PROGRAM SYLLABUS

DAY 1

1	**Understand the definition, key terminologies, and benefits of Building Information Modelling (BIM)**
1.1	Define the drivers that have led to BIM
1.2	Define BIM
1.3	Identify and define key BIM terminology
1.4	Know the information management maturity stages, according to ISO 19650-1
1.5	Define what constitutes an Information Model
2	**Recognize the advantages of BIM compared to traditional project delivery**
2.1	Know why collaborative and new ways of working are required
2.2	Identify the effects of poor information management on projects
2.3	Identify the processes and standards developed to mitigate poor information
2.4	Identify the benefits of BIM for design and construction professionals
2.5	Identify the benefits of BIM for facility owners and operators
3	**Understand Project Information Management, with BIM, according to the ISO 19650 series**
3.1	Understand the content and value of a BIM Execution Plan (BEP)

DAY 2

3	**Understand Project Information Management, with BIM, according to the ISO 19650 series**
3.2	Understand why appointing parties need to clearly define their requirements
3.3	Know why consistent information exchanges are required
3.4	Identify the key elements and benefits of using a Common Data Environment (CDE)
3.5	Know why clearly defined Information Management roles are required
3.6	Know why assessing potential supply chain members before appointment is required
4	**Recognize the need for open and interoperable solutions**
4.1	Know what buildingSMART is and what it represents
4.2	Define openBIM® and its benefits compared to using proprietary solutions
4.3	Know what IFC is and its benefits
4.4	Know what MVDs are and their benefits
4.5	Know what IDMs are and their benefits
4.6	Know what the bSDD is and its benefits
4.7	Know what BCF is and its benefits

DAY 2

5	**Understand the terms and measures of BIM capability within an organization**
5.1	Understand the potential benefits for a company in adopting BIM
5.2	Understand the factors that define an organization's level of BIM Maturity
5.3	Know why BIM adoption needs to align to organizational goals
5.4	Identify the benefits and challenges to BIM adoption
5.5	Know what the data security implications are for adopting BIM
	Exam (optional)