

(54) Title of the invention : MICROCONTROLLER BASED MOBILE CONTROLLED SMART B(BOIL)-S(SLICE)-C(CRUSH)-M(MIX) QUADRA COMBO JAR FOR PREPARING HOMEMADE FRUIT BASED DELICIOUS FIRNI-KHEER DESSERT.

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(57) Abstract :

Mixed fruit based firni-kheer is so popular and no thought • delicious dessert for us. At home, the usual convention is never a one step processing of firni-kheer, it requires multiple tasks at multiple steps draining our efforts as well as time and conventional energy source. Our goal is to provide you a one step single go solution to enjoy your firni-kheer relaxing back at your home. A single machine with multiple proposed solution that helps you to it™s best to prepare your firni-kheer, is what we aim to propose. A multi-functional Bluetooth voice controlled mobile app based portable machine enclosed with three DISC-Distinct-Interconnected-Smart-Chambers that, starting from boiling your raw milk upto it™s boiling point parallely with continuous auto stirring using SHSMT-Smart-Heat-Stir-Monitoring-Technique and to slicing the manually peeled fruits added into it in proper desired sizes and crushing or grinding soaked rice, sugar, some dry fruits like cashew nuts and almonds and that to in all distinct chambers and later on mixing them using its two vertically suspending arms clamped on the inner surface of the bottom container™s lid that has already been used for previous stirring, properly in the final stage in a central container inside it. Different stage of activities at different time can be controlled by our proposed apps also. Finally your perfectly blended and mixed delicious firni is made ready at home!! And the most beautiful part of the machine is its functionality is a combination of both automatic operations (Milk boiling upto a certain boiling point) and manual voice input (Required for milk boiling as per user demand, slicing fruits, crushing and grinding dry fruits, soaked rice and sugar with final mixing in different stages at different time using SPSASL-Servo-Powered-Suspending-Arms-Fitted-Smart-lid technique throughout executing the whole process) via our proposed mobile app. The entire manual operations will be performed via smart phones using bluetooth HC05. A mobile application will be taking care of all the user™s interaction with the machine seamlessly.

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