**NATURAL DISASTERS INTENSITY ANALYSIS AND CLASSIFICATION USING ARTIFICIAL INTELLIGENCE**

**DATA FLOW DIAGRAM**

A data-flow diagram is a visual representation of how data moves through a system or a process (usually an information system). The DFD additionally gives details about each entity's inputs and outputs as well as the process itself. A data-flow diagram lacks control flow, loops, and decision-making processes. Using a flowchart, certain operations depending on the data may be depicted.

**LEVEL 0**

Trained Data

Stored on Database

**LEVEL 1**

Footage

Pre-processing

Noise Filtering

Feature Extraction

Extract Shape, Colour



**LEVEL 3**

Extracted Data

Matched with pre-trained data using BPNN

Performance Evaluation