BCA ACADEMY

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 (excl GST): **S$420.56**

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$126.17** *(excl GST)*
Singaporeans, Singapore PRs and non SME company sponsored participants. Fee payable after 50% funding support	**S$210.28** *(excl 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
i   BIM, VDC & IDD
ii Principles of IDD
iii Overview: IDD Framework & Methodology

TOPIC 2: KEY CONSIDERATIONS FOR IMPLEMENTATION
i   Required skills and mind-sets
ii Typical barriers to IDD adoption & ways to overcome
iii Implementing IDD in a Project and in an Organization

TOPIC 3: CONNECTING VALUE TO IDD
i   Defining "Value" for Process, Project & Organisation
ii Linking "Value" to measurable KPIs
iii Measurement and metrics

TOPIC 4: BASIC PROCESS REENGINEERING
i   Determining critical activities and defining challenge statements
ii Mapping processes and identifying pain points
iii Principles of process streamlining

TOPIC 5: TECHNOLOGIES, SYSTEMS & STANDARDS
i   Selecting the right technologies for the right purpose
ii Common Data Environment (CDE)
iii Information Standards

TOPIC 6: DEPLOYMENT
i   Developing an IDD Roadmap
ii Prioritization of strategies and scaling up
iii 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**