BCA ACADEMY

E-LEARNING

100% online. May include pre-recorded session, live streaming/webinar and discussion forum, where applicable.

ONLINE LEARNING VIA WEBINAR
Date: Sep 2023
Time: 9.00am to 6.00pm
Platform: BCAA Learning Management System (LMS)

MCQ ASSESSMENT
Time: 10.00am to 11.00am
Platform: BCAA Learning Management System (LMS)

FEE (incl of GST): S$790.00
In keeping with our green and sustainable practices, course notes will be available in e-format.

CPD POINT
BOA-SIA: -
PEB: -
SCEM: -
SGBC-GMAP: -

Certification Course on
Strategies for Smart FM & Maintainability

INTRODUCTION
With the growing number of buildings and ageing workforce, it is critical to maintain the standards of the facility management to sustain building performance. Integrate the practice of maintainable design at upstream to reduce maintenance workload for FM firms, and downstream adoption of Smart FM elements and leveraging technology keeping facility sustainable and maintainable.

LEARNING OUTCOMES
This course aims to equip FM practitioners with knowledge on maintainability practices and smart FM strategies to enhance building facilities management. At the end of the course, participants will be able to:
a) demonstrate the understanding of Design for Maintainability principles and building's overall lifecycle;
b) apply the smart FM process implementation, data collection and analysis; and
c) appraise various approaches towards Design for Maintainability and smart FM strategies.

CONTENTS

Design for Maintainability
- Introduction
- Applications through Maintainability
- Design & Detailing

Green Mark 2021: Maintainability
- Design Strategies for Smart FM adopting DfM concepts
- Maintenance Strategy Report

Maintainability, Sustainability & Safety Synergy
- Importance and Impact of DfM
- Maintainability and Smart FM
- Improving Maintenance Approaches

Life Cycle Cost Analysis
- Life Cycle Costing - Concepts and Application
- LCC Analysis

Smart Facilities Management
- Definition
- 5-Step SMART Process
- Smart FM Framework and Types of "Smartness"
- Fundamentals of Smart FM Implementation

Managing Building Data
- Building Automation System
- Open Communication Protocols
- Data Collection, Transformation and Analysis
- Workflow Integration
- Open Data Schema

Green Mark 2021: Intelligence Section
- Understanding GM 2021: Intelligence Section
- Digital Life Cycle
- Common Data Environment for Smart FM
- Digital Maturity Map

Sharing of Industry Best Practices

LECTURERS
A diverse group of trainers by experienced FM industry professionals and government agency.

TARGET AUDIENCE
Industry practitioners who are keen to embark on Design for Maintainability and smart FM journey, e.g., Developers, Building Owners, Architects, Engineers, Consultants, Project Managers, Facility Managers etc.

ASSESSMENT AND AWARD
An e-Certificate of Successful Completion (e-CSC) will be issued to participants who:
- Achieve at least 75% class attendance; and
- Pass MCQ test and group project assignment.

For information on the Green Mark Professional Qualification Scheme administered by the Singapore Green Building Council, please visit: https://gmap.sgbc.online/public/about

REGISTRATION
To register, please log into our Online StoreFront (OSF) at **https://eservices.bcaa.edu.sg/registration/#/Login** or scan QRcode and search for course code **80054**