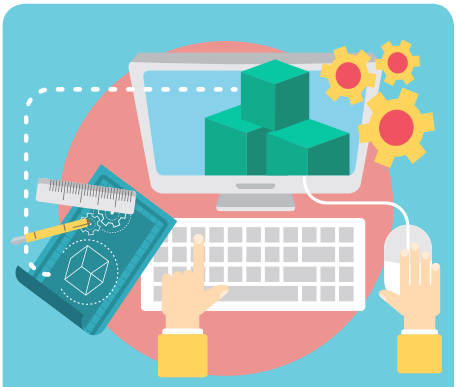
BCA ACADEMY

BIM for Building Lifecycle and Facility Management



E-LEARNING

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

ONLINE LEARNING VIA WEBINAR:
DAY 1: 7 Oct 2021
DAY 2: 8 Oct 2021

TIME: 9.00am to 5.00pm

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

FEES (incl of GST):
S$680.00 (without subsidy)
S$108.04* (Up to 90% WTU funding support for Singaporeans and Singapore PR)
** For information on the Workforce Training and Upgrading Scheme (WTU), please refer to: https://www1.bca.gov.sg/buildsg/buildsg-transformation-fund/workforce-training-and-upgrading-scheme-wtu*

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

CPD POINTS
PEB: -

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.

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**

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