Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID40634
Project Name	Project - Natural Disaster Intensity analysis and Classification using Artificial Intelligence
Maximum Marks	4 Marks

Solution Architecture:

• Climate change is increasing the frequency, intensity and magnitude of disasters, leading to a higher number of deaths, injuries and increased economic losses.

● Nature-based solutions, such as conserving forests, wetlands and coral reefs, can help communities prepare for, cope with, and recover from disasters, including slow-onset events such as drought.

● Nature can be a cost-effective and no-regret solution to reducing risks from disasters, complementing conventional engineering measures such as seawalls and storm channels.

● However, investment in ‘natural infrastructure’ is underexplored in policies aimed at reducing risk.

● There is an urgent need to invest in nature-based solutions to disaster risk reduction in order to minimise our vulnerability to future events.

● Climate change is increasing the frequency, intensity and magnitude of disasters, leading to a higher number of deaths and injuries, as well as increased property and economic losses. In the past 20 years, 90% of major disasters have been caused by weather-related events such as heatwaves, storms, floods and droughts.

Solution Architecture Diagram: