

Training Program

About Architecture

Architecture is the art and science of designing buildings and other physical structures. A wider definition often includes the design of the total built environment from the macro level of town planning, urban design, and landscape architecture to the micro level of construction details and, sometimes, furniture

What is Architect

- Architect is a person trained in the planning, design and Oversight of the construction of the building.
- Architect is a licensed professionals trained in the art of science and building design who develop the concepts for the structures turns those concepts into images and plans
-

What does an Architect do

- Architect designs all kinds of buildings like Schools, hospitals, high rise building etc.
- They also design religious centre, train, stations and plan old regular houses

Experimental analysis for construction

Porous Building Material

1. Water Absorption by Total Immersion
2. Water Drop Absorption
3. Penetration of Water: Capillary Action
4. Porosity of Granular Beds
5. Porosity in Solids: Indirect Measurement
6. by Water Absorption
7. Porosity in Solids: Hydrostatic Weighing
8. Movement of Salts
9. Salt Crystallization
10. Qualitative Analysis of Water-soluble Salts and
11. Carbonates
12. Semiquantitative Analysis of Water-soluble Salts

Earthen Building Materials

1. Particle Size Analysis
2. Sieving Procedure
3. Sedimentation Procedure: Hydrometer Method
4. Plastic Limit of Soils
5. Liquid Limit of Soils

Stone, Brick and Mortars

1. Mortar Analysis: Simple Method
2. Analysis of Calcium Carbonate Content in
3. Mortars: Calcimeter Method
4. Mixing Mortars for Conservation

5. Cleaning Building Stone
6. Repointing of Stone and Brickwork
7. Investigation of the Carbonation Process in lime Mortars by Means of Phenolphthalein

Architectural Surfaces:

1. Renders. Plaster Paint
2. Sampling of Architectural Surface Materials
3. Imbedding a Sample for Cross Section
4. Cutting and Polishing a Cross Section of
5. Surface Material; Observation of the Sample
6. Simplified Method for Imbedding and Polishing a Cross Section of Plaster or Paint

Wood Structure

1. Swelling and Shrinkage of Wood
2. Cross Sections and Identification of Wood
3. Test Loading of Wood
4. Preparation and Application of Traditional
5. Oil House Paint