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COURSE: ARCHITECTURAL MODELLING

## HOW TO MAKE AN IMPRESSIVE ARCHITECTURE MODEL

Architectural models are an effective way to present 3D versions of architectural, interior, or urban design projects, giving a sense of how the different elements will feel in substance when combined. An architectural model is a physical representation of a structure, built to study aspects of an architectural design or to communicate design ideas. A scale model is a physical representation of an object that maintains accurate relationships between all important aspects of the model. The most familiar scale models represent the physical appearance of an object in miniature. Some of the oldest architectural models date back to 4500 BC, as ancient civilization did not create them to study and investigate building techniques but as gifts and were often found in tombs.

Functions of architectural models include: [1] COMMUNICATION and OVERVIEW, [2] SALES and MARKETING, [3] PUBLIC DISPLAY and GUIDANCE,[4] CONSTRUCTION PROJECTSAPPROVALand PERMITS, [6] ABSTRACT and FUTURE ARCHITECTURAL IDEA.

Architectural models classified by uses include **CONCEPTUAL MODEL**; used to analyze the characteristics of the projects, including the spatial layout, ratio, and surrounding environments. **PRESENTATION MODEL**: Usually made in detail to give the clients or decision-making bodies a true reflection of the architectural design. **WORKING MODEL**: Used as an assistance to find innovative solutions and show the course of a design project's development at the same time.

Types of models are; [A] **EXTERIOR MODELS**, [B] **INTERIOR MODEL**, [C] **LANDSCAPING DESIGN MODELS**, [D] **URBAN MODELS**, [E] **ENGINEERING and CONSTRUCTION MODELS**. Virtual Modelling includes CAD (Computer Aided Design, BIM (Building Information Modelling). Scales mostly used in architectural models range from 1:100 to 1:200, while urban models range between 1:500 and 1:2500, with each respective scale having their architectural use.

**MODELLING TOOLS** - The right tools for cutting and assembly include Fresh Blades, Precision Knife, Scissors, Metal Ruler, Self-Healing Cutting Mat, Glue Sticks, Hot Glue, Wood Glue, Double-Sided Tape. The finishing materials include Print Bitmaps of the tiles or bricks, Corrugated Paper Sheets can be used as roofs, Clear Sheet Print can be used to indicate glass.

General tips for architectural model making are: Washing of hands frequently to prevent stains, Use of a spacious environment for easy movement, working in good lighting, Printing of the modelling plan to serve as a base, Investment in quality tools for longevity and best outcome.

