

# Assessment Scheme

2025

**Subject:** 727 - Digital Construction

**Area of Studies:** Engineering and Production

**Course Provider:** Vocational Training Council

Task No.	Task Name	Assessment Method	Brief Task Description	Assessment/ Submission Date	Contribution to Final Score (%)
1	Test on Process, Key Roles and Skills of Construction Industry	Written Test	Students are required to complete a written test covering knowledge about the process, key roles and skills of construction industry. Question types include multiple-choice questions, short questions and structured questions.	December Year 1	15%
2	Simulation of Automation in Construction	Practical Assessment	Students are required to conduct in class a practical assessment simulating different solutions to practical problems of construction automation.	February Year 1	10%
3	Report on Innovative Construction Method and Technology	Written Report	Students are required to write a written report to introduce, describe and evaluate a selected type of innovative construction method / technology.	March Year 1	15%
4	Assessment on BIM	Practical Assessment	Students are required to apply basic drafting skills and standards by creating BIM (Building Information Modelling) models in class.	May Year 1	20%
5	Assessment on SUA/ 3D printing	Practical Assessment	Students are required to complete two separate practical tests in class on: (1) manipulating SUA (Small Unmanned Aircraft) for a specific task; and (2) using 3D printer to create 3D models in class.	July Year 1	10%
6	Construction Technology Project	Written Report and Oral Presentation	Students in groups are required to analyse and formulate solutions for a given scenario about modern construction technology. Each group is required to complete a written report and give an oral presentation about modern construction technology.	December Year 2	30%