BCA ACADEMY

E-LEARNING

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

ONLINE LEARNING VIA WEBINAR:

DATES: 21 & 22 Jun 2021

TIME: 9.00am to 5.30pm

DELIVERY MODE: e-learning via webinar and BCAA Learning Management System (LMS)

FEE (incl of GST):
S$1,400.00 (without funding)
Pending WTU funding

AWARD

e-Certificate of Attendance (e-COA) will be awarded to participants who meet the attendance requirement.

CPD POINTS
PEB: -

Introduction to Smart Building Management System for FM Practitioners

INTRODUCTION

A Building Management System (BMS) also known as Building Automation System works on cohesive digitalised communication network including communication controllers and web-enabled network to manage, control and monitor the sub-systems within a building to achieve energy efficient and comfortable environment for productivity workflow gain.

OBJECTIVES

At the end of the course, participants should be able to:
- Describe the fundamentals BMS setup
- Identify the types of communication protocol, features and functions
- Interpret logic programming
- Apply basic programming skills
- Predict simple data trending

CONTENTS

BASICS OF BUILDING MANAGEMENT SYSTEM
- Infrastructure of BMS and its configuration
- Components of BMS
- Features and Functionality
- Communication Protocols
- Convergence of BMS and Information Technology
- Future of BMS – Cloud BAS
- Sample BAS architecture

COMMUNICATION PROTOCOLS
- Types of sensors – Purpose & Functionality
- Communication Techniques
- Integration, Testing and Monitoring

INTERPRETATION OF LOGIC PROGRAMMING
- Data Flow Analysis
- Module and Logic Block Analysis
- Modify a Standard Application
- Maintenance and Troubleshooting

PROGRAMMING BASICS
- Overview of Controller Configuration Tool Concepts
- Setpoint Determination
- State Based Control

DATA TRENDING
- Trending Overview
- Adding Trends
- Trends Viewer Feature

FUTURE OF BMS
- Overview of new IoT platform - Cloud-based BMS
- Common Digital Environment
- Tagging Schema - Brick, Haystack

LECTURERS
Practitioners from the built environment sector

TARGET AUDIENCE

Facilities Technician, Technical Officer / Executive, Building Supervisor, Building Officer / Facilities Officer / Property Officer, Building Executive / Facilities Executive / Property Executive and Facilities Manager / Facilities Engineer

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 **80072**