SMART HOME

LET'S WRITE THE FUTURE....!!!!!

SUBMITTED BY

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INTRODUCTION

• Smart Home is collaboration of technology and services through a network for better quality living. A smart home allows the entire home to be automated and therefore provide ease and convenience to everyday activities in the home. This technology is used to make all electronic devices to act 'smart'. Soon almost all the electronic devices will take advantage of this technology through home networks and the internet. Many people think this technology as pure networking.



INTRODUCTION

 Others think this technology will reduce their workload, but smart home technology is combination of both and much more. Smart home technology is currently being implemented for entire house in particularly kitchen and living room. Basically, smart home facilitates users with security, comfortable living and energy management features as well as added benefits for disabled individuals.











PROJECT DESCRIPTION:

Our Project Works When username and password is correct.

After that the door of the house opens.

The illumination is varied According to the sun light during The day.

The System consists of LCD to show the Temperature and numbers of opened lids during the day.

STANDALONE CONTROL SYSTEM:

7 Segment

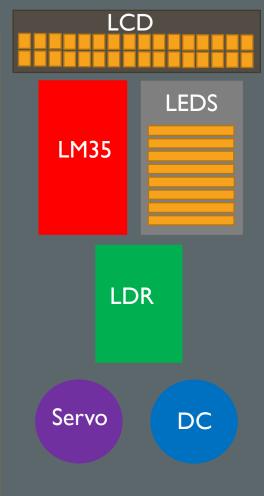
Keypad

1 2 3 / 4 5 6 * 7 8 9 -ON 0 = +

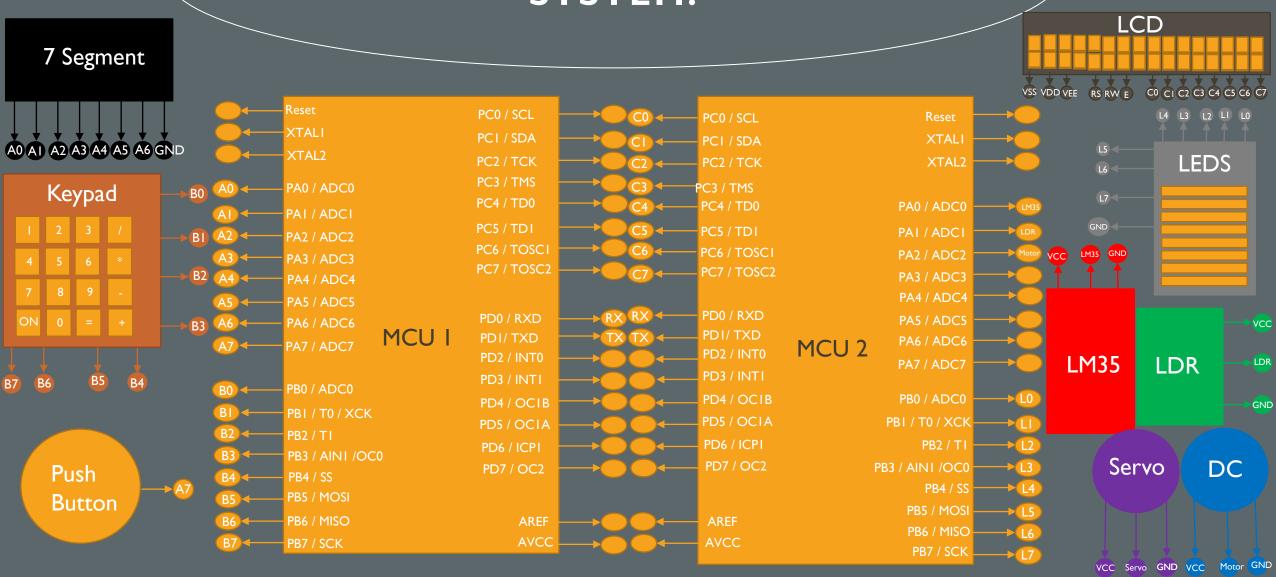
> Push Button

Reset	PC0 / SCL
XTALI	PCI / SDA
XTAL2	PC2 / TCK
PA0 / ADC0 PA1 / ADC1 PA2 / ADC2 PA3 / ADC3	PC3 / TMS PC4 / TD0 PC5 / TD1 PC6 / TOSC1 PC7 / TOSC2
PA4 / ADC4	PC//103C2
PA5 / ADC5 PA6 / ADC6 PA7 / ADC7 PB0 / ADC0	PD0 / RXD PD1 / TXD PD2 / INT0 PD3 / INT1 PD4 / OCIB
PBI / T0 / XCK	PD5 / OCIA
PB2 / T1 PB3 / AIN1 /OC0 PB4 / SS	PD6 / ICPI PD7 / OC2
PB5 / MOSI	
PB6 / MISO	AREF
PB7 / SCK	AVCC

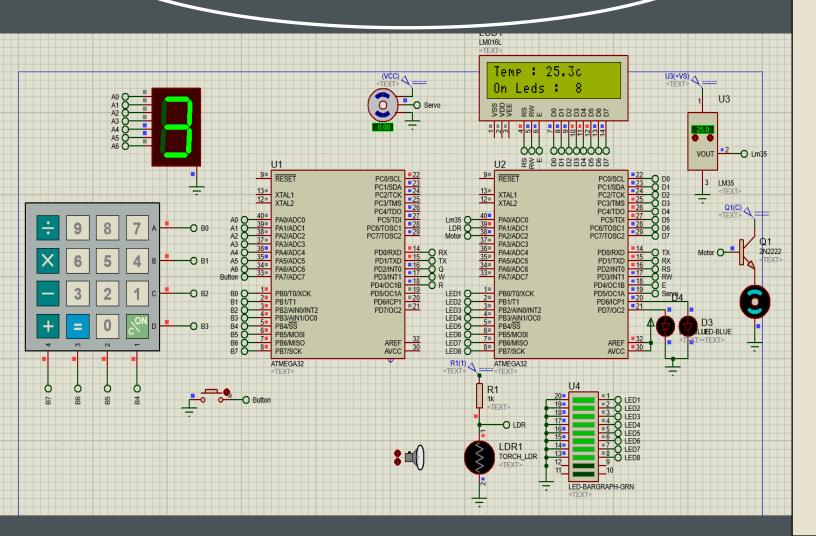
PC0 / SCL		Reset
PCI / SDA		XTALI
PC2 / TCK		XTAL2
PC3 / TMS		
PC4 / TD0		PA0 / ADC0
PC5 / TD1		PAI / ADCI
PC6 / TOSCI		PA2 / ADC2
PC7 / TOSC2		PA3 / ADC3
		PA4 / ADC4
PD0 / RXD	MCIIO	PA5 / ADC5
PDI/ TXD		PA6 / ADC6
PD2 / INT0	MCU 2	PA7 / ADC7
PD3 / INT I		PA7 / ADC/
PD4 / OCIB		PB0 / ADC0
PD5 / OCIA		PBI / T0 / XCK
PD6 / ICPI		PB2 / T1
PD7 / OC2		PB3 / AINI /OC0
		PB4 / SS
ADEE		PB5 / MOSI
AREF		PB6 / MISO
AVCC		DD7 / 00//



TARGET COMMUNICATION SYSTEM:



SIMULATION:



Devices:

- I. 2 * MCU Atmega 32
- 2. I * Keypad
- 3. I * 7-Segment
- 4. I * Pushbutton
- 5. I * LCD 16*2
- 6. I * Temperature Sensor
- 7. I * Dc Motor
- 8. 10 * LEDS
- 9. 2 * Resistors
- 10. I * LDR Sensor
- 11. I * Transistor

VIDEO:

