Information Technological Institute

Door Locker Using AVR

Team (3) : AVR Interfacing Course Project

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Problem Statement:

Exploiting Atmega32 Microcontroller to control a door locker represented by Servo motor, Achieving security in this locker the user must enter his password to unlock the door. On the opposite side, the admin can switch to Angle Controller Mode which makes the admin able to enter the desired servo angle and it will be applied in a few seconds. Displaying The two modes on LCD.

Objective:

Appling Control Servo Angle under conditions and optimizing transmitted data pins from controller using the communication protocol.

Components:

1) Atmega32.
2) 16x2 LCD.
3) Servo Motor.
4) USB TTL Module.
5) 4x4 Keypad .
6) Jumper Wires.