LITERATURE SURVEY

S.NO	TITLE	AUTHOR	YEAR	ABOUT
1	CLASSIFICATION OF FRUITS USING DEEP LEARNING ALGORITHMS	Juan M. Pounce et al	2022	Classification of variety of fruits is an important framework in agriculture field for import and export. Many algorithms were employed for classification of fruits. To remove the noises from the images Gaussian filter is applied during the pre-processing. Bunch of fruits are classified into different classes such as apple, orange and banana. Also their quality is taken into account for preventing health hazards. In this work, the various combinations of fruits are classified into proper variety and after that the quality of the fruit is checked as whether it is defect or non-defect.
2	FRUIT CLASSIFICATION QUALITY USING CONVOLUTIONAL NEURAL NETWORK AND AUGMENTED REALITY	AZANI CEMPAKA SARI	2021	This research is to classify fruit using augmented Reality, which is combined with the conventional neural network. The CNN algorithm is good enough to classify fruit images into seven categories with an error of 10%. This shows that CNN, which is one of the deep learning algorithms, can be applied in agriculture. This application only needs to use a smart phone in the following way: scanned into real fruit, then this application will issue fruit quality information and three-dimensional images to compare fruit quality.
3	FRUIT RECOGNITION FROM IMAGES USING DEEP LEARNING	HOREA MURESAN, MIHAI OLTEAN	2018	In this paper we introduce a new, high-quality, dataset of images containing fruits. We also present the results of some numerical experiment for training a neural network to detect fruits. We discuss the reason why we chose to use fruits in this project by proposing a few applications that could use such classifier.
4	FRUITS CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORK	FORHAD ALI	2020	In recent years, computer machine vision and image processing techniques have been found increasingly useful in the fruit industry, especially for applications in quality inspection and color, size, shape sorting. Researches in this area indicate the feasibility of using machine vision systems to improve product quality while freeing people from the traditional hand sorting of fruits.
5	A DEEP LEARNING-BASED MODEL FOR DATE FRUIT CLASSIFICATION	KHALIED ALBARRAK	2022	This research work proposes a new model for date fruit classification that is based upon deep learning and CNN. The proposed model is trained and validated based on an in-house dataset created containing eight different types of date fruits, which are commonly found in Saudi Arabia.

SUBMITTED BY

KATHIRESAN V

KRISHNAKUMAR D

RAMJI P

RAMMOHAN R