**1️⃣ Project Title & Team Name**

**Title:** ResilientCity – Disaster-Resilient Urban Seed Vaults  
**Team Name:** ResilientCity

**Description:**  
The project focuses on designing urban vaults and shelter networks to increase cities' resilience against disasters. With seed storage and emergency kits, the aim is to ensure that communities are prepared for emergencies while maintaining continuity of life.

**2️⃣ Problem Definition / Background**

**Description:**  
Today, cities are becoming increasingly vulnerable to climate change, earthquakes, and other natural or human-made disasters. Existing infrastructure may be insufficient to ensure community safety during emergencies. Additionally, long-term disasters pose serious risks to food security and continuity of life. Therefore, designing disaster-resilient systems in urban areas is of vital importance.

**3️⃣ Project Objective**

**Description:**  
The goal of the ResilientCity project is to design and implement disaster-resilient vaults and shelter networks in urban areas. These vaults contain both emergency supplies, such as food and medical kits, and seed storage to sustain life in the long term. The aim is to ensure communities are prepared for disasters and maintain continuity of life.

**4️⃣ Proposed Solution**

**Description:**  
The ResilientCity project proposes a two-tier system to increase urban resilience against disasters:

1. **Community-Based Small Vaults:**
   * Located near local gendarmerie stations, military bases, hospitals, or schools in districts or neighborhoods.
   * Contain emergency kits, food, and medical supplies for use during earthquakes or other natural disasters.
   * Small size ensures low cost and quick accessibility
2. **Large and Critical Vaults:**
   * Placed in critical locations globally and in scenarios requiring long-term disaster preparedness, including space.
   * Contain seed storage and materials to support long-term survival.
   * Existing structures (hospitals, military bases, schools, etc.) are reinforced to provide protection against nuclear threats or severe radiation.

This solution provides rapid response in emergencies while ensuring community survival during long-term disasters.

**5️⃣ Approach**

1. **3D Modeling and Design:**
   * Vaults and shelters will be visualized with simple yet functional 3D models.
   * These visuals will help present the project clearly and effectively to the jury.
2. **Data Usage:**
   * Reliable data on climate change, earthquake risk, and radiation will guide the design and placement of the vaults.
   * Detailed analysis is not required; only the rationale for each feature based on the data will be explained.
3. **Storytelling:**
   * Short stories and scenarios will be used to effectively convey the project's importance and operation to the jury and community.

**6️⃣ Expected Impact**

**Description:**  
When implemented, the ResilientCity project is expected to have the following impacts:

* **Community Safety:** Small and large vaults increase the chances of survival during disasters.
* **Continuity of Life:** Seed storage and long-term supplies support food security and life continuity after disasters.
* **Disaster Preparedness and Resilience:** Reinforcing existing structures makes cities more resilient, and communities better prepared for emergencies.
* **Cost-Effectiveness and Feasibility:** Small vaults and emergency kits provide an affordable, effective, and practical solution.

**7️⃣ Visuals / 3D Models**

**Description:**

* Vaults and shelters in the project are visualized with simple 3D models or diagrams.
* The visuals illustrate the placement, size, and emergency kits of the vaults.
* The goal is to present the project quickly and clearly to the jury.
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