COSTECH

THE COSTECH ANNUAL
SMARTCITY
CONFERENCE 2025

Resilient Infrastructure and Evolving Cities
Abuja

SMART INFRASTRUCTURE HACKATHON

Theme:

Solving Infrastructure Problems in Nigeria

Host: Costech Computers Ltd.
Event: Smart-City Conference 2025

National Engineering Centre, Nigeria Society of Engineers,
Central Area, Behind National Mosque, FCT Abuja

PROGRAM OVERVIEW

As part of the 2025 Smart City Conference, Costech Computers Ltd proposes an embedded innovation sprint—Smart Infrastructure Hackathon—to harness the creativity and technical skills of Nigerian youths, developers, engineers, and entrepreneurs toward building practical, technology-driven solutions to Nigeria's most pressing infrastructure challenges.

From poor road networks to energy deficits, housing backlogs, traffic congestion, water wastage, and smart mobility, this Hackathon aims to inspire and incubate scalable solutions with real impact.

HACKATHON FOCUS AREAS

Smart Roads & Transportation

Traffic flow optimization, road condition mapping, smart parking

Urban Housing & Waste Management

Digital systems for housing allocation, recyclable tracking, water leak detection

Infrastructure Monitoring

Bridge/road sensors, construction progress monitoring, IoT for fault detection

Flood Control & Urban Drainage

Flood early-warning systems, smart drainage sensors, mapping vulnerable zones

COMPETITION TIMELINE

1ST AUG. Launch and Registration

- Official launch of the hackathon
- Registration opens for participants
- Teams can start forming and brainstorming ideas

10th AUG. Video Pitch Submission Deadline

Teams submit a 4-minute video pitch explaining and demonstrating their app/solution:

- Specific smart city problem it solves
- How it solves the problem
- Technology stack used
- Next steps towards full-scale deployment

14th AUG. Shortlisting of Final Teams

- Review of submitted video pitches
- Selection of top 10 teams for the semi-finals on September 3

15th AUG. - 2nd SEPT. Development and Preparation

- Shortlisted 10 teams work on refining their projects and preparing for the semi-finals

3rd SEPT. Semi-Finals

- Top 10 teams present their projects to the judges & audiences
- Viewers choice award
- Selection of the top 3 teams for the final presentation on September 4

4th SEPT. Final Presentations and Awards

- Top 3 teams present their final projects to the judges and audience
- Explanation of shortlisting criteria by Judges
- Announcement of the First, Second, and Third place winners and award ceremony
- Presentation of awards by Sponsors
- Appreciation of judges

Participation Requirements

- You must enter as a team – the minimum team size is **2-3 people.**
- Each team member needs to submit a unique email address when registering to ensure that we can provide all participants with relevant information and updates.
- Each team must have at least 2 of the following, A geographer, Civil engineer, Architect, Programmer, Urban planner, someone in the IOT field, CAD/CAM user.

Judging Criteria

- Impact & Relevance to Nigerian infrastructure problems
- Innovation & Originality
- Scalability
- Technical Feasibility
- Presentation & Demo Quality

Prizes & Incentives

- **1st Place - ₦ 1,000,000**
- **2nd Place - ₦ 750,000**
- **3rd Place - ₦ 500,000**

Who can participate?

- University teams (Engineering, Tech, Design)
- Early-stage startups
- Freelance developers, Civil Engineers, Architects, Geographers, etc.
- Innovators interested in civic tech or urban planning

Why Attend?

(Even without participating)

- Live demonstrations with real-world examples
- Interactive Q&A sessions
- Flexible scheduling across time zones
- Practical skills you can implement immediately

Project Submission Guidelines

To submit your project for judging, please follow these steps:

1. Record a screen recording of your project.
2. Save the recording to a Google Drive or YouTube channel.
3. Email the link to: smartcity@costechcomputers.com.ng

This will enable our judges to review your project.

Join us at the forefront of transforming Nigeria's cities through innovation! The Smart Infrastructure Hackathon is not just a competition—it's a launchpad for ideas that can redefine public infrastructure across Nigeria.

Let's rethink the way we build, manage, and sustain our urban future.

Register here:

https://bit.ly/CDesignathon25

SMARTCITY HACKATHON TERMS AND CONDITIONS

Competition Terms and Conditions

Eligibility

- You must enter as a team – the minimum team size is 2-3 people.
- Each team member needs to submit a unique email address when registering to ensure that we can provide all participants with relevant information and updates
- Each team must have at least 2 of the following, A geographer, Civil engineer, Architect, Programmer, Urban planner, someone in the IOT field, CAD/CAM user.

Originality and Intellectual property

- Submitted projects must be the original work of the participants Or at least references to the progenitor must be made.
- Any form of plagiarism or infringement of intellectual property rights will result in disqualification.
- By entering, participants grant Costech computers ltd a nonexclusive license to use, reproduce, and display their projects and designs for promotional purposes.

Judging Criteria

- Designs will be evaluated based on three criteria categories. See the judging criteria document for a detailed overview.
- Any form of cheating, disruption, or Decisions by the appointed jury are final and cannot be appealed.

Awards and Recognition

- The top 3 teams will receive cash prizes, or gift certificates in the equivalent value.
- All registered participants will receive a Certificate of Participation, which will be sent to the email address entered on the registration form.
- The organizers may opt to award additional recognition for noteworthy submissions.
- The winners of these awards will need to confirm acceptance within a set time period.
- The winners are expected to be announced immediately, if not, the date of announcement would be made known.

Participation and Conduct

- Participants are expected to conduct themselves professionally and respectfully.

  Unreasonable behaviour will result in disqualification.
- Costech reserves the right to modify the terms and conditions or cancel the competition at any stage.

Privacy and Data Protection:

- Personal information collected during registration will be used for the administration of the competition.

EVENT SCHEDULE

DAY 1 AGENDA

9:00 AM (WAT)	**Registration and Tea time** Arrival of guests, accreditation and networking.	1 hour
10.00 AM (WAT)	**Opening remarks and Goodwill messages** The opening remarks and some goodwill messages will be delivered by distinguished guests and the Hackathon sponsors. Introduction of VIP'S.	1 hour
11.00 AM (WAT)	**Rule reading and introductions** The judges will be introduced and the rules of the Hackathon will be read briefly.	10 mins
11.10 AM (WAT)	**Hackathon Event** The hackathon will commence and end within the specified timeframe	1 hour, 10 mins
12.20 AM (WAT)	**Closing remarks of the event** The Hackathon session is concluded and a vote from the audience on the audience award for best hackathon pitch.	10 mins
12.45 AM (WAT)	**Lunch break**	15 mins
1:00 PM (WAT)	**Workshop session** The first workshop session of the conference commences and participants are encouraged to join any workshop of their choice during the session with their laptops for a hands on experience	2 hours, 45 mins
3:45 PM (WAT)	**Closing Remarks** The first day of the smartcity workshop comes to a successful close	15 mins

EVENT SCHEDULE

DAY 2 AGENDA

9:00 AM (WAT)	Arrival of participants for next day Arrival of guests and continued networking	30 mins
9.30 AM (WAT)	Opening remarks and Goodwill messages The opening remarks and some more goodwill messages will be delivered by distinguished guests and the Hackathon sponsors. Introduction of VIP'S	30 mins
10.00 AM (WAT)	Workshop session 1 The participants are engaged for the workshop session.	2 hours, 30 mins
12.30 AM (WAT)	Lunch break	30 mins
1.00 PM (WAT)	Workshop session 2 The final workshop session is organized after which the participants gather once more in the main hall.	2 hours
3.00 PM (WAT)	Audience hackathon Award The winner of the best Hackathon pitch by the audience is awarded	10 mins
3:10 PM (WAT)	Call up of the best three The three best hackathon pitches by the judges are called up and given more time to elaborate on their ideas.	20 mins
3:30 PM (WAT)	Award of prizes The winners are awarded	15 mins
3:45 PM (WAT)	Vote of thanks The first day of the smartcity workshop comes to a successful close	10 mins
3:55 PM (WAT)	Closing The second day of the smartcity workshop comes to a successful close	5 mins

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Official Sponsors:

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