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Technology & Innovation in Disaster Response

1. How can drones be used to locate and assist flood victims safely?
2. How can AI improve disaster detection and evacuation planning?
3. How can autonomous drones aid in rescue operations?
4. How can mobile apps help communities report safety status during disasters?
5. How can IT systems reconnect families after disasters?
6. How can students develop and pilot drone technology for global disaster relief?
7. How can AI be used to predict and prevent wildfires?
8. How can we use satellite imagery to locate missing people during floods?

Communication & Alert Systems

1. How can communities improve disaster alert systems in rural areas?
2. How can emergency services communicate without internet or cell service?
3. How can we use walkie-talkies or alternative tech for disaster communication?

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?

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?

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?

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?

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?

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?

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?