**PROJECT DESIGN PHASE- 1**

**SOLUTION ARCHITECTURE**

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| Date | 6th October 2022 |
| Team ID | PNT2022TMID38277 |
| Project name | Natural disaster intensity analysis and classification using artificial intelligence |
| Maximum marks | 4 marks |

**Solution Architecture:**

Solution architecture is a complex process with many sub-processes that bridges the gap between business problems and technology solutions. Its goals are to

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Solution Architecture diagram:**

Image data

Test data

Data preprocessor

Train data

DL Algorithm (CNN)

Video feed from camera

Frames from videos

Evaluation

Model building

false input

true