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(57) Abstract :
The proposed invention discloses a weighing apparatus (100) for identifying an item on a weighing platform (104), also detecting quality of the identified item. The weighing apparatus (100) includes an image capturing unit to acquire an image of the item placed on the weighing platform (104). The acquired image is processed by a learning engine (110) to identify the received item, wherein the image recognition is performed based on one or more features of the item. Also, by analysing one or more features such as shape, colour, and size, quality of the item such as cereals is detected. Further, weight of the item received on the weighing platform (104) is received from a weight sensor (112), and corresponding price of the identified item is displayed on a display device (114).

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