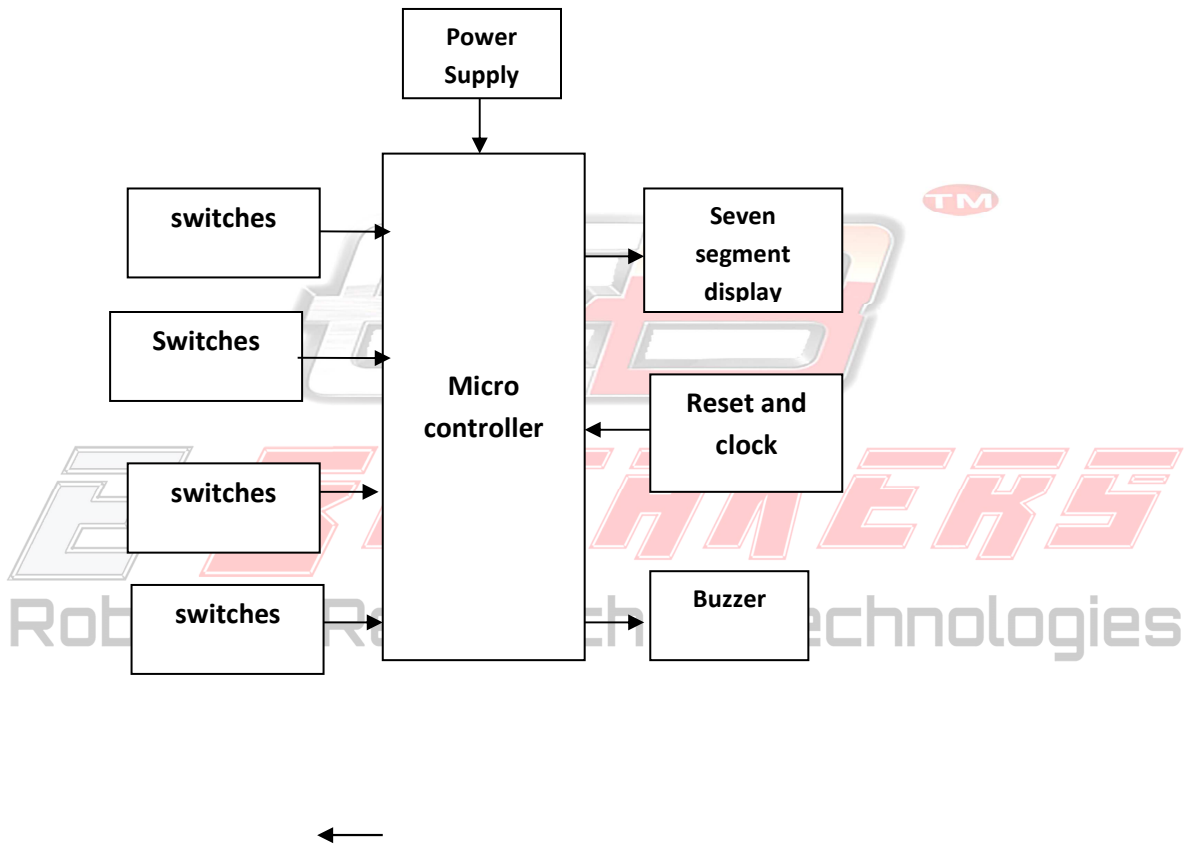


AUTOMATIC QUIZ BUZZER CONTROL USING 8051 MICROCONTROLLER

Description:

Quiz buzzers are used often at places like educational institutions where it is required for game shows. Conventional systems require human intervention to decide which team has pressed the button and this system can be erroneous and even biased. Another problem arises when two members pressed the button at a negligible interval and it is difficult to guess who has pressed the buzzer first. Here we designed an automatic quiz buzzer system such that when more than one team presses the buzzer, the delay is accurately taken into account and number is displayed. We build the circuit using a microcontroller which scans the input from push buttons and displays the corresponding number on a display device. It is a simple circuit with minimum number of components and sans any complexities. The microcontroller takes into account the time delay between two buttons and the accurate number is displayed. Even though this system is only for 8 teams, more teams can be added by using another set of 8 push buttons.

Block diagram:



Hardware requirements:

1. Micro Controller
2. switches
3. buzzer
4. Seven segment display

Software requirements:

1. Keil software
2. Embedded c

