Project Design Phase-I
Solution Architecture

Date	10/08/2022
Team ID	PNT2022TMID13948
Project Name	NATURAL DISASTER INTENSITY ANALYSIS AND CLASSIFICATION USING ARTIFICIAL INTELLIGENCE
Maximum Marks	4 Marks

Solution Architecture:

- Aerial imagery captured via unmanned aerial vehicles (UAVs) is playing an increasingly important role in disaster response.
- The hybrid solution we present can be applied to both aerial and satellite imagery and has applications beyond disaster response such as wildlife protection, human rights, and archeological exploration.
- These human-annotated features can then be used to train a supervised machine learning system to learn to recognize such features in new unseen images.
- The results suggest that the platform we have developed to combine crowdsourcing and machine learning to make sense of large volumes of aerial images can be used for disaster response.

Solution Architecture Diagram: