**Conclusion**

Our project, “Poultry Disease Detection Using Transfer Learning,” provides an AI-based solution to help farmers detect poultry diseases at an early stage using image classification. With the help of the VGG16 model and a simple web interface, users can upload a photo of an infected chicken and get quick predictions about the possible disease.

This tool is especially useful for rural farmers who have limited access to veterinary help. It reduces bird mortality, saves money, and helps in better poultry health management. The system is fast, easy to use, and scalable for future improvements. While the current model shows good performance, we aim to improve accuracy further by using more diverse datasets and advanced models.

In summary, this project is a step toward smarter agriculture using AI — helping farmers stay informed and take faster action to protect their poultry.