partners, working directors, members of co-operatives or commission-based agents; and
6. Trainee must have achieved at least 75% attendance.
7. Trainee must have sat for and passed the examinations or assessments where applicable.
8. You may click [here](#) for Terms and Conditions for funding.
9. For participants under self-sponsor please approach course coordinator for more information on SkillsFuture SG (SSG) Fund and SkillsFuture Credit (SFC) Fund.

### **Contact person:**

Eddie Seng, Tel: 6460 4248

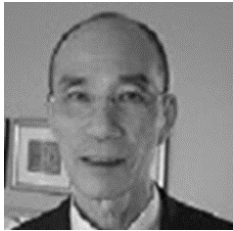
Email: [eddie.seng@iesnet.org.sg](mailto:eddie.seng@iesnet.org.sg)

## **Speaker's Profile**



### **Mr. Kelvin Kan**

Kelvin is a Chartered Architect in the UK (RIBA) and Singapore (MSIA) Graduated from Scotland's University of Dundee in 1987, he worked in London for Lifschutz Davidson Design Architects and Richard Rogers + Partners. In 1992, Kelvin obtained his MSc Construction in Management from Kingston University (UK) before coming to Singapore in 1993. Through hands-on approach in architectural details, followed by glass and curtain wall industries, Kelvin has developed a unique capability that enables him to integrate different systems and elements to meet a wide range of "Architectural façade designs. Kelvin's experience as a project manager also allows him to envisage the "real issues" and make appropriate recommendations to optimise and resolve project's needs quickly.



### **Mr. Albert Tan**

Albert has been working in the building industry Since 1982. He has a solid background in general structural works, steel structures, high-rise construction and lightweight steel structures. His field of expertise mainly on façade works, focusing on aluminium curtain wall and cladding since 1985. Albert has extensive knowledge and understanding of curtain wall and glass wall systems; various cladding, roofing systems and different types of materials application for various kinds of façade systems. He has been with Meinhardt Façade Technology since March 2007 and has been involved in several prestigious projects on site including World Trade Centre II & III, Orchard Gateway, Dubai Marina Mall & Hotel apartments, etc. He has also conducted many façade inspection/investigation and façade remedial projects locally and overseas.



### **Er. M. Sivakumaran**

Er. Sivakumaran is a Professional Engineer of Singapore and a Chartered Engineer of Australia. He is also a Fellow of the Institution of Engineers Australia and Senior Member of the Institution of Engineers, Singapore. He obtained his Bachelor of Science in Engineering (Hons) Degree from University of Peradeniya, Sri Lanka and Master of Engineering Science in Structural Engineering from University of Sydney, Australia. He has been a council member of the Association of Consulting Engineers Singapore (ACES) for the past 9 years and was the Chairman for the Civil & Structural Practice Committee. He is currently serving as the Honorable Treasurer. Er. Sivakumaran is the Managing Director of SMS Consulting Engineers which he set up in 1999 and has grown into a medium size company providing consultancy services in the civil/structural discipline. His firm specializes in the structural design of façades and the inspection & rectification of façade structures. Gardens by the Bay, MBFC, Marina One, Reflections and Ion Orchard are some of the projects completed under his supervision. Er. Sivakumaran has been active in participating with various technical committees of Singapore Standards and he was presented with the Enterprise Singapore Award recognizing his contribution. His company also won the ACES Enterprise Award in 2014.



### **Mr. Tong Kam Fei**

Kam Fei is a graduate from the Nanyang Technological University from the faculty of Civil Engineering. He had worked for more than 10 years as a construction engineer and currently managing his own building consultancy business. He has many professional interests, primarily in project management, building failure analysis and infrared thermography. Beside building consultancy, Kam Fei is also active in teaching, He is a part-time lecturer in BCA Academy and the former UNISim in the subjects of construction technology, architectural repair & refurbishment and building diagnostic.