



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Coimbatore-35

sns
INSTITUTIONS

DEPARTMENT OF BIOMEDICAL ENGINEERING

19BMB303 & Fundamentals of Microprocessors and Microcontrollers

Unit IV MICROCONTROLLER BASED SYSTEM DESIGN

III Year/ VI Sem

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ASP / BME / SNSCT**



MICROCONTROLLER BASED SYSTEM DESIGN



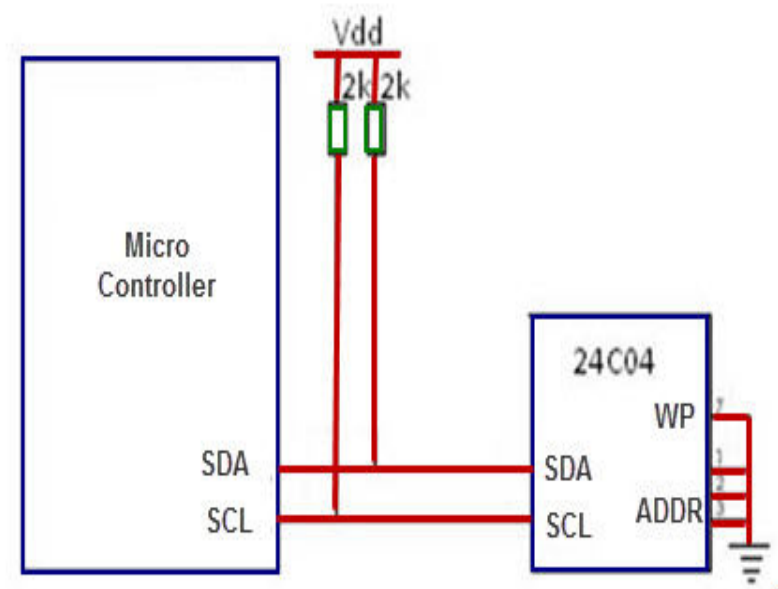
- Introduction
- Matrix display Interface
- 16x2 LCD Interface
- High power devices
- Optical motor shaft encoder
- Stepper Motor
- DC Motor speed Control using PWM
- RTC
- EEPROM interface using I2C protocol



EEPROM interface using I2C protocol

Electrically Erasable Programmable ROM (EEPROM) is a user modifiable ROM which can be removed and reprogrammed frequently through the application of higher than the normal electrical voltage.

An EEPROM is a kind of non-volatile memory used in electronic devices like computers to store small quantities of data that should be saved when power is detached.





EEPROM interface using I2C protocol

