

GSM BASED LED NOTICE BOARD

AIM:

Design and development of GSM based LED notice board.

PURPOSE:

Notice boards are very helpful in different purposes. We can use notice boards in different ways like advertisements, information display, score boards, warning indications and notifications. Existing notice boards are static type which can be configuring through cable.

DESCRIPTION:

This project includes GSM (Sim800C) module, which is connected to Arduino through UART interface. LED Display board connected to Arduino through UART Interface.

WORKING:

GSM modem Always in read mode to read incoming data from mobile. User has to send data in particular format. Authorized people only know the format. When Arduino received new data from GSM modem, it will display on LED display.

TECHNICAL SPECIFICATIONS:

HARDWARE:

Microcontroller	:	Arduino Uno
Crystal	:	16 MHz
LCD	:	16X2 LCD
GSM	:	SIM800C
Display	:	2X1/2 feet LED Display
Power Source	:	12v 2 amp Adaptor

SOFTWARE:

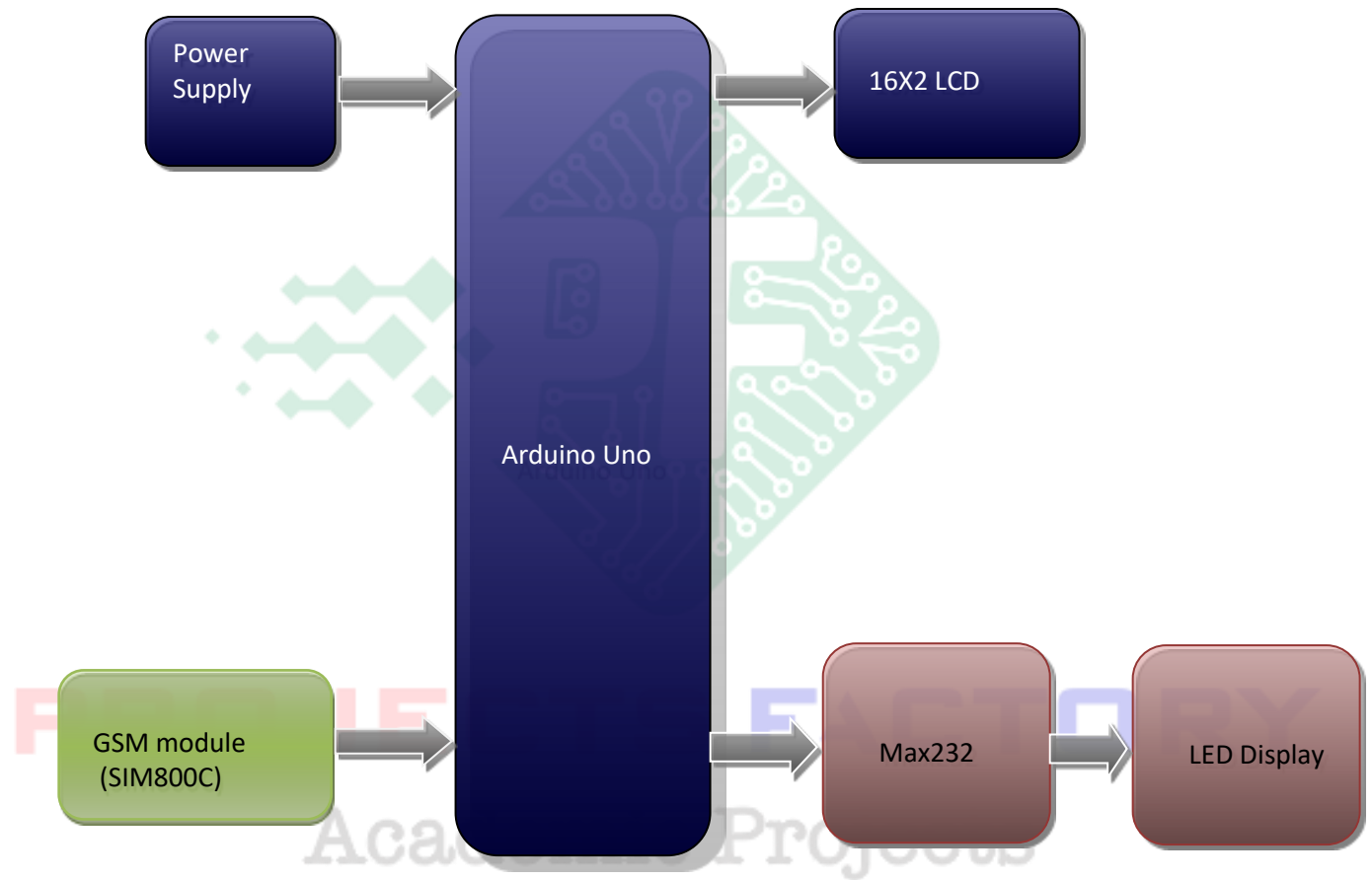
Arduino IDE
Proteus based circuit diagram

APPLICATIONS:

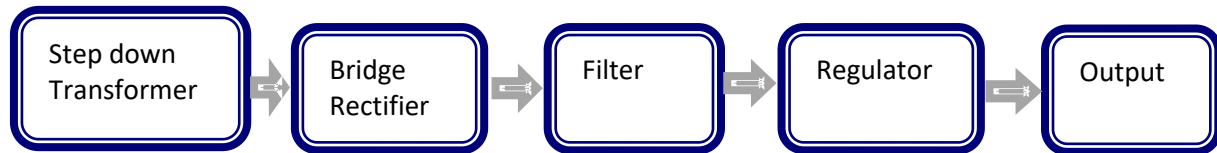
- Score boards
- Notification purpose
- Advertisements

PROJECTS FACTORY
Academic Projects

BLOCK DIAGRAM:



POWER SUPPLY BLOCKDIAGRAM:



INTERFACES COVERED:

- We have covered GSM (SIM800C) module interfacing
- LED Display board

PROJECTS FACTORY
Academic Projects