Patent Search

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Abstract:

Quick development of populace, reducing characteristic assets, environmental change, contracting rural grounds, and unbalanced business sectors are making the w food frameworks rather unreliable. In this manner, current farming and food frameworks ought to be more gainful regarding yield, effective in activity, tough to envir change, and maintainable for the people in the future. Therefore, the need of an innovative change is more prominent than any time in recent memory. Being a new computer sciences, artificial intelligence (AI) has the ability to address the difficulties of this new worldview. Subsequently, understanding the significance and relevan farming and food area could be essential in the excursion towards accomplishing worldwide food security. The major goal of this study is to create artificial intelligenc methodology for assessing and optimizing food quality and safety initiatives in the food sector. AI innovations are being applied worldwide in every one of the four m food security despite the fact that it has been one of the more slow received advancements contrasted with the rest. On the other hand, it warrants investigating the and their present effect on the food frameworks. It is prominent that AI innovation has a critical task to carry out later on the cultivation area.

Complete Specification

Description:DESCRIPTION OF THE INVENTION

To approve this study conducted numerous experimental trials before proposing the following architecture. While similar experiments have been conducted in prev studies, the resulting test accuracy was unacceptable. Therefore, there was a need to design a new architecture and techniques to improve the results and get accu results. Figure 2 and 3 shows simple view of the proposed architecture for the proposed Al and ML methods for better quality food detection.

The proposed Al and ML structure which consists of four layers, including two convolutional layers for feature extraction, with convolution window sizes of Artificial Intelligence in food quality detection.

The approach outlined in this paper to evaluate the appearance quality and differentiate the grade of the specification can result in a highly accurate rate, which mu a beneficial impact on peanut production and industry growth. Table III shows the results of the neural network judging method on grains of different specifications table, 100 (97+2A+1P) signifies that there are 100 grains in this grade, 97 of which are the same as the number obtained by hand, +2A represents two worm-eaten g classified as D, and +1H represents one normal seed labelled as P. The study analyses the image processing approach used in assessing the quality of peanut kernel several amplitudes of the output designs are created using national standard data.

Modern applications of artificial intelligence in the food sector include achieving significant reductions in the downtime, reducing consumer friction at the point of s

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Ministry of Commerce & Industry,
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View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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