**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID32546 |
| Project Name | Smart Sorting: Transfer Learning For Identifying Rotten Fruits and Vegetables |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Entry | Open the webpage and upload image of fruits or vegetables. |
| FR-2 | Prediction using deep learning | Backend flask uses pre trained VGG16 to classify the input as fresh or rotten |
| FR-3 | Display result | System will returns the classification label |
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**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** |  |
| NFR-2 | **Security** |  |
| NFR-3 | **Reliability** |  |
| NFR-4 | **Performance** |  |
| NFR-5 | **Availability** |  |
| NFR-6 | **Scalability** |  |