NITEC IN ARCHITECTURAL TECHNOLOGY

CERTIFICATION

Credits required for certification:

Core Modules	:	45
Life Skills Modules	:	9
Elective Modules	:	5
Total	:	59

COURSE STRUCTURE

Module Title	Credits
CORE MODULES	
Spatial Visualisation Drawing	6
Building CAD Drawing	6
BIM Presentation	6
Architectural Spatial Planning	6
Architectural Design and Visualisation	7
Building Construction and Drawing	6
Industry Attachment	8
ELECTIVES (COURSE SPECIFIC)	
Model Making	2
Presentation Toolkit for Architecture	2
Architectural Submission	3
ELECTIVES (GENERAL) AND LIFE SKILLS MODULES	
For details, click here	

Note: The offer of electives is subject to the training schedule of respective ITE Colleges. Students are advised to check with their Class Advisors on the availability of the elective modules they intend to pursue.

MODULE OBJECTIVES

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.

Industry Attachment
Students will undergo a 6-month attachment in architectural design and building & construction companies or work on an industry-based project. 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.

Electives (Course Specific)

Model Making
On completion of the module, students should be able to construct an architectural/interior/exhibition presentation model.

Presentation Toolkit for Architecture
On completion of the module, students should be able to apply knowledge of new software like Microsoft Excel, PowerPoint, Adobe Photoshop and InDesign to prepare project schedules and presentations, enhance rendered images and create posters.

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.

Electives (General) and Life Skills Modules
For details, click here.