

Report on National Level AutoCAD Competition Held on 22nd
& 23rd Jan, 2022

Date of Event	22nd – 23rd January 2022
Name and Type of Event	National Level AutoCAD Competition
Conducted by	Ms. Kamalika Das, Mr. Kumar Shubham and Mr. Maniranjan Kumar
Number of Participants	115

AutoCAD is a computer-aided software program created by Autodesk that enables drafters, architects, engineers, and other experienced professionals to create two dimensional and three-dimensional models of solid surfaces and meshes. Earlier to the invention of CAD programs, manual hand drafting tools like drafting boards and pencils, parallel rulers, compasses, and triangles were only the options for the designers to create 2D designs.

The National Level AutoCAD Competition was a challenging 2-days drafting and designing competition, focusing on advanced, real-world problems in the field of Civil Engineering. It is open to the students of multiple branches nation-wide.

This national competition provided a common platform to the participants across the nation to showcase their talent of planning, drafting and designing in context to Civil Engineering. A total of 115 participants registered for the event.

Phases of the Event:

Round 1 – Basic Designing Problems using AutoCAD (Day-1)

Time Allotted- 1hr

Date- 22nd, Jan, 2022

Number of Participants: 115

Round 2 – MCQ Based Test (Day-2)

Total Number of Questions- 45

Time Allotted- 30min

Number of Participant (Qualified in Phase-1) - 70

Date- 23rd Jan, 2022

Round 3 – Drafting & Designing (Day-2)

Total Number of Participant (Qualified in Phase-II) - 29

Date- 23rd Jan, 2022

Time- 4hrs

What were the judging criteria on which the Candidates were evaluated?

The evaluation of the designs submitted was done on the following criteria:

- 1) Design Approach
- 2) Vaastu Considerations
- 3) Aesthetics
- 4) Proper Labelling & Marking
- 5) Overall Feasibility of the Project

The outcome of the Event:

This competition aims to give a reality check to the students about where they stand in the Job Market and how they can plan to reach the greater heights in the Civil Industry in the Core Technical Job Market.

Problem Statement:-

Draw a proposed bungalow plan of plot area 160m² according to the Vaastu Considerations. Following are the requirements for the accommodation:

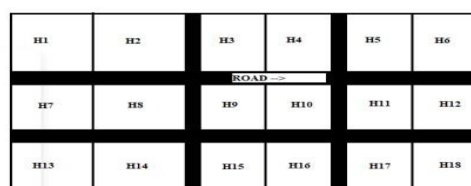
1. A drawing hall-25m²
2. Living room-25m²
3. Kitchen cum dining room-15m²
4. Guest Bedroom-20m²
5. Children's bedroom-20m²
6. Master bedroom-20m²
7. Bathroom-2.25m²

Provide adequate Verandahs, Passages, Sanitary Units, Staircase etc. as per Bye-Laws. The Structure may be planned as G+1 RCC Framed Structure. Draw-

- a) Ground Floor and 1st Floor Plan
- b) Elevation (Front View) of the Bungalow.
- c) Arrangement of Columns with suitable specifications
- d) Specifications of Staircase, Doors, Windows, Reinforcement bars, Beam, Footing and Columns to be shown in a tabular form. Only the drawing of column, beam and foundation to be shown.

The Plot location is shown in the figure below:

H8 is the Location of Plot



Event Poster



JGI
ARKA JAIN University
Jharkhand (Jamshedpur)

Department of Engineering and IT

NATIONAL LEVEL AutoCAD COMPETITION

22ND & 23RD JANUARY 2022

Last Date of Registration:
21/01/2022
(Till 6 pm)

SCHEDULE

PHASE-I
Date: 22/01/2022 | Time: 11 am
Top 70% of the registered candidates will qualify for the next phase

PHASE-II
Date: 23/01/2022 | Time: 11 am
Top 40% of the candidate will qualify for the final phase

PHASE-III
Date: 23/01/2022 | Time: 1 pm
Preparing a Building Drawing based on Vaastu Consideration

ELIGIBILITY

- **Diploma- Civil Engineering**
(All Semester/ Pass out Batch)
- **B.Arch.**
(All Semester)
- **B.Tech-Civil Engineering**
(All Semester/ Pass out Batch)
- **Diploma- Architectural Assistantship**
(All Semester/ Pass out Batch)
- **Diploma- Vaastu Sastra**
(All Semester/ Pass out Batch)

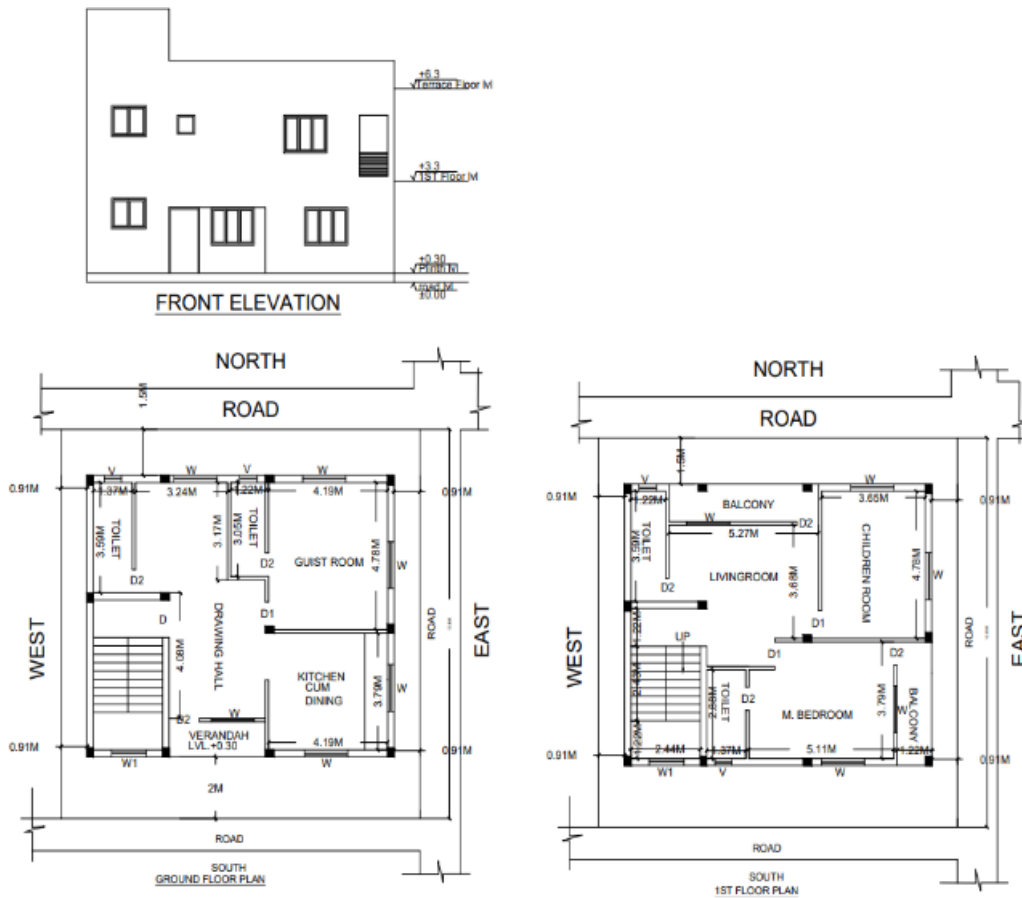
NOTES

1. Certificates of Participation to all.
2. Top 3 participants will get the Merit Certificate
3. No Registration Fee
4. To be conducted in Online Mode

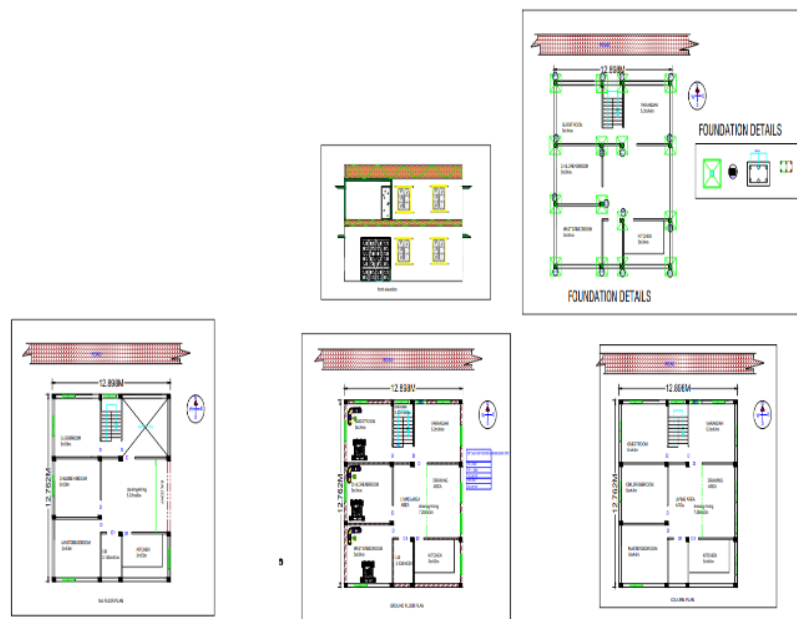
REGISTRATION LINK:
<https://forms.gle/KaBf91AzgyGCpsde9>

Contact: Ms. Kamalika Das | Mobile: 8218035710 | Email: kamalika.d@arkajainuniversity.ac.in

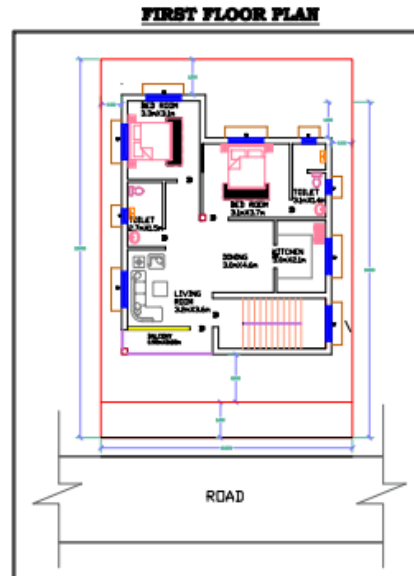
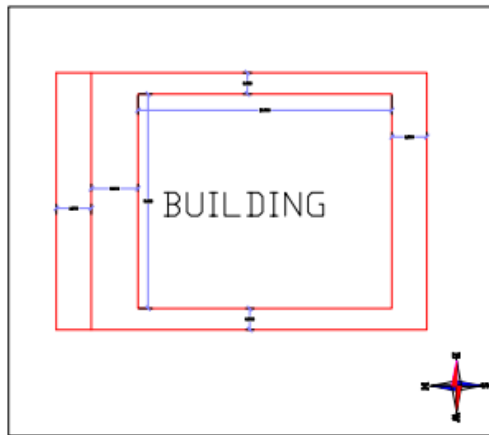
Design Submitted by Shivani Kumari (Winner)



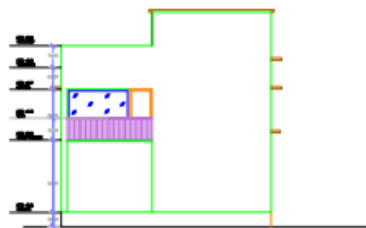
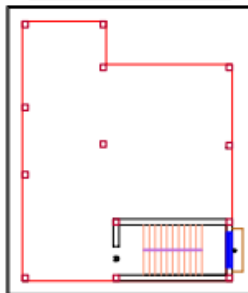
Design Submitted by Rupanjli Kumari (2nd Rank)



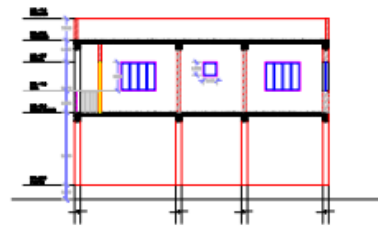
Design Submitted by Shreya Kumari (3rd Rank)



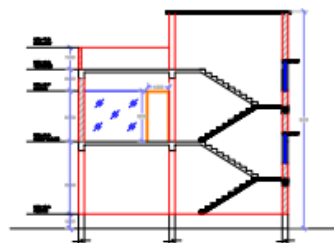
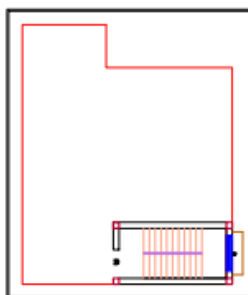
GROUND FLOOR PLAN



FRONT ELEVATION



TERRACE FLOOR PLAN



DOOR WINDOW SCHEDULE				
TYPE	NO.	AREA	UNIT	REMARKS
D	01	1.20	SQ.	
W	01	1.20	SQ.	
T	01	1.20	SQ.	

Design Submitted by Ashutosh Kumar (4th Rank)

