**AUTOMATIC FRUIT JUICE VENDING MACHINE**

**ABSTRACT**

This Project present to the automatic lemon juice vending machine. In summer with temperature soaring during the day, most of our energy gets lost simply due to dehydration. Not only does our body need ample water, but it also needs salt and sugar. This system is based on atmega family microcontroller. The controller controls the pumps and stirrer motor. In Future Additionally we will add these machines are designed to automatically extract juice from various fruits, such as orange apples and dispense the freshly squeezed juice to customers and demand.

**COMPONENTS**

* Atmega Microcontroller
* Buzzer
* Pipes
* Dc motor
* Pump motor
* LCD display
* IC
* Push Buttons

**Diagram**

User interface

Selection and payment

pasteurization

filtration

**Program used**

**+--------------------------------------+**

**| User Interface |**

**+--------------------------------------+**

**|**

**v**

**+--------------------------------------+**

**| Payment System |**

**+--------------------------------------+**

**|**

**v**

**+--------------------------------------+**

**| Fruit Selection System |**

**+--------------------------------------+**

**|**

**v**

**+--------------------------------------+**

**| Dispensing System |**

**+--------------------------------------+**