**Problem-Solution Fit**

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| **Date** | **23 June 2025** |
| **Team ID** | **LTVIP2025TMID43223** |
| **Project Name** | **Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management** |
| **Maximum Marks** | **2 Marks** |

The sources demonstrate the problem-solution fit through various practical scenarios:

* **In rural communities**, the mobile application addresses the lack of immediate veterinary services by quickly classifying poultry diseases such as **Coccidiosis** and providing treatment recommendations. This enables farmers to take swift, informed action to reduce disease spread and minimize economic losses.
* **For commercial poultry farms**, the system offers early detection of diseases like **New Castle Disease**, allowing farm management to rapidly quarantine affected birds and implement control measures, preventing widespread outbreaks, reducing financial losses, and maintaining overall farm productivity.
* **In veterinary education**, the application serves as a modern diagnostic tool for students, helping them learn contemporary techniques for detecting diseases such as **Salmonella**, **New Castle Disease**, and **Coccidiosis**. This prepares future veterinarians for real-world challenges in the poultry industry.