

## **Nirmaan Club Event Details**

### **1. Design Competition**

Introduction: It is a case study competition based on AutoCAD software which would be involving problem statements involving design as per the requirements.

Team size: Maximum of 3 solo submissions accepted

Duration: 3 Days

Prizes: Rs 10k

First Prize: 5k

Second Prize: 3k

Third Prize: 2k

## **DESIGNING COMPETITION – ‘RACHNA’**

INTRODUCTION - It is a case study competition based on simple engineering drawing (including AutoCAD software or A3 sheets – whichever preferred by the participant) which would involve a problem statement involving design as per the requirements.

Team size: Maximum of 3/ solo submissions accepted.

This event will benefit the students to create more accurate design representations. Will help in developing their designing skill to be more precise with their designs. Will also help them in careers like architectural designing and also digital arts.

BLUEPRINT – The competition is open to all young enthusiasts who want to show off their civil engineering design skills to the rest of the tech globe. All you have to do is design as many views required to get the structure (plan, elevation, side, sectional view).

### **IMPORTANT INSTRUCTIONS –**

1. It is an online event. It is advised to pre-install AutoCAD software in your laptops or have A3 sheets, pencil and geometry box with you beforehand.
2. Solo Participation and each participant is allowed to submit a maximum of 3 submissions.
3. Rough plans are also advised to submit. Make the Plan in separate .dwg files. In case you are using any other design software apart from AutoCAD you are free to submit a screenshot/image of your design.
4. The units of the plan must be set appropriately (Proper scaling factors).
5. Your plan must contain a title block containing your name, Institution Name and registration ID.
6. The submission will be accepted before 11:59 pm (/05/2022).
7. The submission should be sent via Email, the participant must enter the subject of the email as: “RACHNA-DESIGN COMPETITION”

8. The body of the email should contain: ▪ Name of participant ▪ Name of college ▪ Contact number ▪ ZIP File containing “.STD”, “.ANL” and “.rcdx” file.
9. There are no extra points for early submissions.
10. The organizers reserve all rights to make changes in rules as deemed fit.
11. Change in constraint, if any, will be highlighted on the website and will be mailed to all the registered participants. Every participant is expected to follow the Rules that are listed above; failure to comply with any of the mentioned rules will lead to disqualification.

#### PROBLEM STATEMENT –

To model a G+4 building in AutoCAD software or A3 sheets, as per the participant's preference; with the following details:

- (a) Area per floor ~ 280 m<sup>2</sup>
- (b) Floor to Floor height ~ 3m
- (c) The building should be well spaced and designed to be equipped with all necessary utilities such as workplaces, washroom(s) and so on. Choice of utilities is completely at the participants' discretion.

#### JUDGING CRITERIA

- (1) 75% points will be on design and 25% will be for your presentation.
- (2) Marks for designing will be awarded for space optimization, energy optimization and practicality of the model designed.
- (3) Marks for presentation will depend only and only on your presentation skills.

#### OVERALL BUDGET – 12k

#### SPONSORS –

1. Schneider electric
2. FLANDRE architectural surface
3. DELIUS world of textile
4. FATRA
5. QUARELLA
6. PERGO
7. EEGGER
8. BALSON
9. IDEAL STANDARD
10. TRY 60 MO YEARS
11. LAFARGE
12. GUARDIAN GLASS
13. HORNING floor for generation
14. RAKO
15. BENTZON CARPETS
16. KURARAY
17. DYSON

18. COOL EDGE
19. ZUMTOBEL
20. KVADRAT
21. COSENTINO