Real Time Clock Calendar on LCD

Abstract:

- The **Real-Time Clock Calendar on LCD** project involves creating a system that displays current date and time information on a liquid crystal display (LCD) in real-time.
- This project leverages a microcontroller-based setup with a real-time clock (RTC) module to accurately track and present time-related data.
- The primary objective of this project is to develop a compact and user-friendly device that serves as a digital clock/calendar with an intuitive display interface.
- The system integrates a microcontroller, RTC module, LCD screen, and supporting components to achieve this functionality.
- The system operates by retrieving time and date data from the RTC module and formatting this information for display on the LCD screen. Users can interact with the system using push buttons to configure settings such as time zone, date format, and daylight saving time adjustments.