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**Natural Disasters Intensity Analysis and Classification using Artificial Intelligence**

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**Problem Solution Fit**

**1.Customer Segment:**

Customers are regarded to be the general public who are affected by natural disasters.

**2.Jobs-to-ve-done/problem:**

Loss of utilities including electricity and water , as well as structural damage to structures . Cleaning up after the mess and managing the trash . Road closures and communication breakdowns are examples of infrastructure - related issues

**3.Triggers:**

Overpopulation , pollution , the burning of fossil fuels and deforestation developments like those have caused climate change , soil erosion , poor air quality and undrinkable water are just a few of the ways that humans have an impact on the physical environment .

**4. EMOTIONS : BEFORE / AFTER:**

After a natural disaster occurs , people can have a variety of thoughts and actions , including sentiments of fear , wrath , sadness , worry , and frustration . variations in energy , activity , and hunger . Having trouble focusing , making decisions , and having nightmares

**5. AVAILABLE SOLUTIONS:**

Infrastructure Investment in risk reduction Reforestation Technology Education Issues and disease Stable buildings Economic support

**6. CUSTOMER CONSTRAINTS:**

Mitigation strategies include the adoption of zoning , land use policies , and building rules are required . Awareness , Education , Preparedness , Predictions and Warning Systems can lessen the disruptive effects of a natural catastrophe on communities . However , in order to stop or lessen actual harm from dangers

**7. BEHAVIOR:**

During a natural disaster , if you have not been told to evacuate , remain in a safe area or seek shelter . When local officials issue vital or build new infrastructure , listen to your portable radio . Utilize a generator with caution if the electricity goes out .

**8. CHANNELS of BEHAVIOR:**

Using the web application to get notifications and integrating it with a live stream of a harsh environment 8.2 OFFLINE Considering the environment , letting more people know about the advantages of the web app and taking safety precautions

**9. PROBLEM ROOT CAUSE:**

All case studies identified a lack of resources and capacities ( financial , human , and technical ) as well as a lack of knowledge and education as the main root causes of several drivers of disaster risks .

**10. YOUR SOLUTION:**

Replenishing forests preventing land degradation and stabilizing soil , for instance , as the trees and roots shield it from being washed or blown away . Making a house robust and airtight is essential , and using prediction and warning systems as well as raising public awareness and educating people can help communities avoid being negatively affected by natural disasters .