

Parts for Smart Pomodoro Timer

- Arduino Uno
- Breadboard
- Electrical Components
- PIR Motion Sensor → Detects your presence at your workspace
- Passive Buzzer → For audio alerts (session end)
- Push Button → For starting/resetting Pomodoro timer
- RGB LED or 3 LEDs → Color for focus/break/pause sessions
- DS3231 RTC Module → Real-time clock to timestamp focus sessions
- MicroSD Card Module → Writes session logs to a text file
- MicroSD Card (FAT32) → 1GB+ storage for logs
- OLED Display (SSD1306) → I2C screen to show countdown timer
- Small plastic enclosure (optional) → for protection and portability