



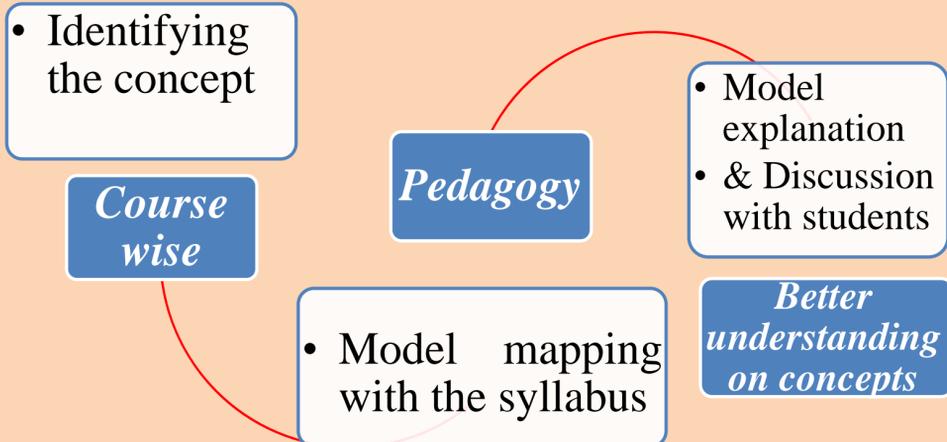
# MODEL LAB

## Introduction

A model is a representation of an idea, object, event, process or system.

Models play a crucial role in science & Engineering practice. Model based teaching and learning in Engineering contributes to an 'authentic' education, where innovative teaching and learning is backbone of the educational system.

## CONCEPT OF MODELS



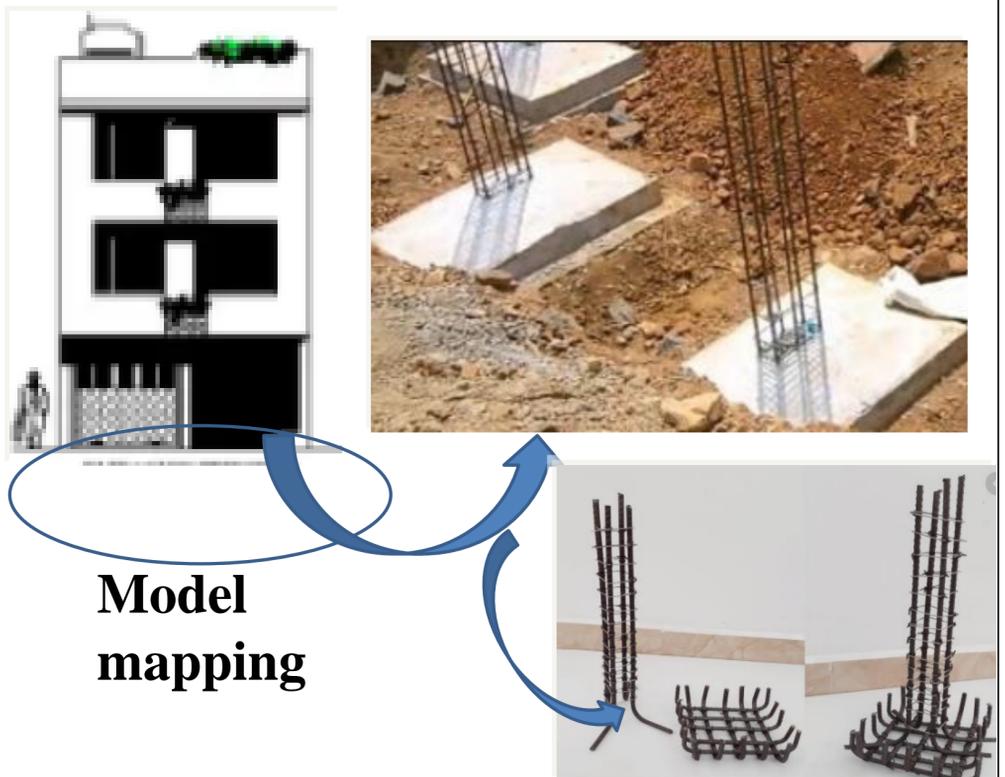
## LIST OF THE MODELS

- ✓ English Bond
- ✓ Flemish Bond
- ✓ Header Bond
- ✓ Stretcher Bond
- ✓ King Post truss
- ✓ Queen Post truss
- ✓ Simply Supported Slab
- ✓ Two Way Slab
- ✓ Slow Sand Filter
- ✓ Rapid Sand Filter
- ✓ Trickling Filter
- ✓ Grillage Foundation
- ✓ Deck Slab Bridge
- ✓ Plate Girders

## Outcomes

1. Interactive classroom teaching
2. More discussion on critical concept
3. Visualization can be achieved
4. Students create interests in learning the concepts
5. It helps to gain confidence in learning process for students
6. It helps teacher the explain critical concept with ease
7. Overall model based learning proves to be a effective teaching learning pedagogical approach

## In Situ to Model Mapping



## Models utilization in Innovative Teaching & Learning

