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Version Number:

Team Members :

Team No:

Module: Model Based System Engineering

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| **Ver.Rel. No.** | **Release Date** | **Prepared. By** | **Reviewed By** | **Approved By** | **Remarks/Revision Details** |
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**Document History**

AUTOMATIC Cold-Drink Vending Machine.

Block Diagram:

Power supply

LCD Display

Keypad

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Coin Sorter

USB Modem

Microcontroller

Coin Collecting channel

# 

Cold drink dispensing channel

**Requirements:** Input:

* To insert coins of different denomination like rs 1 rs 2 rs 5 rs 10 etc
* To enter user commands

Purpose:

* To sell the cold drinks to the users from the available choices from which the users can purchase cold drink of their choice automatically.
* Payment is accepted by inserting coins of various denominations.

Output:

* To Distribute the Cold drinks and return the balance amount through coins.
* To display the menu available on LCD , to display welcome and thank you messages , to display date and time on the LCD