



**“CORPORATE TECHNICAL TRAINING
FOR CIVIL / STRUCTURAL ENGINEERING STUDENTS”**



SERVICES



ECONSTRUCT
DESIGN & BUILD PVT LTD



**ENGINEERING
CONSULTANCY**



CONSTRUCTION



**CORPORATE
TRAININGS**

KNOW ABOUT THE TRAINER

Sandeep Pingale

Founder & MD

Econstruct Design & Build Pvt Ltd



81 STOREY
HIGH-RISE
STRUCTURE
DESIGNED IN
DUBAI

81

200+
PROJECTS
DELIVERED

200+

700 CRORES
WORTH
PROJECTS
DESIGNED &
DELIVERED

700+

250+
WORKSHOPS
DELIVERED

250+



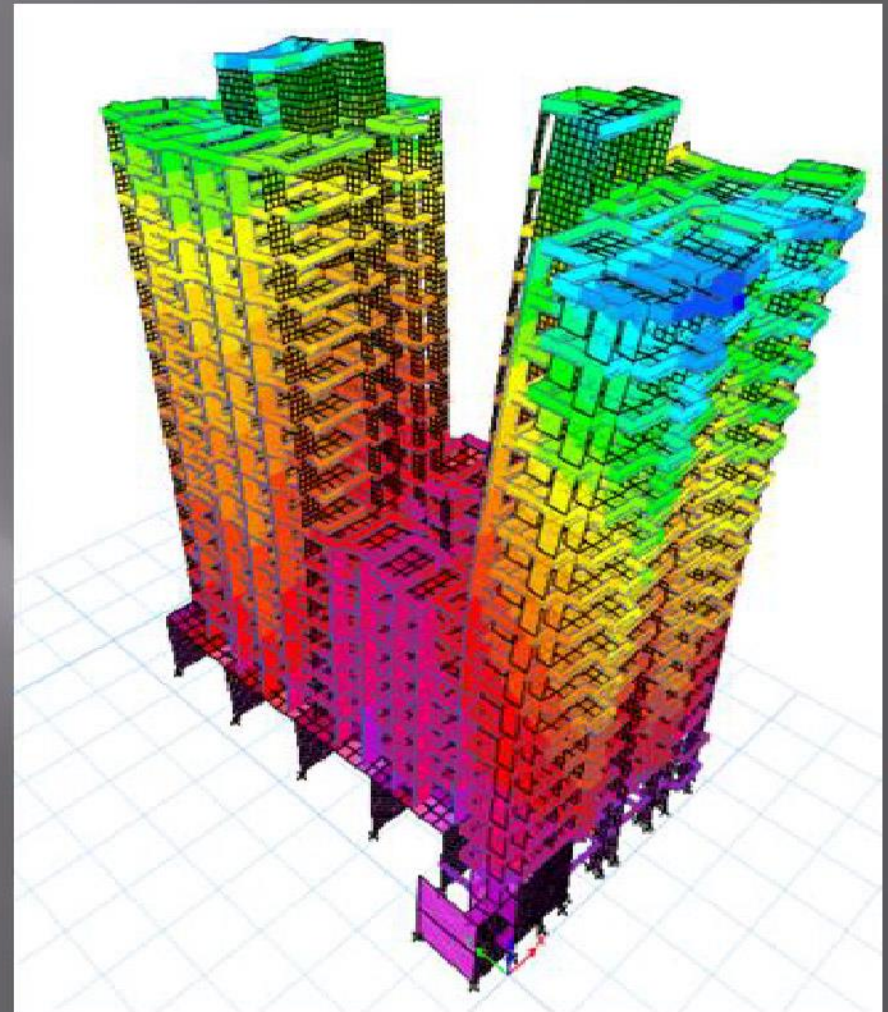
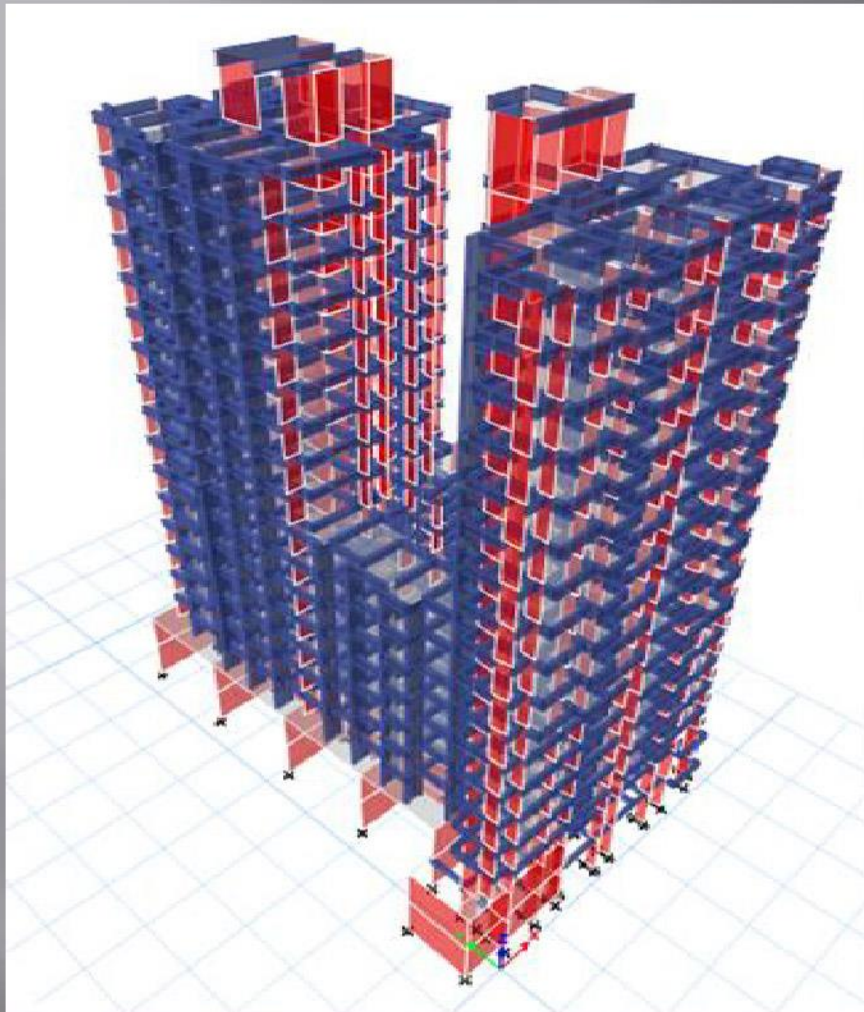
PROJECT NAME : CHRIS HOSPITAL, Bengaluru

PLOT SIZE : 60 X 65 ft

PROJECT COST : Rs. 70,00,00,000 /-

PROJECT DESCRIPTION : Commercial, Hotel, Hospital

STRUCTURAL DESIGN PROJECT

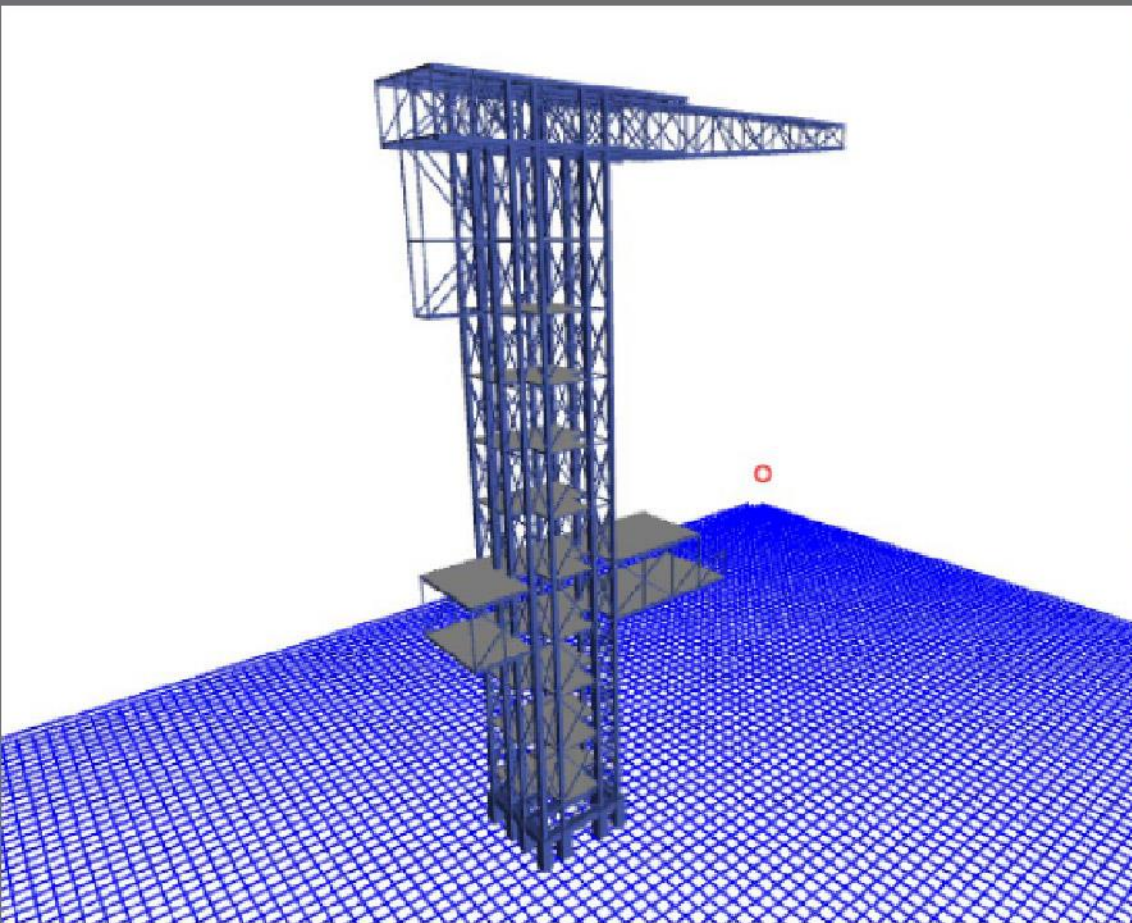


PROJECT NAME: KRUPA PRASAD, Mumbai

FLOOR DESCRIPTION: G + 21.

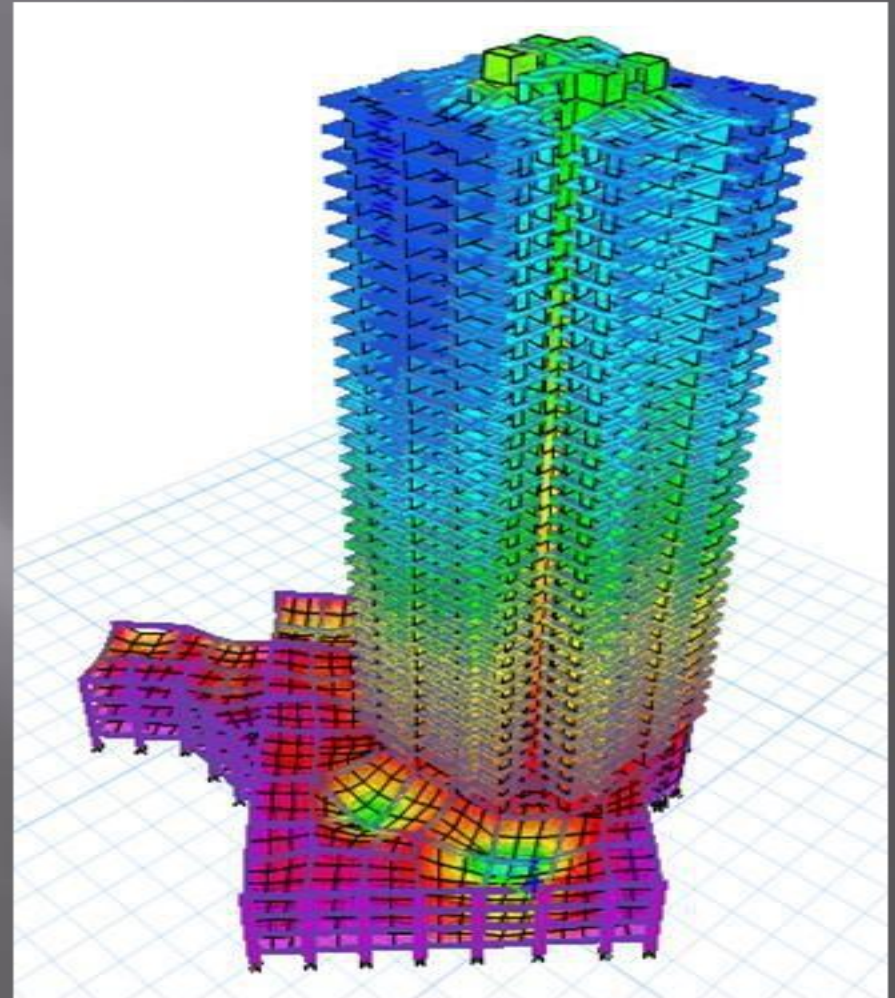
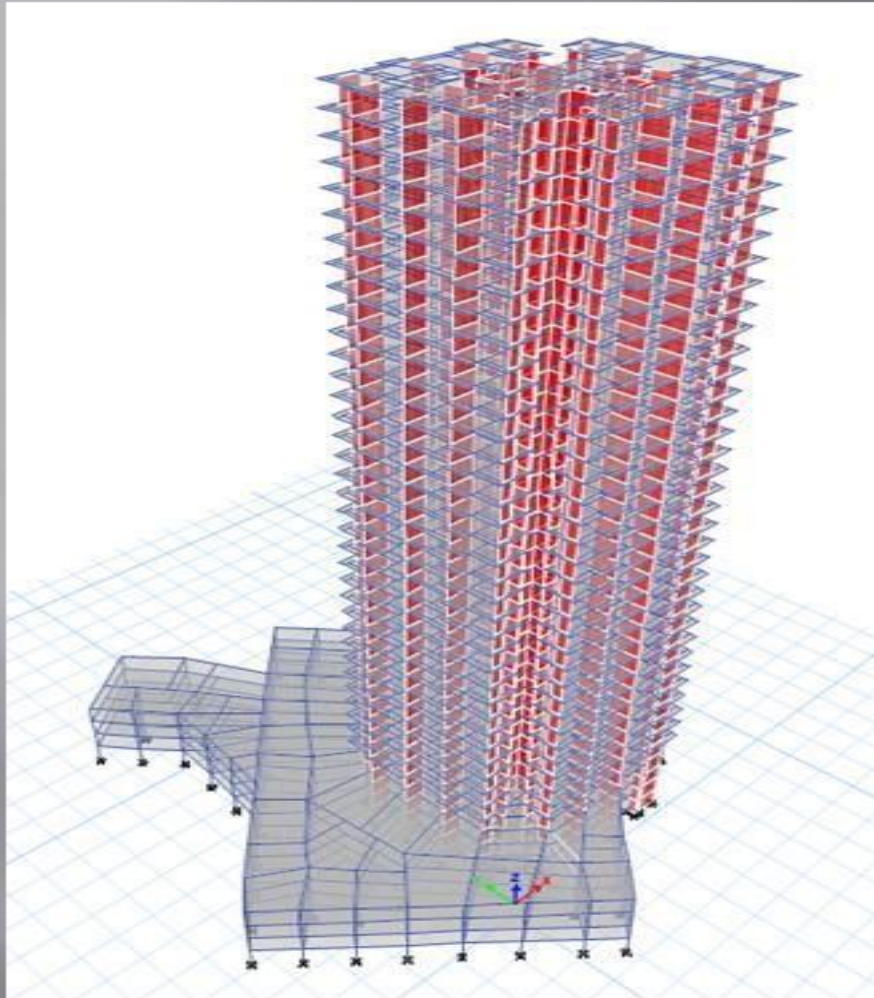
PROJECT DESCRIPTION: The structure comprises of $2B+2p+17$ floors intended with the usage for car parking, residential apartments. The whole structure has been designed to withstand lateral forces.

STRUCTURAL DESIGN PROJECT



PROJECT NAME : BUNGEE JUMPING, GOA

STRUCTURAL DESIGN PROJECT

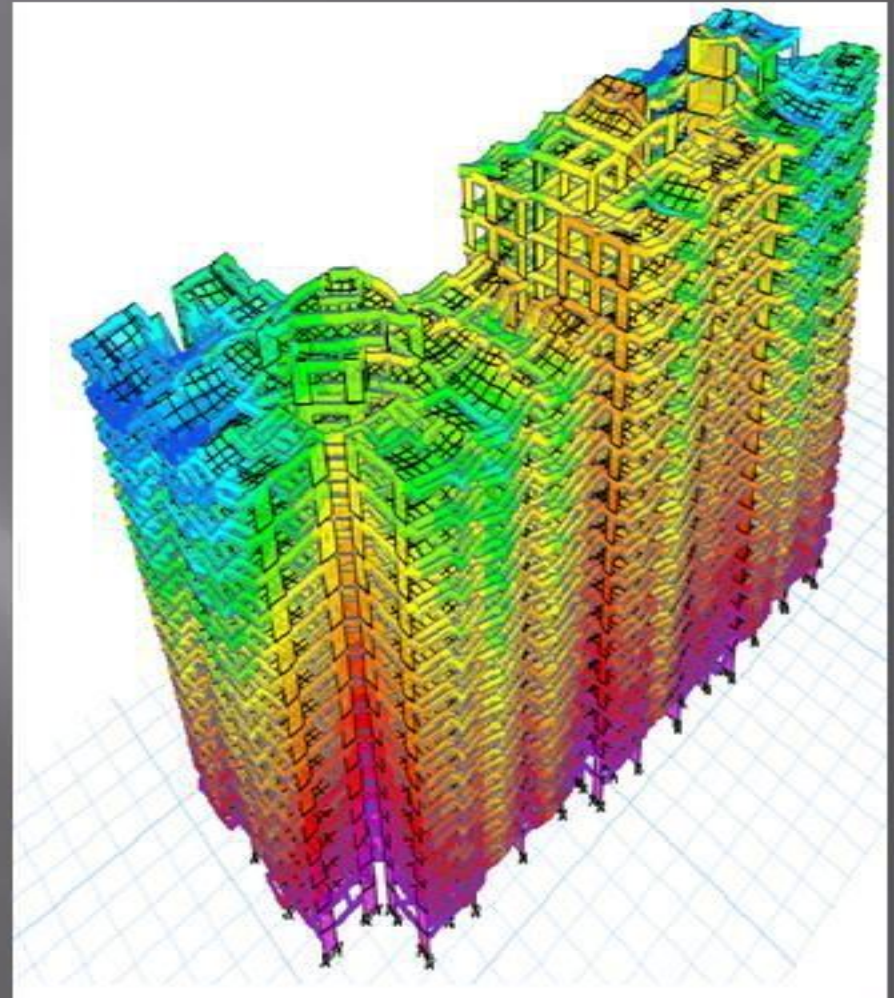
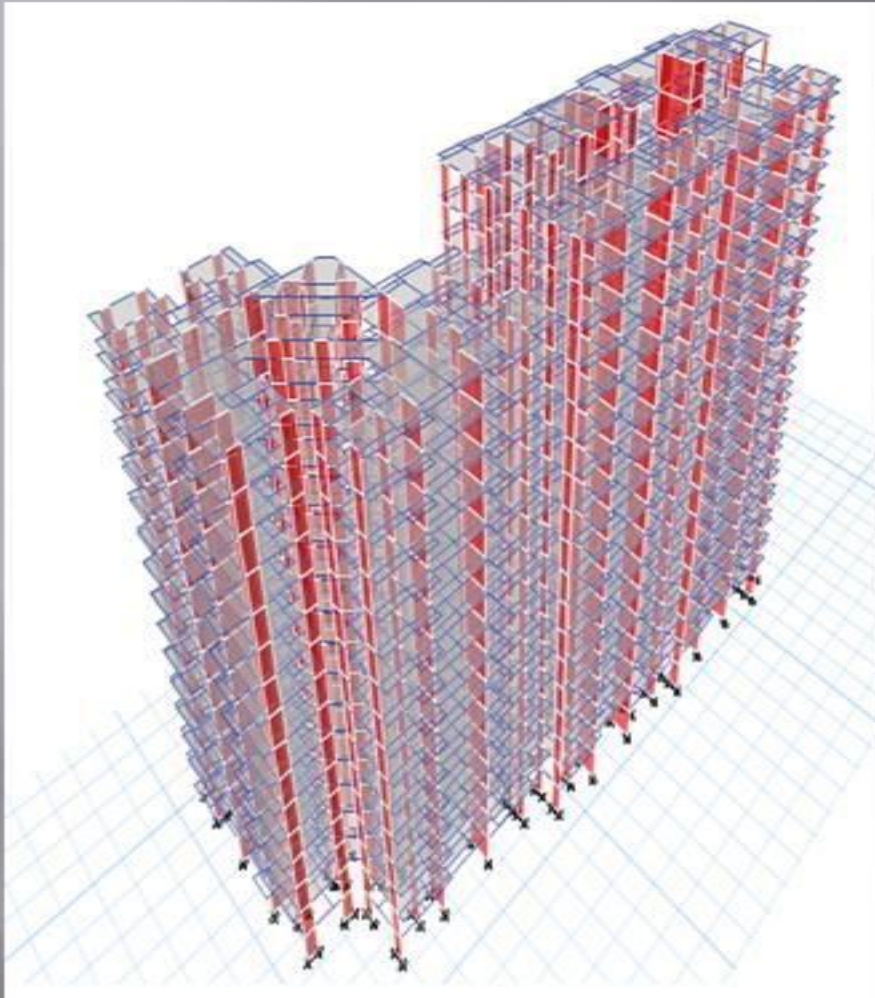


PROJECT NAME: DILESH BHAI , Mumbai

FLOOR DESCRIPTION: G + 42

PROJECT DESCRIPTION: The structure comprises of 3B+3p+36 floors intended with the usage for car parking, residential apartments. The whole structure has been designed to withstand lateral forces.

STRUCTURAL DESIGN PROJECT

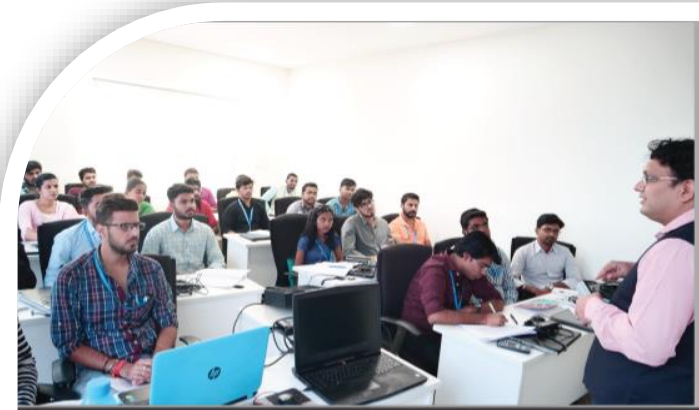


PROJECT NAME: KAVESAR, Mumbai.

FLOOR DESCRIPTION: G+18STORIED BUILDING.

PROJECT DESCRIPTION: The structure comprises of G+18 floors intended with the usage for car parking, residential apartments. The whole structure has been designed to withstand lateral forces..

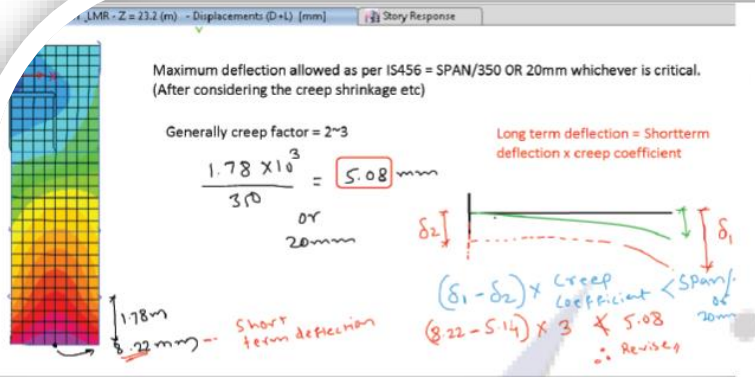
Classroom Sessions



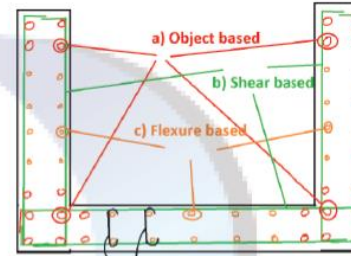
Workshop at Mumbai



Glimpse of Digital / White Board

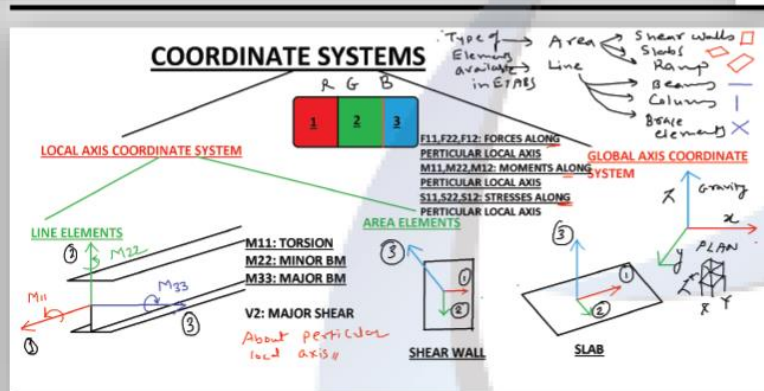


U shape or any Irregular shape shear wall design Idealizations



- ○ :- Higher diameter main vertical rebars (Object based Idealisation)
- ○ :- Lower diameter main vertical rebars (Flexure based Idealisation)
- :- Horizontal shear rebar (Shear based Idealisation)

Based on IS13920 or from site requirement based



GRAVITY LOADS

1.0 DEAD LOAD:

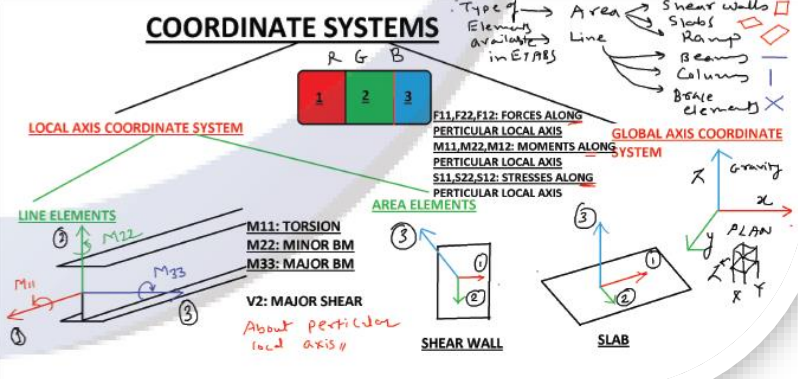
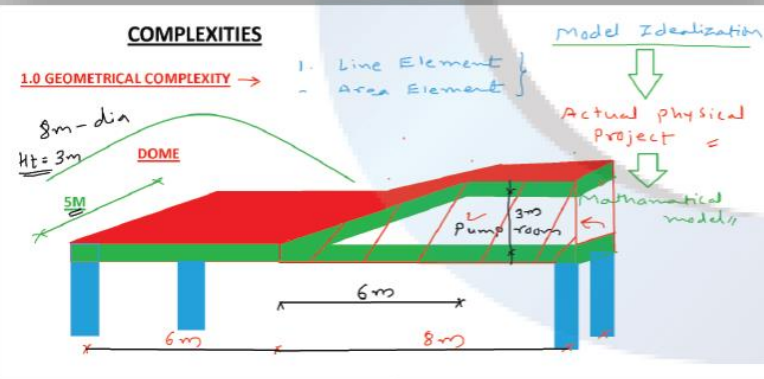
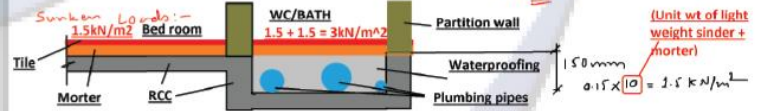
AREA LOADS (General)

a. SELF WEIGHT SHALL BE CALCULATED BY ETABS AUTOMATICALLY (By selfweight multiplier=1.0 in Dead load case)

b. LOAD COMING FROM TILES AND SCREED = (Density of Tile X Thickness of Tile) + (Density of Screed (or mortar) X Thickness of Mortar)

This value generally varies between 1kN/m² to 2kN/m²

2.0 LIVE LOAD: AS PER IS 875 PART 2 FOR RESIDENTIAL BUILDINGS LIVE LOAD = 2kN/m²



FROM WHOM SHOULD I LEARN ?

WHERE SHOULD I LEARN ?



OPPOURTUNITIES AVAILABLE FOR CIVIL / STRUCTURAL ENGINEER

BIM SPECIALIST



SITE / PROJECT MANAGER

STRUCTURAL DESIGN
ENGINEER



TENDERING & ESTIMATION
ENGINEER



JOB POSITION V/S EXPECTED CORPORATE SKILLSET





e-construct.in

HOW TO GET CORE TECHNICAL JOBS



05

MAKE A PRESENTATION VISUAL/ VIDEO RESUME/
PORTFOLIO.

04

LEARN TECHNICAL REPORTING/ PRESENTATION
SKILLS/ IMPROVE BUSINESS WRITING/
SPEAKING SKILLS.

03

ACQUIRE TECHNICAL SKILLS AS PER
INDUSTRY STANDARD ON PROJECT
BASED LEARNING PATTERN THROUGH
ON JOB INTERNSHIPS/ WORKSHOPS ETC.

02

DO MARKET RESEARCH ON
JOB POSITIONS v/s SKILLSETS.

01

KNOW THE OPPORTUNITIES
AVAILABLE IN THE MARKET.
IDENTIFY YOUR AREA OF
INTEREST.



AGENDA FOR TIE UP BETWEEN ACADEMICS & CORPORATE TRAININGS

01

Bridging the gap between
Academics & Company Expectations.
Strive for Skills.

03

Making the best use of Semester
Breaks for Technical Trainings.
Special attention to drop
out students.

05

Teach the technique, not just software.
Each student must know set of software
corresponding to the Job positions cho



02

Make sure that Final year projects
are Live Projects & not dummy project
Encourage Patents & research &
Inter-Disciplinary projects.

04

Technical interview cracking sessions on each softwa
Learnt during our corporate training.
Special Guidance for Personal Portfolio creation.
Encouraging Entrepreneurship among students.

WHY CHOOSE US FOR TRAINING ?

01

Learn from Industry Experts

03

Learn Technical Presentation
& Reporting Skills

02

Mock Technical Interview
Sessions

05

Project Base
Learning/
Varied Varie
of Projects

04

Acquiring Tech Skillsets as per
Industry Requirements

Fast Track Project based Training Program

Combination of Classroom + Online Training on

Structures
Softwares

1

1. **ETABS** (3 Day)

2. **SAFE** (2 Day)

BIM
Softwares

2

3. **AutoCAD** (2 Day)

4. **Revit** (3 Day)

Classroom
Training

3

Classroom Training = 4 Workshops
= 88 hrs

Online
Training

4

Online Training = 16 hrs for 1 month

OTHER SERVICES

01. Structures

Software Knowledge

ETABS Basic
ETABS Advance
SAP2000
SAFE
CSI Bridge
Prokon
RCDC

Code Based Knowledge

Indian Codes

IS-456-2000
IS-800
IS-1893 2016
IS-13920
IS-16700

International Codes

BS 8110
ACI 318
CEBFIP 2010
UBC 97

Structural Engineering Fundamentals

- FEM Concepts
- Linear & Non-Linear analysis
- PBD - (Performance Based Design)
- Static & Dynamic linear & non-linear analysis.

Corporate Work Experience

- Working on Industry Live Projects
- RCC Structures
- Flat Slabs
- Steel Structures
- Composite Structures
- Case studies upto 100 storey buildings

02. Project Management & BIM Specialist

Software Knowledge

AutoCAD
ArchiCAD
Revit
NavisWorks
Spreadsheets
MSP

BIM Concepts

2D - Plans, Elevations & Sections
3D - Perspective View
4D - Time Model
5D - Cost Model
6D - Energy Model
7D - Hospitality/ Maintenance Model/RERA compliance

Project Management Concepts & Fundamentals

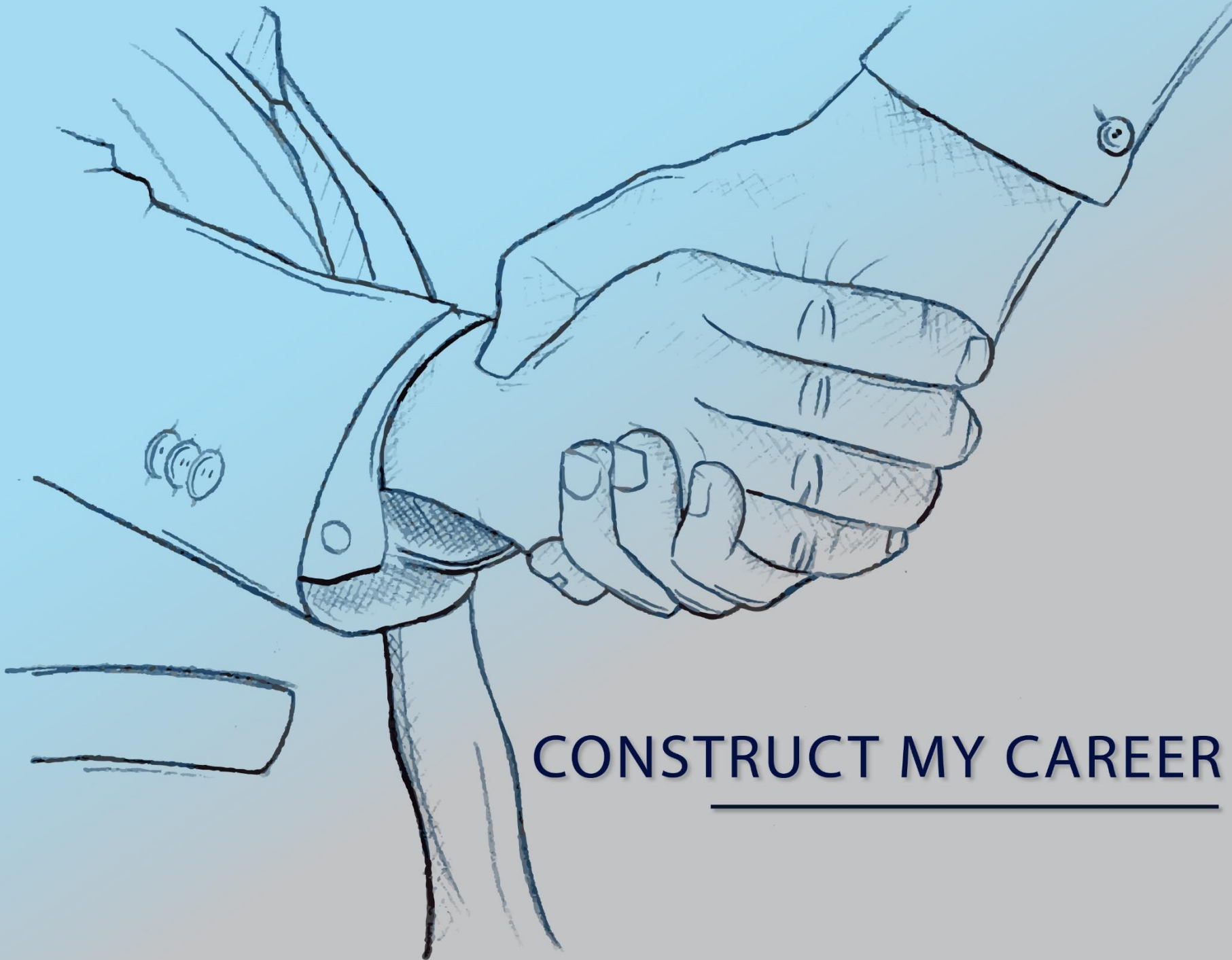
- Bar Charts
- Critical Path methods
- Scheduling
- Monitoring
- Investment v/s Rate of Returns Ratio (IRR)
- Profitability v/s Investment Charts

Live Project Corporate Work Experience

- Small Villas
- Highrise Buildings
- Industrial Building
- Cluster Project



Thank you



CONSTRUCT MY CAREER

The image features a vibrant blue background with a dynamic, abstract pattern of white and light blue streaks and brushstrokes, creating a sense of movement and energy. A prominent white rectangular frame is centered on the page, enclosing the main text. The text is rendered in a clean, bold, white sans-serif font, with a subtle drop shadow that makes it stand out against the busy background. The overall composition is modern and professional, suitable for a corporate or motivational presentation.

**YOUR SUCCESS
IS OUR
GOAL**