**Project Design Phase**

**Proposed Solution Template**

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| Date | 29 June 2025 |
| Team ID | LTVIP2025TMID43371 |
| Project Name | Transfer learning-based classification of poultry diseases for enhanced health management |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Poultry farmers struggle to identify diseases early due to limited access to veterinary services, leading to high mortality and financial loss. |
|  | Idea / Solution description | An AI-based mobile or web app that allows poultry farmers to detect diseases from chicken images, providing instant results and guidance for early treatment. |
|  | Novelty / Uniqueness | Uses AI to instantly detect poultry diseases from images without needing expert input, making disease diagnosis accessible, fast, and affordable for rural farmers. |
|  | Social Impact / Customer Satisfaction | Improves animal health and farmer income by reducing disease-related losses. Empowers rural communities with accessible, tech-driven veterinary support, leading to higher trust and satisfaction. |
|  | Business Model (Revenue Model) | Freemium model with basic disease detection free; premium features like detailed reports, veterinary consultation, and offline access available via subscription or one-time payment |
|  | Scalability of the Solution | The solution can be easily scaled to other regions, animal types, and languages by retraining the AI model and updating the interface, allowing widespread adoption across diverse farming communities. |