

Annex A – Built Environment Formation Programme

Introduction

The Built Environment (BE) Formation Programme is an industry preparatory programme, recommended by the Built Environment SkillsFuture Tripartite (BEST) Taskforce. As internships are important avenues for students to better understand the BE sector, a positive experience would cement their commitment to take on BE careers after graduation. The BE Formation programme, comprising training workshops, industry sharing sessions, learning journeys and simulation activities, aims to better prepare students for work during their internship and develop their curiosity and interest to take on meaningful tasks during internship. The programme, incorporated into the first 4 days of students' internships, also helps students to understand the Construction Industry Transformation Map (ITM) and to be job-ready through an induction to the BE sector. The programme targets to benefit about 2,000 interns over the next 5 years.

Programme Objectives

- Internship Preparation: Better prepare students for work during internship and understand the inter-disciplinary building processes involved in the sector
- Understanding Construction ITM: Provide exposure to new transformation areas (Integrated Digital Delivery, Design for Manufacturing and Assembly and Green Buildings)
- Inspire students for a career in the BE sector: Give students a better appreciation of the sector's contributions in building and operating modern Singapore, so as to convey a higher sense of purpose and infuse excitement to join the BE sector

Conduct and Delivery of Programme

The BE Formation programme is an intentional, compact and interactive induction programme to the BE sector. With content co-developed by individuals throughout the BE spectrum, the programme gives participants a rich and insightful experience. It covers several key focus areas, namely history and background of the BE sector, ecosystem and challenges of the sector, professional pathways and competency development, as well as prospects and outlook. The programme is delivered through blended learning with the following learning modes:

- a) Pre-programme e-learning
- b) Interactive Activity/Collaborative Workshops
- c) Industry Sharing/Dialogue
- d) Learning Journey
- e) Daily Reflection

Built Environment Future Leaders¹ and Young Leaders² are engaged to be anchor facilitators for the programme who stay with the participants throughout the 4-day period. In addition, representatives from relevant Trade Associations and Chambers (TAC), industry professionals and veterans also provide assistance in co-developing and co-delivering the programme.

¹ Future Leaders are iBuildSG Scholarship and Sponsorship recipients who are committed to pursuing BE career with passion for innovation & digitalization. They are also committed to personal development and participation in TACs or BCA/ industry events.

² Young Leaders are firm-nominated young leaders aged 35 & below, who demonstrate good business and leadership potential with good project track record, and are actively involved in TACs or industry committees. These young leaders are selected by the firms for their leadership potential.

Inaugural BE Formation Programme

The inaugural run of the programme was organised from 2 to 5 Sep 2019 for interns from the Singapore Institute of Technology (SIT) with the support of 22 internship firms and agencies. The breakdown of student participation is as shown in Table 1 below.

School	Course	No. of participants
SIT	Civil Engineering	27
	Sustainable Infrastructure Engineering (Building Services)	32
Total		59

Table 1: Breakdown of student participation in inaugural run of BE Formation Programme

Going forward, the Civil and Environmental Engineering Departments of the National University of Singapore (NUS) and NTU have committed to encouraging their students going for internships in January 2020 to join the programme. BCA is also in discussion with the Singapore University of Technology and Design (SUTD) as well as the various Polytechnics on their students future participation in the formation programme.