**Project Design Phase-I**

**Solution Architecture**

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| **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:**

