**PRE SCHEDULED COLLEGE BELL SYSTEM THROUGH PC**

**AIM:**

 The main aim of this project is to design Pre-Scheduled Modern College Bell System

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**PURPOSE:**

The purpose of the project is to control college bell based on the time.

**BLOCK DIAGRAM:**

**LCD DISPLAY**

**POWER SUPPLY**

**RTC**

**MICRO**

**CONTROLLER**

**(AT89S52)**

**BUZZER**

**PC**

**Power Supply:**

**Filter**

**Circuit**

**Bridge**

**Rectifier**

**Regulator section**

 **Step Down**

**Transformer**

**DESCRIPTION:**

Now a day's every system is automated in order to face new challenges. In the present days Automated systems have less manual operations, flexibility, reliability and accurate. Due to this demand every field prefers automated control systems. Especially in the field of electronics automated systems are giving good performance. Some times the term automation means with less intervention of human.

Most probably in our schools and colleges we will be seeing ringing bells. The bell will be rang according to the time schedule of the colleges but they are made to ring by manually. So, keeping the bell to ring manually is time consuming process and extra usage of man power is required.

The main disadvantage here is we cannot maintain punctuality. This is becoming a big problem in the examinations. But we can make all these things favor to us by making it automated. Here is a application that makes a college or a school bell to rang according to the time schedule of that colleges. In this project we are designing an automated college bell system with the help of microcontroller.

In this project the college administration have to enter the college timings once and then the remaining work will be carried out by the microcontroller.

**HARDWARE COMPONENTS:**

* Microcontroller(AT89S52)
* Power supply
* RTC
* PC
* LCD
* buzzer

**SOFTWARE TOOLS:**

* Keil Uvision
* Embedded C
* Express PCB
* ISP

**RESULT:**

According to this project we can implement a scheduled time for ringing the bell in modern college.