

Agriculture × Digital: Passing on the Professional Techniques of Seasoned Farmers to the Next Generation!

Saga Prefecture



Situation (background, aims, etc.)

In Saga Prefecture, as declining birth rates and an ageing population lead to a shrinking farming population, there are growing concerns over the potential decline of farming areas and increased instability in agricultural supply due to the loss of techniques developed by seasoned farmers over the years.

In order to improve productivity and expand production areas, we created a learning system that digitises the professional techniques of one of the largest cucumber growers in Japan, thereby allowing those techniques to be passed on to the next generation.

Details (project outline, etc.)

- (1) Development of a learning system
 - Identification and analysis of professional techniques
 - Collection of professional technique-related data
 - Development of the learning system utilising the collected data
 - (2) System evaluation and verification
 - Verification of the system's learning effects on agricultural trainees
 - (3) Utilisation of the learning system in Saga's agricultural production areas
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Results (features and innovations, future developments, etc.)

New farmers who have acquired professional techniques through the learning system have achieved some of the top yields in the prefecture shortly after starting farming, which has in turn motivated an increasing number of trainees to take up cucumber farming. This has contributed to a significant expansion of cucumber production areas.

Going forward, we will use the system to promote a cycle throughout Saga Prefecture, whereby young farmers can engage in highly productive and profitable agriculture by efficiently acquiring professional techniques, and the next generation will see their success and aspire to join the agricultural sector themselves.
