**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| Date | 27 June 2035 |
| Team ID | LTVIP2025TMID32546 |
| Project Name | Smart Sorting: Transfer Learning For Identifying Rotten Fruits and Vegetables |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1

**Example: Order processing during pandemics for offline mode**

**Reference:** [**https://developer.ibm.com/patterns/ai-powered-backend-system-for-order-processing-during-pandemics/**](https://developer.ibm.com/patterns/ai-powered-backend-system-for-order-processing-during-pandemics/)

Guidelines:

Include all the processes (As an application logic / Technology Block)

Provie infrastructural demarcation (Local / Cloud)

Indicate external interfaces (third party API’s etc.)

Indicate Data Storage components / services

Indicate interface to machine learning models (if applicable)

**Table-1 : Components & Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
|  | User Interface | User will interact with web UI | HTML, CSS, Bootstrap |
|  | Machine Learning model | Developing a transfer learning model | Tensorflow, Keras,VGG16 |
|  | Application | Application deployment on local system | Python,Flask |