NITEC IN ARCHITECTURAL TECHNOLOGY

Core Modules

Spatial Visualisation Drawing
On completion of the module, students should be able to apply the principles of drawing and composition to produce basic sketches, orthographic drawings, and perspective drawings with scale and proportion.

Building CAD Drawing
On completion of the module, students should be able to apply the knowledge of orthographic drawing and architectural drawing conventions to prepare a set of building drawings using relevant computer software.

BIM Presentation
On completion of the module, students should be able to construct a 3D building model complete with architectural elements and finishes using relevant BIM software.

Architectural Spatial Planning
On completion of the module, students should be able to apply principles of architectural space planning to develop zoning plans of different types of building developments and produce a set of building drawings.

Architectural Design and Visualisation
On completion of the module, students should be able to apply the knowledge of current building regulations to develop building design and construct 3D model, complete with architectural elements and finishes, and complying with relevant regulatory requirements.

Building Construction and Drawing
On completion of the module, students should be able to apply the knowledge of current building regulations and applicable construction technologies to prepare sets of building construction drawings and detail drawings of various building components.

Architectural Submission
On completion of the module, students should be able to apply knowledge of relevant authority requirements to generate BIM models and documentation for submission to local regulatory authorities.

Industry Attachment
On completion of the module, students should be able to apply and integrate the technical, social and methodological competencies in carrying out related industry project.