

# MEMORANDUM OF UNDERSTANDING (M.O.U) FOR FAST TRACK TRAINING PROGRAM

This Memorandum of Understanding entered on 31<sup>st</sup> March 2019\_between **College name and address**, which expression shall unless repugnant to the contest means and include its successors and assigns of the ONE PART.

AND

**ECONSTRUCT DESIGN & BUILD PVT. LTD.**(**EDBPL**) Bangalore, having its office at Venkatdhari Heights, 2<sup>nd</sup> Floor, Parapanna Agrahara Main Road, Bangalore -560068 which expression shall unless repugnant to the contest means and include its successors and assigns of the OTHER PART.

WHERE AS

EDBPL and College have Engineering students.	e decided to tie up to execute a training program for C
1.1. This MOU shall b	pe effective from
ŭ	ned Shraddha Pingale - Jt. Managing Director as a matact and College has identified  (Dept of Civil Engineering) for all



#### **RESPONSIBILITES OF EDBPL**

- 1. EDBPL shall provide industry experienced trainer for providing such value-added courses in the campus for carrying out the classroom training.
- 2. EDBPL shall also provide online training or doubt clearing sessions after the classroom training is over as a complimentary training support (handholding support after classroom training)
- **3.** EDBPL shall provide the relevant material to the students required for better understanding of the software / project execution etc.
- **4.** EDBPL shall give all the relevant certificate to all the students who participate in this training program after successful completion of training.
- **5.** EDBPL shall provide the best possible knowledge and skill sets available in the industry along with project-based learning experience.
- **6.** EDBPL shall bear their own travel expenses.

#### **RESPONSIBILITIES OF COLLEGE**

- 1. College will provide all the necessary facilities at the college campus to EDBPL, so that they are able to execute the aforesaid services in efficient manner.
- 2. Classroom / Auditorium or seminar hall for the students with mic & speaker, white board and projector facility.
- **3.** Infrastructure & Admin support for conducting such courses in the most efficient manner. WIFI if needed.
- **4.** Accommodation for 3 people. (Two guest rooms) within the campus or nearby to the campus.
- **5.** Visa for 3 Trainers to be provided by the college. (For international colleges)



#### **Training program will contain 4 Modules:**

<u>Module 1</u>: ETABS offers 3D object-based modelling and visualization tools, fast linear and nonlinear analytical power, comprehensive design capabilities and insightful graphic displays, reports, and schematic drawings that allow users to quickly and easily decipher and understand analysis and design results.

<u>Module 2</u>: SAFE is tool used for designing concrete floor and foundation systems. From framing layout all the way through to detail drawing production, SAFE integrates every aspect of the engineering design process in one easy and intuitive environment.

<u>Module 3</u>: AutoCAD is a 2-D and 3-D computer-aided drafting software application used in architecture, construction, and manufacturing to assist in the preparation of blueprints and other engineering plans.

<u>Module 4</u>: Autodesk Revit Architecture is a Building Information Modelling software for architects, landscape architects, designers and contractors.

The software allows users to design a building and structure and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building model's database.

#### **Type of Projects covered:**

- 1). Residential
- 2). Commercial,
- 3). Industrial and
- 4). Infrastructure



#### Software's Covered in Classroom Training in the form of Workshop

- 1). ETABS 3 Day workshop = 24 hrs.
- 2). SAFE 2 Day workshop = 16 hrs.
- 3). AutoCAD 2 Day workshop = 24 hrs.
- 4). REVIT 3 Day workshop = 16 hrs.

Detailed syllabus of all the 4 software is attached to this document.

# <u>Complimentary Online training support after the classroom training (Dates and time can</u> be mutually decided after classroom training is over)

- 1). ETABS 4 hrs.
- 2). SAFE 4 hrs.
- 3). AutoCAD 4 hrs.
- 4). REVIT 4 hrs.

#### **Fees structure:**

- 1). There is no restriction on number of students who can attend the training and the fees is charged on Lumpsum basis all inclusive.
- 2). Dates for classroom training @ campus and Complimentary Online support trainings will be decided mutually based on academic calendar of the college in advance by both the parties.
- 3). EDBPL would charge a lunpsum amount of Rs 6,00,000 + 18 % GST for the whole training (classroom + online + certification)
- 4). College shall pay 50 % fees upon signing and accepting of this mou
- 5). Remaining fees shall be paid immediately after the Classroom training is over.



#### **ACCOUNT DETAILS: -**

BANK NAME	HDFC BANK
BANK ACCOUNT NUMBER	50200000209630
BANK ACCOUNT HOLDER NAME	ECONSTRUCT DESIGN AND BUILD PVT LTD
IFSC CODE	HDFC0000885
BRANCH NAME	BTM LAYOUT, BANGALORE, KARNATAKA

In witness where of the parties have signed this MOU on dated\_\_\_\_\_\_ Place - Bangalore.

HOD Principal

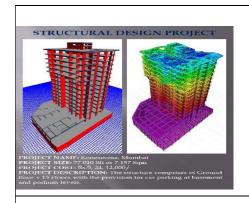
#### For Econstruct Design & Build Pvt Ltd

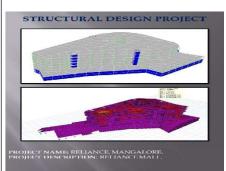
Shraddha Sandeep Pingale Sandeep D Pingale

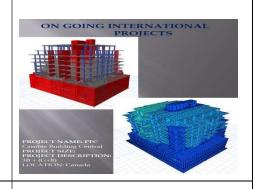
Jt..Managing Director Founder & M.D

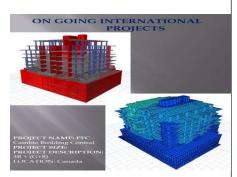
**PROJECTS: STRUCTURES** 

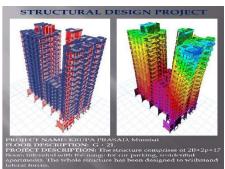




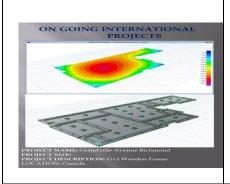










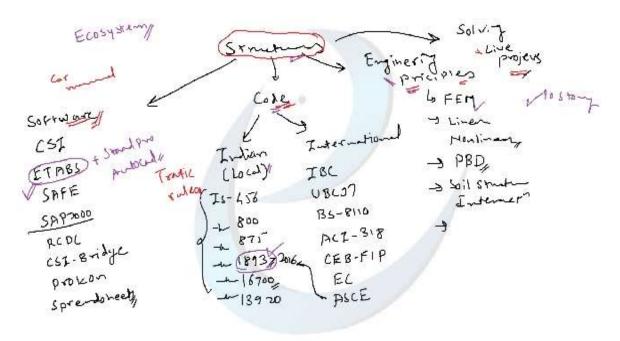


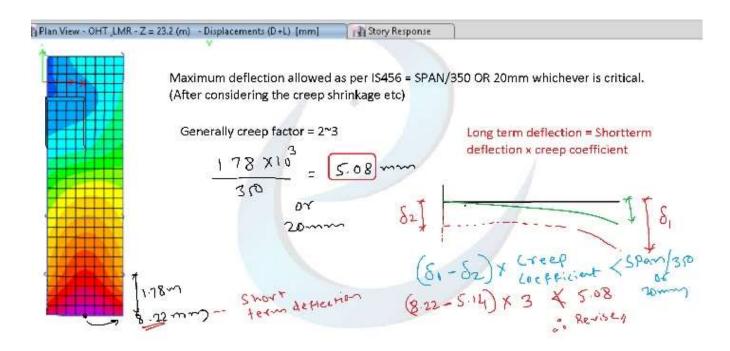




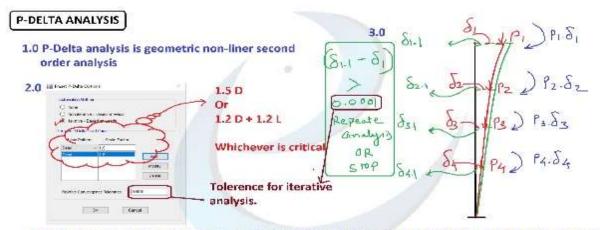


#### **GLIMPSE OF TRAINING / WHITEBOARD**

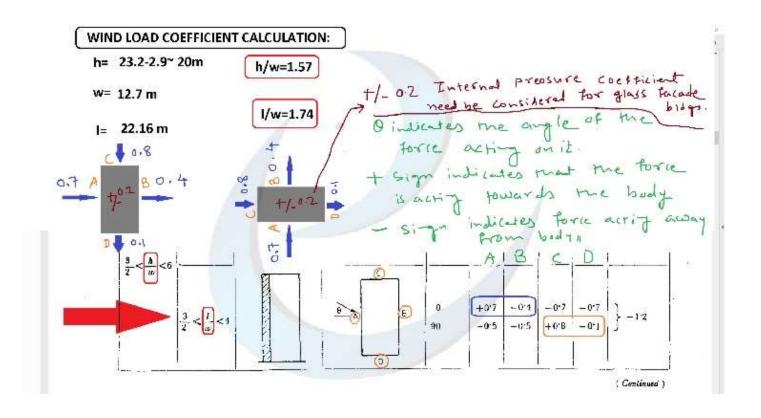






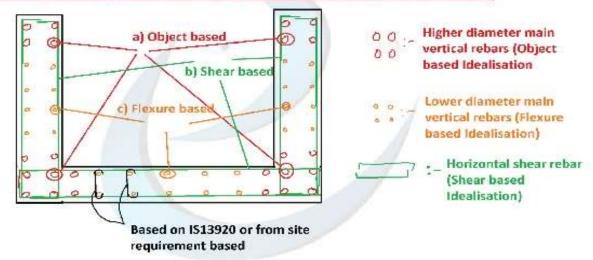


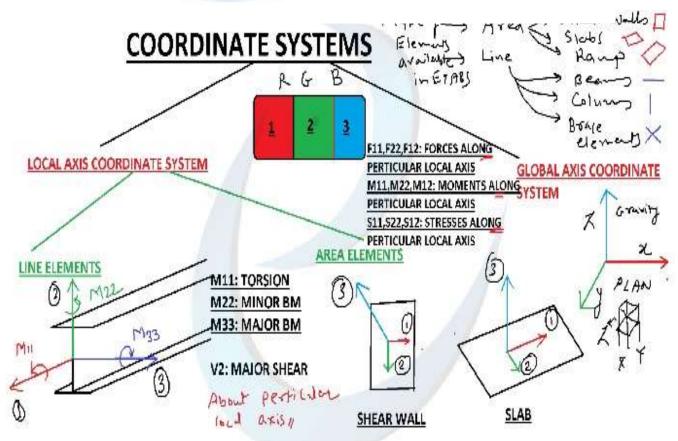
4.0 P-Delta analysis is getting used in various other types of analysis also. Like for e.g. Buckling analysis, Construction sequence analysis, Pushover analysis etc.



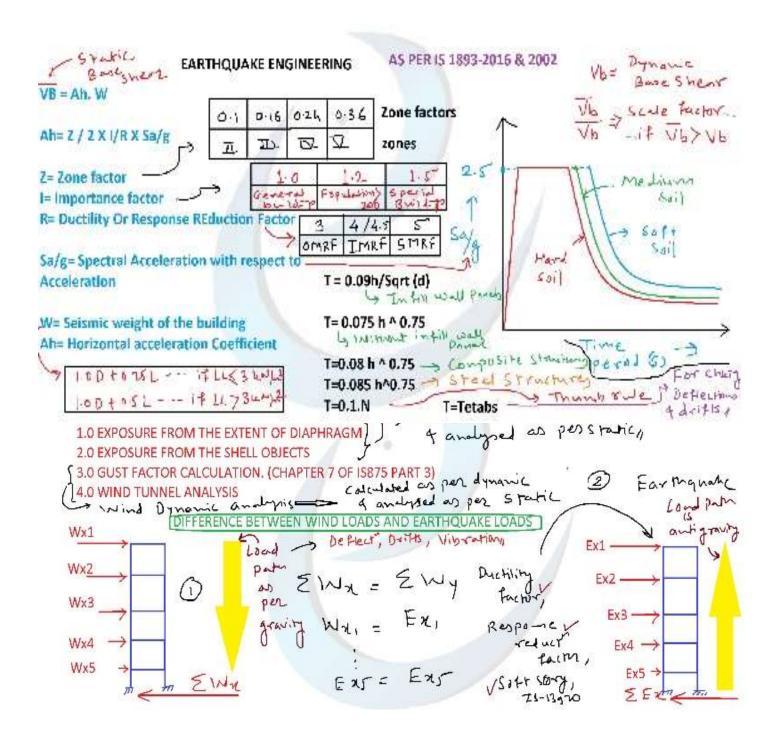


### U shape or any Irregular shape shear wall design Idealizations

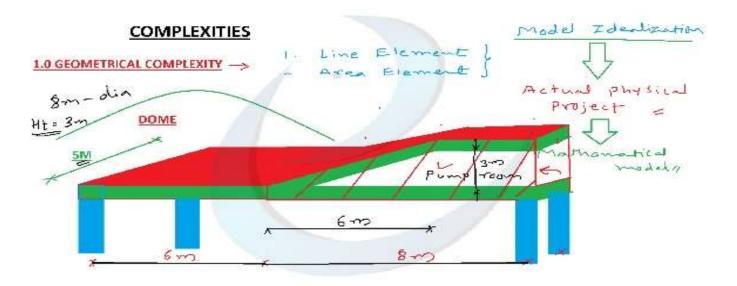












#### **GRAVITY LOADS**

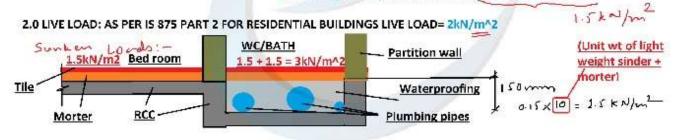
1.0 DEAD LOAD:

AREA LOADS ( General)

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

b. LOAD COMMING FROM TILES AND SCREED = (Density of Tile X Thickness of Tile) + (Density of Screed (or morter) x
Thickness of Morter)

This value generally varies between 1kN/m^2 to 2kN/m^2





Screenshot of ONLINE Training ERP. Each student would get a Log in and password for this type of Online doubt clearing sessions and trainings

