**Project Design Phase-I**

**Solution Architecture**

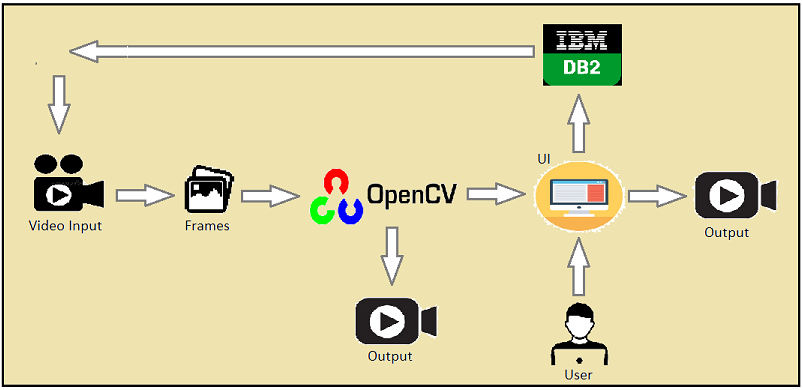
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| --- | --- |
| Date | 5 May 2023 |
| Team ID | NM2023TMID11884 |
| Project Name | Al Enabled Car Parking Using Open CV |
| Maximum Marks | 4 Marks |

**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.

**Architecture Diagram:**

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Camera System

Backend Processing

| Sy

User Interface

Parking Space Allocation

| Algorithm

Object Detection

| Algori

Image Processing Algorithm