**DESIGN OF ELECTRONIC VOTING MACHINE SYSTEM BASED ON ARM LPC2148**

**PROJECT DESCRIPTION**:

Now a day’s Electronic voting machine become an effective tool for voting. It ensures flawless voting and thus has become widespread. It ensures people about their vote being secured. It avoids any kind of malpractice and invalid votes. Also such kind of system become more economical as expenditure incurred on manpower is saved. It is more convenient to the voter, as he has to just press key which ever belongs to candidates.

The electronic voting machine consists of four main blocks;

1. Arm 7 LPC-2148 Microcontroller.

2. LCD display unit.

3. Keypad.

4. Controller switch (interrupt).

**OPERATION:**

The microcontroller sense the signal from keypad switch and decides the corresponding column 1 for the respective candidates to vote it increments the data for corresponding key. Whenever an interrupt key is pressed, only one candidate able to polling the vote at a time after that once again pressed it will be deactivated, where the pressing key is indicated by buzzer sound. When column 2 is pressed that displayed total number of votes for the corresponding candidates name list and also displayed the successive candidate name with the help of the LCD display.