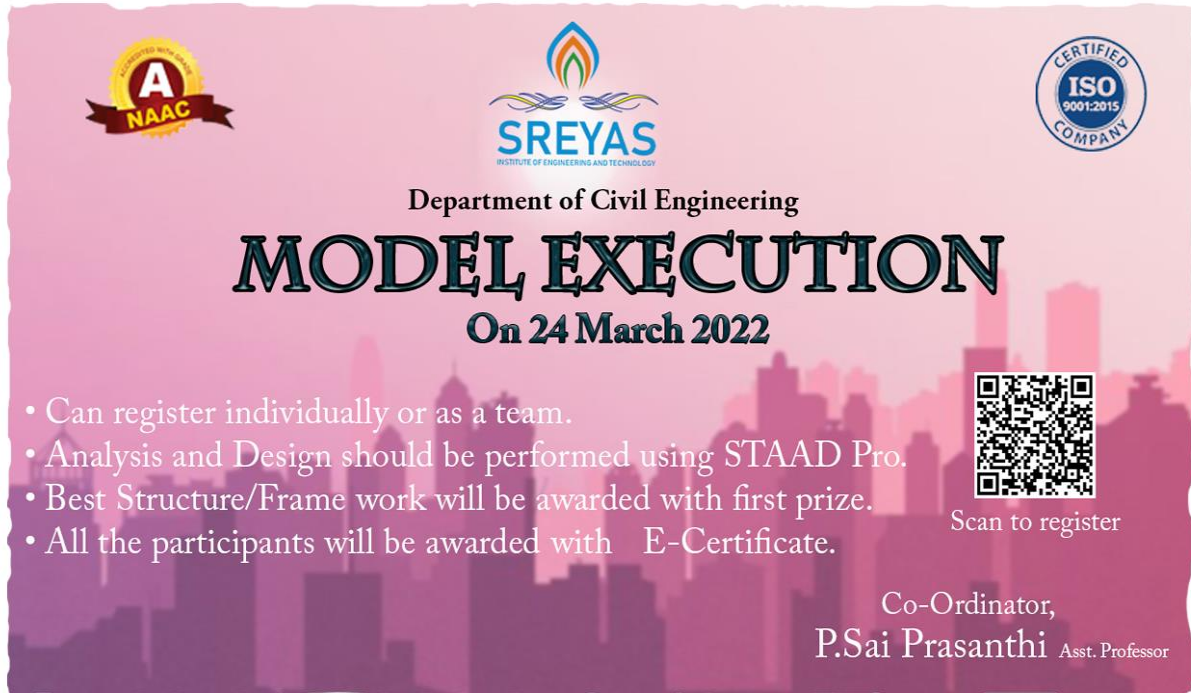




MODEL EXECUTION AS A PART OF TECHNICAL EVENT OF
SRIYAM2022



The poster features a pink background with a city skyline silhouette. At the top left is the NAAC 'A' grade logo. In the center is the Sreyas Institute of Engineering and Technology logo. At the top right is the ISO 9001:2015 Certified Company logo. The main text reads 'Department of Civil Engineering' followed by 'MODEL EXECUTION' in large, bold, serif font, and 'On 24 March 2022' below it. A list of bullet points is on the left, and a QR code with the text 'Scan to register' is on the right. The name and title of the Co-Ordinator, P.Sai Prasanthi, Asst. Professor, are at the bottom right.

Department of Civil Engineering

MODEL EXECUTION

On 24 March 2022

- Can register individually or as a team.
- Analysis and Design should be performed using STAAD Pro.
- Best Structure/Frame work will be awarded with first prize.
- All the participants will be awarded with E-Certificate.

Scan to register

Co-Ordinator,
P.Sai Prasanthi Asst. Professor

OBJECTIVE

- To enhance the subjective skills of student using software STAAD.pro V8i.
- To revise the hands-on experience of students on software.
- To bring out the best structure model from students.



OVERVIEW

The event is conducted to test the student skills in respective software STAADPRO. Participant has to create a model of required dimensions and considering different structural parameters using STAADPro software. Analysis will be performed after the completion of model, The model with Zero errors will be awarded with high marks and also load conditions and structural properties are considered in assigning marks.

The event has been conducted on 24th march 2022. Students will be awarded with marks ranging from 1 to 30 depending on their work. Event was conducted by Mrs. P sai prasanthi, Assistant Professor, Department of civil engineering.

STEPS INVOLVED

1. Opening new project
2. Configuration (To setup Units)
3. Initiating project
4. Creating model in structure wizard and transferring the model
5. Defining properties and assigning them in a sequence of Beams-columns-slabs.
6. Defining and assigning supports to the structure.
7. Defining load cases and load combinations and assigning them.
8. Materials
9. Run analysis.

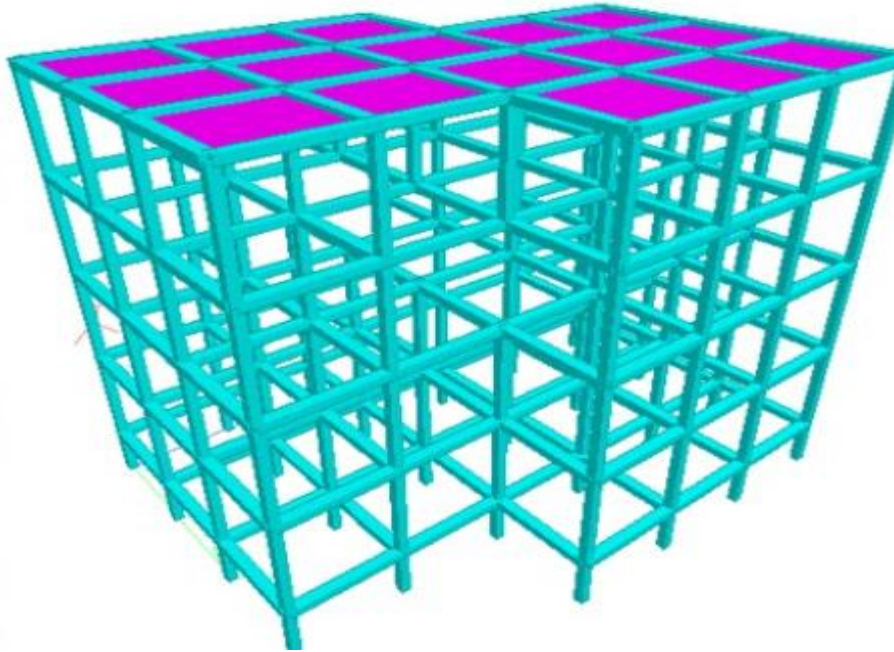


LIST OF STUDENTS REGISTERED:

S.NO	NAME	ROLLNO
1	Vivek Vardhan Reddy	19VE1A0112
2	Kosika Sujana	20VE1A0111
3	Ramu	19VE1A0140
4	Adrija muniman	19VE1A0132
5	Hansika Madip	20VE5A0111
6	G pavan kalyan	20VE5A0107
7	S Bharath	19VE1A0145
8	Sai krishna	18VE1A0147
9	Sanjay	21VE1A0117
10	G joseph sareen	20VE1A0108
11	G madhusudhan	20VE1A0106
12	M v praneeth	19VE1A0129



SAMPLE MODEL



The screenshot displays a software interface for material assignment. On the left, a 3D model of the frame structure is shown with a red wireframe and blue text labels 'CONCRETE' repeated across the structure. On the right, there are two panels:

Materials Panel:

Name	E kN/mm ²	Poisson's Ratio	i
ALUMINIUM	68.948	330E-3	23
CONCRETE	21.718	170E-3	24
STAINLESSSTEEL	197.930	300E-3	7E
STEEL	205.000	300E-3	7E

Material - Whole Structure Panel:

Isotropic Orthotropic 2D

Title: STEEL, STAINLESSSTEEL, ALUMINIUM, CONCRETE

Highlight Assigned Geometry

Create Edit... Delete...

Assignment Method:

- Assign To Selected Beams
- Assign To View
- Use Cursor To Assign
- Assign To Edit List

1 To 3 6 To 8 11 To 13 16 To 18 21 To 23 26

Assign Close

Load 1

Modeling Mo. Load 1 : DL Input Units: kN-m



LIST OF STUDENTS PARTICIPATED AND MARKS AWARDED

S.NO	NAME	ROLLNO	MARKS AWARDED
1	B Vamshi nayak	18VE1A0112	21
2	M shylaja	19VE5A0105	20
3	D Viveka Vardhan reddy	19VE1A0112	25
4	Koneti Srisailam	19VE1A0125	28
5	Meka Veera Praneeth	19VE1A0129	22
6	Survi Bharath	19VE1A0145	27



