

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM-590 018**



**A project report on
“REMOTE CONTROLLED REAL TIME CLOCK WITH DEVICE
CONTROLLER”**

Submitted in partial fulfillment of the requirements for the award of the degree of

**Bachelor of Engineering
In
Telecommunication Engineering**

Submitted By

**Amrutha
(4GW07TE003)**

**Deena N L
(4GW07TE011)**

**Chaitra B K
(4GW07TE052)**

**Revathi N
(4GW07TE033)**

Under the Internal Guidance of

Miss Smruthi R. K.

**Lecturer, of TE Dept,
GSSSIETW, Mysore-16**

Under the External Guidance of

Mr. Ramesh B.

**Rangsons Electronics Pvt. Lmt.
Mysore-17**



**DEPARTMENT OF TELECOMMUNICATION ENGINEERING
GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN
Mysore - 570016**

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ABSTRACT

Real-time clock ICs operate as the clock in various devices. This clock function operates even when the power is turned off. This project makes use of a TV remote control. Using RC5 coding, a real-time clock chip is set to control three different alarm settings. These settings can also be used to switch on an external device. Up to three devices can be controlled with this project. The circuit is based on Philips (P89V51RD2BN) microcontroller and Maxim's DS1307 real-time clock chip. An LCD module allows for user interface. The microcontroller contains a non-volatile 64KB Flash program memory that is both parallel programmable and serial In-System and In-Application Programmable.