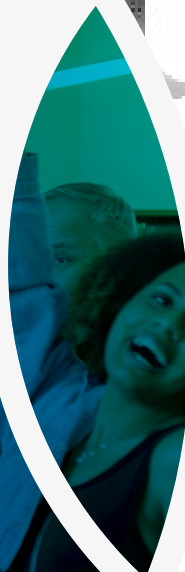


STUDENTS COMPETITION: **SUSTAINABLE SMART BUILDING**



3-Days Conference,
9:00 am - 3:00 pm

**Monday 21st - Wednesday 23rd
October, 2024**

 **THE ZONE**

**Plot 9, Gbagada Industrial Scheme,
beside UPS, Gbagada-Oworonshoki
Expressway, Lagos.**



STUDENTS COMPETITION: SUSTAINABLE SMART BUILDING

Event Overview

Register now and join our design competition to showcase your innovative ideas.

This competition centers on sustainable smart buildings, challenging students to develop solutions that positively impact the environment



Who Can Participate

This competition is open to academic design students who are passionate about sustainability and smart building technologies.

Award Prizes

N 1, 000,000

1st Place

N 750,000

2nd Place

N 500,000

3rd Place

Stage 1: Write-up

As a group of four students, create a 1000-word document outlining innovative solutions to ensure a smart building's sustainability, in line with the United Nations Sustainable Development Goals (SDGs). The proposed building is a four-story office on two plots of land (36m x 36m) in Yaba, Lagos State. Adhere to relevant building regulations and town planning laws, focusing on architectural, structural, electrical, and mechanical engineering aspects. Study UN SDGs 7, 11, and 13. The top 100 entries will proceed to stage 2.

Stage 2: Design Concept

Produce ten sketch drawings to illustrate the design concepts that you recommend for ensuring optimal sustainability in the smart, office building. Focus on the architectural, structural, electrical and mechanical engineering considerations. The best 20 entries will proceed to stage 3 of the competition.

Stage 3: Develop your final design

You will transform your design concepts into a comprehensive and polished final design. This stage requires detailed and precise work. Your task is to produce a full set of architectural, structural, electrical, and mechanical drawings, adhering strictly to the building regulations and town planning laws. You must ensure that your final design aligns with the sustainability goals set by the United Nations Sustainable Development Goals (SDGs), particularly focusing on SDGs 7, 11, and 13. Your submission should clearly demonstrate the innovative and practical aspects of your design, showcasing your ability to create a smart, sustainable building.

Panel of Judges



Prof. Mike Adebamowo
CHIEF JUDGE



Arc. Ladi Lewis
ARCHITECTURE



Prof. Funsho Falade
STRUCTURAL
ENGINEERING



Engr. Tokunbo Adeyemi
MECHANICAL &
ELECTRICAL
ENGINEERING



Dr. Arc. David Adio Moses
CHIEF COORDINATOR

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Why Participate



Develop Expertise

Gain hands-on experience with Autodesk solutions, a leading tool in digital design.



Collaborate Globally

Work as part of a team, a critical skill for any design team. Gather a team together and work together to achieve success.

Make an Impact



Use your creativity and skills to contribute to a more sustainable future.

Program Timeline

Stage 1

- Registration opens
- **July 1: Stage 1 Briefing Webinar**
- Submission period for the design challenge essay (1 page)
- July 22: Deadline for submission.
- July 29: Announcement of the top 20 entries advancing to Stage 2

Stage 2

- **August 1: Stage 2 Briefing Webinar**
- Development period for the top 20 entries to create their design concepts
- August 16 - 31: Submission period for the design concepts
- August 31: Deadline for submission.
- September 9: Announcement of the top 10 design concepts advancing to Stage 3

Stage 3

- **September 12: Stage 3 Briefing Webinar**
- Development period for the top 10 entries to finalize their designs
- September 29: Submission deadline for the final designs
- October 7: Announcement of the top 3 finalists

Final Stage:

- **October 23, 2024**
- Presentation by finalists at the conference

Useful Information

- 3-months international online design challenge for students
- Learn about Autodesk solutions and key work flows
- Compete against other student teams in the competition
- Learn and compete as a team (2-3 students on each team)

Rules

- You must be a student at a polytechnic, college of technology or university.
- You must enter as a team – the minimum team size is 2 people, the maximum is 3 people. You can only be part of one team
- **All participants must use Autodesk software for their projects. Submissions using other software will not be accepted.**