BCA ACADEMY

BCA UEN: T08GB0005B

E-LEARNING

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

ONLINE LEARNING VIA WEBINAR
FREQUENCY: Bi-Annual
TIME: 9.00am to 5.00pm
DURATION: 14 hrs
DELIVERY MODE: e-Learning via webinar and BCAA Learning Management System (LMS)

FEE (incl of GST): S$680.00

SkillsFuture Singapore (SSG) funding is available for eligible participants as follows:

Singaporeans 40 years old and above OR SME company sponsored Singaporeans or Singapore PRs. Fee payable after 70% funding support	*Pending SSG Approval (incl of GST)*
Singaporeans, Singapore PRs and non SME company sponsored participants. Fee payable after 50% funding support	*Pending SSG Approval (incl of GST)*

Participant must achieve at least 75% attendance and pass all assessments. BCA Academy reserves the right to recover the funded amount from the participant (self-sponsored) or employer (company sponsored) if participant did not meet the eligibility criteria. Details of SSG's funding can be found in https://www.enterprisejobskills.gov.sg/content/upgrade-skills/course-fee-and-absentee-payroll-funding.html

(TGS-2022012758)

CPD POINTS
PEB: -

BIM for Building Lifecycle and Facility Management

SYNCHRONOUS E-LEARNING

INTRODUCTION

The adoption of Building Information Modelling (BIM) during the design and construction stages has transformed our construction industry significantly. However, there are more from BIM that the industry could benefit from, especially in the areas of building operation and asset information management.

This course will enable participants to appreciate how the convergence of BIM and Internet of Things (IoT) could change the way buildings are designed, built, operated and maintained. The lecturer will also demonstrate how BIM and IoT could automate the integration of various building systems and enable smart operation and maintenance.

CONTENTS

Data Management and Operational BIM
- BIM Data
- Enabling BIM for operation efficiency
- Effective convergence of BIM and IoT

Delivering Smart Building
- Smart Building and its Digital Twin
- Predictive Analytics
- Intelligent Process Automation
- Visualization and User Experience

Smart Operations, Maintenance and Building Lifecycle Management through Case Studies
- Information Management
- Maintenance Management
- Security and Incident Management
- Workplace Management
- Equipment Monitoring and Control
- Energy Management
- Managing Change, Retrofits and Refurbishments

LECTURER

Dr. Hari Gunasingham's expertise is in the field of Analytical Science, Cybernetics and Control Systems. He has a BSc First Class Honours and Ph.D. from the Imperial College of Science, Technology and Medicine, London.

Dr. Gunasingham is the founder of the Eutech Group headquartered in Singapore. The company's solution for smart cities and workplace management has been adopted by local and projects across Australia, the Asia Pacific and the Middle East.

Dr. Gunasingham was nominated as one of 35 people to watch by Realcomm USA, the leading global Real Estate Advisory. He was also awarded the Realcomm Digie Award as one of the first to envision smart building and smart city concepts.

AWARD

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

TARGET AUDIENCE

Building Developers, Facility Managers, BIM Managers, Project Managers, Builders, Architects, Engineers Consultants

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 **80023**

80023.150223.0001