Problem statement

To tackle the problem of detecting natural disaster, we developed a multilayered deep convolutional neural network model that classifies the natural disaster and tells the intensity of natural disaster.

Who does the problem affect?	Natural disasters not only disturb the human ecological system but also destroy the properties and critical infrastructures of human societies and even lead to permanent change in the ecosystem.
What is the cause for disaster?	Disaster can be caused by naturally occurring events such as earthquakes, cyclones, floods, and wildfires.
What is the critical impact?	Since most of the disaster are naturally occurring, if cannot be avoided. The caution of the natural disaster will be more which can be reduced by some precautionary measures.
What is the role of Artificial Intelligence?	The role of artificial intelligence in such disasters is required and important for analysing the situations and to come out with solutions for being prepared to face disasters.
What are the challenges for artificial intelligence?	The challenges for artificial intelligence are cost, saving life, environment protection and false data.
What is the issue?	Many deep learning techniques have been applied by various researchers to detect and classify natural disasters to overcome losses in ecosystems, but detection of natural disasters still faces issues due to the complex and imbalanced structures of images