

Microcontroller-Based Prayer Clock

By:

Abdulaziz Nasser Al-Humaid Akram Saleh Al-Akki

Supervised by:

Dr. Salah M. Rahal

Rabi'1 - 1423 H; Jun - 2002 G

Abstract

This project is aimed to design and realize a prayer clock, permitting to define and display, in comprehensive and comfortable way, the Time, Date and Prayer times (Fajr, Dhuhr, Asr, Maghrib, Isha) beside the Shorouq time of the current day.

The device is assembled around a microcontroller and the software is written in C Language. Its main advantages: good flexibility, high reliability and low cost

The project is made with a fruitful cooperation with Advanced Electronic Company and it can be, insha Allah, a good candidate for a mass production.