**Project Title:** **Natural Disasters Intensity Analysis and Classification**

**using Artificial Intelligence Project Design Phase-I**  **Team ID:** PNT2022TMID43250

This section defines the overall method for natural disaster intensity analysis and classification based on multispectral images using a multilayered deep convolutional neural network. Moreover, this method consists of two blocks of a convolutional neural network.

The first block detects a natural disaster occurring and the second one defines the intensity type of the natural disaster. Additionally, the first block consists of three miniconvolutional blocks with four layers each, including an image input and fully connected layers.

On the other hand, the second block also consists of three miniconvolutional blocks with two layers each and includes an image input layer and fully connected layer. The overall flow of methodology is shown in Figure 1 and explained below.

An external file that holds a picture, illustration, etc.
Object name is sensors-21-02648-g001.jpg

