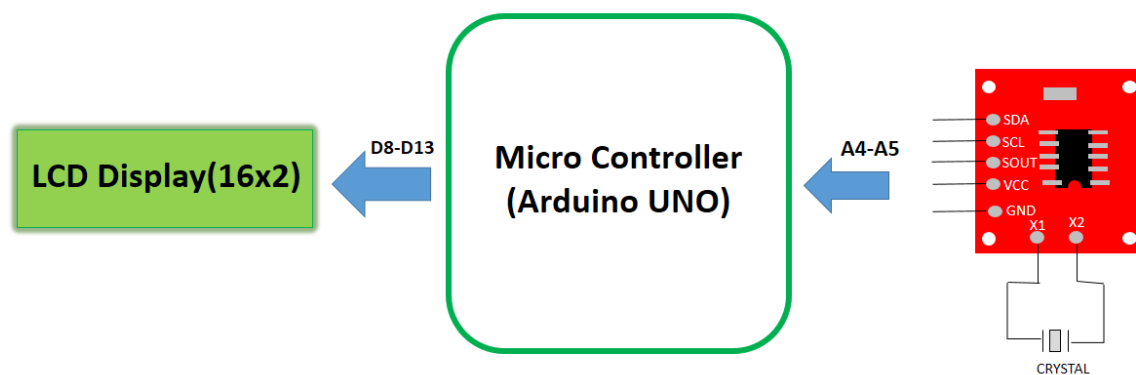


# Display Date and Time Using Real Time Clock (RTC)

## Description:

This Project is to display **Date and Time** using **Real Time Clock (RTC)** on a **LCD (16x2) display**. The RTC module is used to keep **track of the time** even when the Arduino board is **powered off**. The time data from the **RTC module** is then displayed on the **LCD display** using **I2C communication**. A library is used to simplify the code and make it easier to work with the RTC and LCD components. The **date and time** in the code can be **adjusted** before uploading it to the board to **ensure** that the **correct time is displayed**.

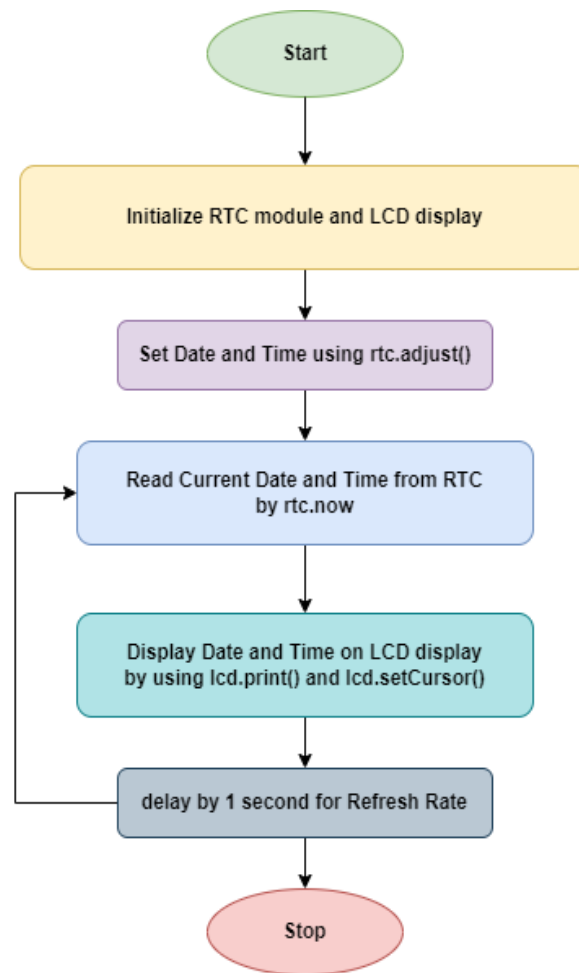
## Block Diagram:



## Inputs and Outputs:

S.No	Description	Name	Type	Data Direction	Spec	Remarks
1	Serial Data	SDA	INP	DI	5VDC	Active High
2	Serial Clock	SCL	INP	DI	5VDC	Active High
3	LCD Reset Pin	RS	OUT	DO	5VDC	Active High
4	LCD Enable Pin	E	OUT	DO	5VDC	Active High
5	LCD Data Pin 1	D4	OUT	DO	5VDC	Active High
6	LCD Data Pin 2	D5	OUT	DO	5VDC	Active High
7	LCD Data Pin 3	D6	OUT	DO	5VDC	Active High
8	LCD Data Pin 4	D7	OUT	DO	5VDC	Active High

## Flow Chart:



•• ——— The END ——— ••