**IEEE SRS FOR COFFEE VENDING MACHINE**

**1. INTRODUCTION**

A beverage vending machine is a system which dispenses beverages such as tea, coffee, milk and black tea. In India most of such systems are available in multi-national companies, and restaurants. These machines don’t have the money collection or the changing making unit within the system

We are considering three stakeholders for coffee vending machine: User, System and Administrator

**2.Functional Requirements :**

**1.User Level Requirements :**

•The user shall get empty cup placed right below the filter.

•The user shall be able to choose his preferred beverage from the list of options(buttons).

•There must be buttons (start,pause,stop,coffee,tea,milk) for user to interact with the system.

•The user shall be able to purchase one kind of available drink at a time and get back the exact changes if he has put extra money.

•The user shall be able to quit the dispense of any beverage at any time during the dispensing.

**2.System Level Requirements**:

•The system(machine) shall check for properly inserted coins.

•The system shall be able to dispense coffee(or selected beverage) after a coin has been inserted.

•The system shall be able to detect the low amount of ingredients and low number of cups and indicate with an indicator(small LED).

**3. Non-functional requirements are:**

* Performance – for example Response Time, Throughput, Utilization, Static Volumetric.
* Scalability.
* Capacity.
* Availability.
* Reliability.
* Recoverability.
* Maintainability.
* Serviceability