

ARCHIBUILT

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COSTECH

DESIGN COMPETITION IS ON

Smart City Building Design

DESIGNING A SMART BUILDING

THEME: Sustainable Green Design Competition 2022

“Sustainability is living within the regenerative capacity of the earth, so that the essential needs of present generations can be met without compromising the ability of future generations to meet their essential needs” – Miriam Nielsen

This competition calls for a display of care and love, it inspires competitors to be sensitive toward issues, problems, and challenges facing the society and provide responses with creative design solutions.

The competition is intended to stimulate creativity, intellectual, and develop technical presentation skills, collaboration, and team-building in a 3D design project. We have conceptualized the theme so that the participants who are the next generation of designers will inculcate the correct values using these software solutions to bring out the best in them and design for sustainability.

THE DESIGN BRIEF FOCUSES ON 5 LEVELS OF CARING:

- **Designing a Better World:** We have a technological role to play in influencing the impact of design in today's changing world.
- **Delivering a Better Project or Product:** We have the proven ability to engage with and consult with our clients to improve their delivery of any project or any manufacturing product.
- **Technology Adoption:** Technology is just a tool, but with our experience, we can ensure it produces tangible result that impact the bottom line.
- **Caring for your Society:** A nation is meaningless without its people. It is the people who make up a nation. A strong and successful nation is built upon firmly bonded citizens who have a deep level of care for the greater good of society. The relationship between man and his fellow mankind is upheld to the highest order. In the time of joy and in times of sickness none will be left alone and isolated.

- **Caring for Your Environment:** The earth is our only home. It is a dwelling place for mankind. The environment in which the earth has provided us with makes the brightness of the day for us to work for a living and the calmness of night for us to sleep in peace. Modern living is often clouded with overly materialistic objectives placing greed over justice leaving behind celestial values over temporal worldly gain. The collective responsibility of taking care of the environment is ignored. The earth is greedily mutilated. These trends are affecting the overall health of the planet and the global cost of energy, giving tremendous challenges to the sustainable design movement. Think about your day-to-day practical living and find every possible way to improve them in a significant fashion. You can help people to live a simpler, better and hopefully happier lives. The least we do damage to the ecological system the better world would be for us to live

GUIDING IDEAS AND THOUGHT

- Description given here to purely act as a guide to illustrate and emphasize the intention of the competition as captured by its theme:
- A good design could change the way human do things in a better way. Innovatively created building and products is capable of changing things in its own unique way. Sometime the changes are small but its impact on individual and society at large could be greater than what the product could do. It can be an improvement from an existing design or a totally a brand-new design.
- Digital Prototyping brings together design data from all phases of the design development process and enables students/professionals to create a single digital model that can be used in every stage of construction. Thus, bridges the gaps that usually exist between conceptual designs, construction and maintenance.
- Inviting designers to let loose creativity to help find innovative solutions to real-world problems, Sustainable Green Design Competition 2022 aims to stimulate creativity, intellect and collaboration as well as develop technical presentation skills and team-building in a 3D design project.
- On the other hand, this Challenge lays a unique platform for professional to take a step forward in creating 3D designs and digital design with the help of various designs 3D CAD software.

Target Audience:

- The competition focuses on:
- Sustainable building design for positive greenhouse effect.

PHASES OF COMPETITION

This competition is organized as National Level Competition and will be regarded as the leading Design Competition in Nigeria.

- a. The participants are required to fill an Online registration form, Registration opens by September 7, 2022
- b. Submission of design projects in zip file format (of not more than 5MB) before end September 28 2022
- c. Assessment and collation will be conducted by a Panel of 5 judges with cognate practice experiences.
- d. The best finalist will emerge for a final live design presentation at Archibuilt Exposition 2022.



THE COMPETITION WILL BE IN TWO (2) PHASES:

a) Phase 1 - Virtually

The participants are to start their design with goal in mind immediately after registration. Creativity and skill-based contest for entries to compete for the opportunity to have their design selected as the top winners on categories. Entrants will submit their original designs for evaluation according to the competition criteria. Emerging winners will then proceed to the phase 2 competition at the Archibuilt Exposition 2022.

b) Phase 2 - LIVE Presentation

Phase 2 will be a Live presentation of design at the Archibuilt Exposition 2022.

Trustees:

- a. Archibuilt Committee.
- b. M.D Costech Computers limited

Panel of Judges:

The panel of judges comprises 5 professionals with vast knowledge in Architectural Design and Engineering Know how.

Criteria for scoring:

- a. Creativity
- b. Understanding and skillful use of the software
- c. Workability of Designs
- d. Technicality and Engineering knowledge
- e. Designs Presentation
- f. The goal of the design.

REQUIREMENTS

Participants are invited to submit their innovative and sustainable 3D Design for assessment by jurors. In an effort to inspire learning through a real-world situation, the organizers are challenging professionals to create designs using Sketch-Up, Chaos Group, V-ray software.

N/B: Use of these software products is required for this competition.

PRIZES:



1ST PRIZE: Software License + Autodesk, Sketch Up, V-ray Certificate + Opportunity to present your design on the Smart City event and Archibuilt Expo. (Prizes tentative) **(2Million naira worth of prizes).**



2ND PRIZE: Software License + Autodesk Certificate + Opportunity to present your design on the Smart City event. **(1Million naira worth of prizes)**



3RD PRIZE: Autodesk Certificate + Opportunity to present your design on the Smart City event. **(500,000-naira worth of prizes)**