

Labycare-Rice Analyzer Smartphone Based (SKSS-RLE2015)



Rice Analyzer Smartphone Based Manufacturer by LABYCARE

Description :

The Smart Rice Analyser is an innovative mobile application designed to assess the quality of rice grains using a tent-based setup and your smartphone camera. With cutting-edge image processing and an intuitive user interface, this app allows farmers, traders, millers, and researchers to count, measure, and analyse rice grains in real time.

User Interface: The app will have a user-friendly interface that is easy to use and navigate.

Availability: The app will be available for download on different app stores and will be accessible to users around the globe.

Rice Counting: The app will provide a feature to count the number of grains in a given area. The user can take a photo of the area or select an existing photo from

their device.

Rice Size Measurement: The app will provide a feature to measure the size of individual grains. The user can use the app as a Vernier calliper to measure the grain's length, width, and thickness.

Image Processing: The app will use image processing algorithms to analyse the number of grains and their sizes.

Quality Report: The app will generate a report of the grain count and sizes based on the image analysis. The report will include information on the number of grains and their sizes with broken %.

Specifications :

Material	Lightweight, durable acrylic sheet with light-diffusing inner lining.
Dimensions	Approx. 50cm x 50cm x 50cm (foldable/collapsible)
Lighting	Built-in LED light strips (uniform 5000K daylight temperature)
Power Supply	USB adaptor or power bank compatible
Surface	White non-reflective platform for contrast
Portability	Foldable design with carry bag (weight under 1kg)

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