HIGHER NITEC IN SERVICES - ARCHITECTURAL TECHNOLOGY

Course Code: HSATG

COURSE OBJECTIVE
This course provides students with the skills and technical knowledge to develop architectural design project to ensure compliance with industry standards, codes and regulations through the use of appropriate technology, to facilitate efficient flow of information within an organisation.

COURSE STRUCTURE

S/N	Module Details	Module Code	Module Objectives
C1	**Architectural Drawing** 12 hrs (T) 108 hrs (P) Credits: 6 Prerequisite: Nil	DM4017FP Equivalent Codes SD4001FP SD4001FPR SD4005FPR SD4009FP	On completion of the module, students should be able to apply concepts of spatial composition and knowledge of architectural drawing techniques and conventions to produce architectural sketches, perspectives and architectural building drawings for further design development.
C2	**Architectural Modelling** 12 hrs (T) 108 hrs (P) Credits: 6 Prerequisite: Nil	DM4018FP Equivalent Codes SD4002FP SD4002FPR SD4006FPR SD4010FP	On completion of the module, students should be able to produce a consolidated architectural presentation package complete with project brief, presentation drawings, 3D rendering and animations.
C3	**Architectural Design Process** 18 hrs (T) 102 hrs (P) Credits: 7 Prerequisite: Nil	DM4019FP Equivalent Codes SD4003FP SD4003FPR SD4007FPR	On completion of the module, students should be able to gather the necessary codes and regulations to be applied when preparing a set of building drawings for submission purposes using relevant computer software. Students should also be able to apply the knowledge of architectural schedules and detail elements to prepare a set of working drawings for construction purposes.
C4	**Architectural Construction Technology** 18 hrs (T) 102 hrs (P) Credits: 7 Prerequisite: Advised to complete DM4018FP & DM4019FP	DM4020FP Equivalent Codes SD4004FP SD4004FPR SD4008FPR	On completion of the module, students should be able to produce a set of submission drawings and perform Buildability Score calculations. They should also be able to produce complete sets of architectural tender and construction drawing packages incorporating all required drawings, details, technical specifications and documentation necessary for calling of tender and construction of buildings on site respectively.
C5	**Architectural BIM Design** 12 hrs (T) 108 hrs (P) Credits: 7 Prerequisite: Advised to complete DM4018FP & DM4019FP	DM5018FP Equivalent Codes SD5001FP SD5001FPR SD5004FP	On completion of the module, students should be able to integrate building services and structural systems with the architectural design using BIM modelling. They should be able to perform multi-disciplinary coordination and clash detection through usage of BIM software.

Abbreviations: T – Theory, P – Practical

CREDITS FOR CERTIFICATION
Total of 33 credits from successful completion of 5 modules.

VENUE
ITE College Central

Note:
1) Applicant must be free from colour appreciation deficiency.
2) The training schedule of lessons is subject to change.
3) Depending on the demand, not all the modules in the CET *Higher Nitec* in Services courses will be offered in each intake. Where the modules are offered and there is insufficient enrolment, the classes will be cancelled and a full refund will be given to the affected students.