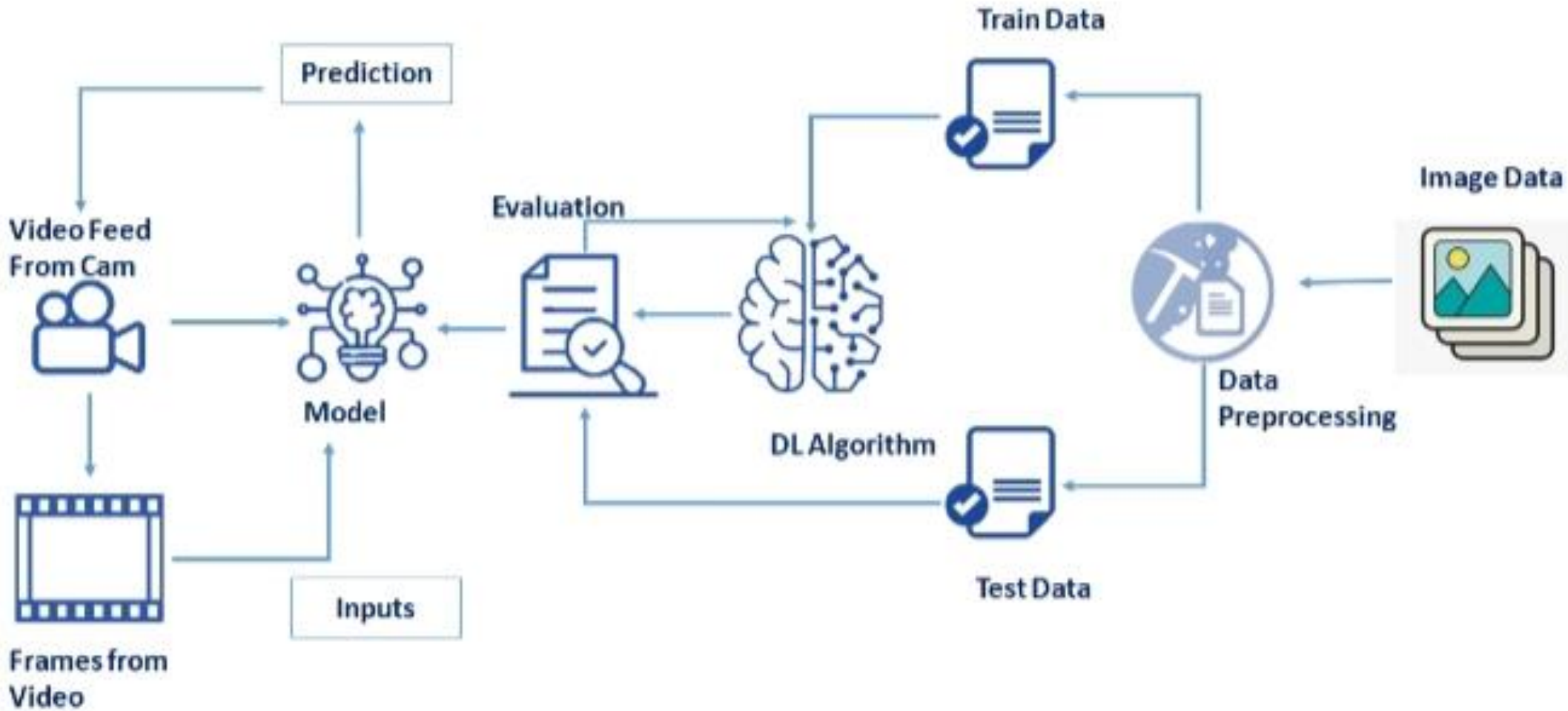
Natural Disaster are inevitable and the occurence of disaster drastically affects the economy,ecosystem and human life.

As the technologies are continuously improving aviation systems have begun adopting smart technologies to develop unmanned aerial vechicles (UAVs) equipped with camers,which can reach distant area to identify after effects of natural disasters on human life,infrastructure and transmission lines by capturing images and videos.

Data acquired from these UAVs help to identify the facial expressions of victims ,the intensity of their situation and their needs in a post scenario


Train Data
Prediction
Image Data
Evaluation
Video Feed
From Cam
Model
DL Algorithm
Data
Preprocessing
Test Data
Inputs
Frames from
Video

To address these probplems , we proposed a ,multiplayered deep convolutional neural network for detection and intensity classification of natural disasters.

The proposed method works to detect of natural disaster occurrence and to remove imbalanced class issue