

## Project Design Phase-I

### Proposed Solution

Date	19 SEPTEMBER 2022
Team ID	PNT2022TMID10433
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	2 Marks

### Proposed Solution:

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>In some areas there is a lack of proper practical disaster education and lack of knowledge of Disaster Risk Reduction (DDR).</p> <p>Lack of co-ordination between local disaster management authority and development authority</p> <p>There is no adequate education in some districts. No flood risk reduction plan and Strategy. "No framework for flood management. "Great loss of resources during monsoon flood.</p>
2.	Idea / Solution description	<p>Not all natural disasters can be prevented. Each natural disaster has its own factors and complications. Understanding the basic principles of ecology can provide keys to lessening their effects. Nature evolved with natural disasters and disturbance. The</p>

		best prevention is looking at strategies found in nature.
3.	Novelty / Uniqueness	<p>A disaster occurs when an extreme event exceeds a community's ability to cope with that event.</p> <p>Understanding the process by which natural disasters produce community impacts is important for four reasons. First, information from this process is needed to identify the preimpact conditions that make communities vulnerable to disaster impacts. Second, information about the disaster impact process can be used to identify specific segments of each community that will be affected disproportionately (e.g., low-income households, ethnic minorities, or specific types of businesses). Third, information about the disaster impact process can be used to identify the event-specific conditions that determine the level of disaster impact. Fourth, an understanding of disaster impact process allows planners to identify suitable emergency management interventions.</p>
4.	Social Impact / Customer Satisfaction	<p>Even when you know in advance that there will be a natural disaster, you may still not be adequately prepared to handle the aftermath. And that's especially true for small businesses with limited resources. Let's look at some ways natural disasters affect</p>

		<p>customer experience and what can be done to mitigate its effects at least.</p> <p>A natural disaster can displace your customer service agents temporarily or even permanently if it destroys their homes. If they strictly work on-site, then any services they can render stops completely. As a business owner, it is beneficial to assess the situation objectively to decide the right step(s) to take. If you don't, your customers will suffer and it will result in a terrible customer experience.</p>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• Risk identity</li> <li>• Develop a plan</li> <li>• Implement &amp; train</li> <li>• Be a leader in community</li> </ul>
6.	Scalability of the Solution	<p>Disaster recovery (DR) is a key tool for ensuring business continuity in the face of data or server environment loss. With an effective DR solution in place, businesses can <b>quickly recover from many different emergencies</b>, from user errors that delete mission-critical information and applications, to ransomware attacks that corrupt entire databases.</p> <p>One crucial element that many businesses may overlook in their DR solution is scalability.</p>