SMART CARD BASED ATTENDANCE SYSTEM

ABSTRACT

In general, a smart card is an integrated circuit card with memory capable of making decisions. A smart card, chip card or integrated circuit card (ICC), is defined as any pocket-sized card with embedded integrated circuits which can process information. In this project, we are using a contact smart card where the information inside the card is communicated with the card reader by inserting card into the card reader. The card reader in this project used is an SR-90 SDK of 1KB memory size.

The smart card module is interfaced with the micro controller and when the card is inserted into the reader, it reads the data in the card. If the data in the card is matched with the data stored in the program memory, then it displays authorized message, if the data is not matched it displays unauthorized as per the code logic. It will transfer attendance status to PC. We can see attendance status in PC.

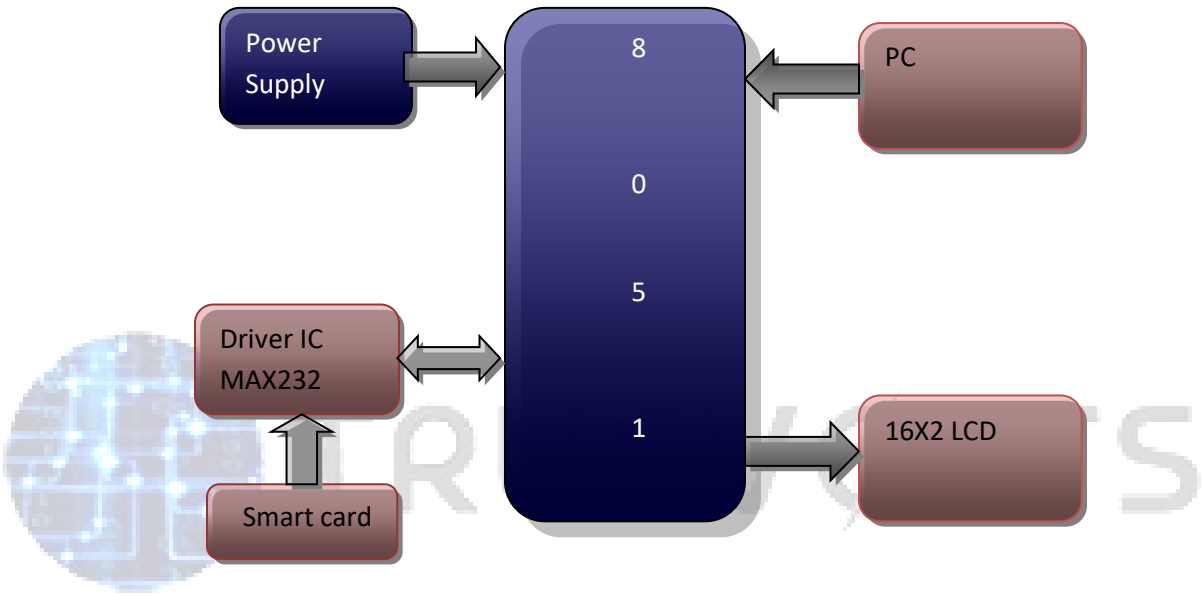
This project uses regulated 5V, 500mA power supply. Unregulated 12V DC is used for relay. 7805 three terminal voltage regulator is used for voltage regulation. Full wave bridge rectifier is used to rectify the ac output of secondary of 230/12V step down transformer.

APPLICATIONS:

- Transport applications

BLOCK DIAGRAM:

TRNSMITTER SECTION:



POWER SUPPLY BLOCK DIAGRAM