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(54) Title of the invention : AUGMENTED REALITY BASED PERSONALIZED SMART DIET ASSISTANCE SYSTEM

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(57) Abstract :

ABSTRACT: Title: Augmented Reality based personalized smart diet assistance system The present disclosure proposes an augmented reality based personalized smart diet assistance system that provides diet recommendations, appropriate time, type, quantity and method of consumption of a food item diet based on user health parameters. The augmented reality based system 100 comprises a user data input module 101, an image processing module 102, a food consumption assistance module 103, a transmissible disease information retrieval module 104, and a diet planning module 105. The system incorporates an AI based camera to scan a food item before or after cooking and utilizes augmented reality to indicate the nutritional information. The proposed system provides personalized diet recommendations to the user based on personal data such as height, weight, existing medical conditions and thereof of a user. The system retrieves existing transmissible diseases data from world health organizations and data from news articles about any viral infections or diseases to suggest immunity boosting foods to the user to thereby safeguard the user against such diseases or infections.

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