



## E-LEARNING

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

**Date:** 3 Feb 2023\*

**Duration:** 20 hrs

**Platform:** BCAA Learning Management System (LMS)

\* Learners may commence to embark on e-learning and learn at own pace (within 1 month from course start date)

**FEE** (incl of GST): S\$450.00

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

|  |                            |
|--|----------------------------|
| Singaporeans 40 years old and above <u>OR</u> SME company sponsored Singaporeans or Singapore PRs. Fee payable after 70% funding support | S\$155.61<br>(incl of GST) |
| Singaporeans, Singapore PRs and non SME company sponsored participants. Fee payable after 50% funding support                            | S\$239.72<br>(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-2022013340)

### CPD POINTS

PEB: -

BOA-SIA: -

# PRINCIPLES OF INTEGRATED DIGITAL DELIVERY

ASYNCHRONOUS E-LEARNING



Building on the momentum of BIM Roadmaps, BCA introduced Integrated Digital Delivery (IDD) to better connect built environment stakeholders and streamline their work processes, through innovative use of digital technologies.

To support the industry to reap the full benefits of IDD, this course is designed to equip BE professionals with good understanding and aligned knowledge on IDD across the built environment value chain. Learners will be systematically guided through a series of topics on the concept and method to effectively adopt IDD in their projects or organizations, curated in bite-sized and interactive format.

### OBJECTIVES

- To level up learners' understanding on the concept of IDD across the built environment value chain,
- To create awareness on potential of Integrated Digital Delivery (IDD) and how projects and firms could tap into new opportunities using IDD, and
- To guide learners with basic knowledge in selecting suitable technologies, systems and standards for adoption.

### CONTENT

#### TOPIC 1: OVERVIEW OF IDD

- BIM, VDC & IDD
- Principles of IDD
- Overview: IDD Framework & Methodology

#### TOPIC 2: KEY CONSIDERATIONS FOR IMPLEMENTATION

- Required skills and mind-sets
- Typical barriers to IDD adoption & ways to overcome
- Implementing IDD in a Project and in an Organization

#### TOPIC 3: CONNECTING VALUE TO IDD

- Defining "Value" for Process, Project & Organisation
- Linking "Value" to measurable KPIs
- Measurement and metrics

#### TOPIC 4: BASIC PROCESS REENGINEERING

- Determining critical activities and defining challenge statements
- Mapping processes and identifying pain points
- Principles of process streamlining

#### TOPIC 5: TECHNOLOGIES, SYSTEMS & STANDARDS

- Selecting the right technologies for the right purpose
- Common Data Environment (CDE)
- Information Standards

#### TOPIC 6: DEPLOYMENT

- Developing an IDD Roadmap
- Prioritization of strategies and scaling up
- Resource requirements and capability building

### AWARD & ASSESSMENT

Electronic Certificate of Successful Completion (e-CSC) will be issued to participants who complete the course within 1 month and pass all the assessments.

### TARGET AUDIENCE

All professionals in the built environment



### 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 **80065**