

ABSTRACT

The DIGIVET (Digital Veterinarian) application is designed to manage and maintain animals at the Cipanas Presidential Palace, including horses, geese, and birds, with the aim of improving the efficiency of health monitoring and animal care. By adopting Continuous Integration (CI) and Continuous Deployment (CD) methodologies, DIGIVET accelerates the process of integrating, testing, and deploying code to production automatically, reducing the risk of human error and increasing success. Research shows CI/CD improves release efficiency and system productivity, with an 80% success rate compared to 60% with traditional methods. DIGIVET's deployment process involves automated integration of code, unit testing, builds, and deployment to staging and production with extensive monitoring, making deployment faster, more efficient, and reliable, and detecting more bugs at an earlier stage. The implementation of CI/CD on DIGIVET is proven to improve the success and efficiency of animal management at Cipanas Presidential Palace.