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## Technology & Innovation in Disaster Response

1. How can we improve the uses of drones during natural disaster events?
2. How can we use satellite imagery to locate missing people during floods?
3. How do we use Natural Disaster Response techniques to design a realistic Zombie Video game?
4. How can IT systems and applications help families find family members and stay safe during a natural disaster?
5. How can AI be used to predict, detect and prevent natural disasters and aid in evacuation planning

## Engineering & STEM Application

1. How can STEM be used to engineer better defense systems against disasters?
2. How can students use engineering to create cost-effective disaster solutions?
3. How can solar trailers be optimized for disaster recovery?
4. How can communities use green energy to support recovery efforts?

## Healthcare & Emergency Services

1. How can hospitals prepare for mass casualty events during disasters?
2. How can mobile clinics provide healthcare in rural areas post-disaster?
3. How can mental health support be improved for disaster survivors?
4. How can blood donation systems be optimized for emergencies?
5. How can pediatric hospitals respond to sudden surges in patients?
6. How can healthcare systems better support disabled individuals during evacuations?
7. How can local entities (business, individuals) prepare for and support the community in a disaster?
8. How can medications be provided for displaced persons after a disaster?
9. What are ways to streamline/improve mass casualty/disaster responses within a hospital?
10. How can we model Cholera outbreaks after disaster events through DNA screening for bacteria in water?

## 🔥 Climate & Environmental Resilience 🔥

1. How can communities prevent wildfires using low-cost technology?
2. How can we mitigate the effects of climate-related disasters like heatwaves?
3. How can we reduce flooding levels in high-rainfall areas?
4. How can we prepare for droughts using budget-friendly solutions?
5. When disaster strikes, how can we support the well being of ecosystems (endangered species, keystone species, vital resources/agriculture) and its impact on society?

## 🌐 Global Coordination & Policy 🌐

1. How can governments aid other countries during disasters?
2. How can international organizations coordinate disaster response?
3. How can we learn from other countries' disaster management strategies?
4. How can we reduce the long-term impact of hurricanes on housing?

## 📡 Communication & Alert Systems 📡

1. How can communities improve disaster alert systems in rural areas?
2. How do response groups coordinate plans and maintain/sustain effective communication in a natural disaster?

## 🧠 Social Impact & Equity 🧠

1. How can marginalized communities receive better support during disasters?
2. How can low-income communities improve their disaster preparedness using affordable and accessible technology funded by the government?
3. How can rural communities in Georgia receive high-quality health care through telemedicine or mobile clinics following a natural disaster?
4. How can healthcare systems and community organizations better support mental health recovery after natural disasters, particularly in under-resourced areas?
5. How can we design effective disaster preparedness and response solutions for animal shelters like Furkids Atlanta, ensuring the safety of animals and staff during emergencies?
6. How can we reunite animals lost during disasters with their owners?
7. What transportation options can be developed for members of a community that do not have access to reliable methods of evacuation either before or after disasters?
8. What community-sponsored initiatives can we create that improve the material conditions of vulnerable communities facing natural disasters?
9. How can we end bias in disaster mitigation and recovery policies? / How can we remove gender bias that leads to unequal preparedness?

### Education, Awareness & Community Engagement

1. How can schools educate students about disaster preparedness?
2. How can communities be trained to use local resources during emergencies?
3. How can we create engaging websites to educate about disaster response?
4. How can volunteers be better supported and recruited for disaster relief?
5. How can communities better prepare emotionally for sudden disasters?

### Food, Water & Resource Distribution

1. How can communities ensure access to clean water during disasters?
2. How can food be distributed to isolated communities during emergencies?
3. How can baby formula and essential supplies be sourced during crises?
4. How can community gardens support food security during disasters?
5. How can nonprofits deliver sanitary food considering dietary restrictions?

### Infrastructure & Engineering Solutions

1. How can buildings be designed to withstand earthquakes affordably?
2. How can communities reinforce homes against hurricanes and floods?
3. How can schools be better shelters during tornadoes and earthquakes?
4. How can cities rebuild after hurricanes while limiting spending?
5. How can communities prepare water sources to survive hurricanes?
6. What natural processes can be implemented to mitigate dangers from natural disasters?