

Development of smart epidemic prevention action management system for pig farms ⁽¹⁾

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Abstract

In this research, LRI cooperated with the “Pig Farm e-catch” system, established by the COA, to develop the “Pig Farm smart epidemic prevention action management system” in a cross-platform approach, between the web version and the APP version. The system can be set up with multiple users as the administrators. In accordance with the epidemic prevention plan, the necessary epidemic prevention measures are reminded to provide pig farmers with more convenient and efficient management measures, which will help them achieve the goal of preventing epidemics without loopholes. The system can adjust the epidemic prevention plan and the management of medical materials according to the built-in epidemic prevention plan or the feedback data from the counselor and the pig farmers. This will automatically generate preset vaccine information and the epidemic prevention plan schedule set up from the backend to achieve user friendliness. The user reminder interface meets the process and requirements of on-site management, promoting the professionalization of epidemic prevention management in pig farms, and introducing corporate business models to achieve the comprehensive effect of improvement on production efficiency.

Key words: Pig farm, Epidemic prevention, Mobile management system.

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