








	Name	Duration	Start
1		Project Initialization	4 days?	10/4/24 7:00 AM
2		Define project scope and requirements	2 days?	10/4/24 7:00 AM
3		Assign roles and responsibilities	1 day?	10/8/24 7:00 AM
4		Set up project management tool and initial schedule	1 day?	10/9/24 7:00 AM
5		Research and Design	9 days?	10/11/24 8:00 AM
6		Research components and technologies (e.g., STM32, DS3231, BH1750)	3 days?	10/11/24 8:00 AM
7		Design system architecture (STM32 microcontroller-based)	3 days?	10/16/24 8:00 AM
8		Develop block diagrams for hardware and software components	5 days	10/17/24 8:00 AM
9		Hardware Setup and Testing	11 days?	10/21/24 7:00 AM
10		Set up core hardware components (STM32, sensors, Wi-Fi module)	5 days?	10/21/24 7:00 AM
11		Test individual components (light sensor, temperature sensor, RTC, LED control)	2 days?	10/26/24 8:00 AM
12		Integrate power supply and test stability	4 days?	10/30/24 7:00 AM
13		Software Development	10 days?	11/4/24 8:00 AM
14		Develop light intensity control algorithm	3 days?	11/4/24 8:00 AM
15		Implement Wi-Fi module connectivity	3 days?	11/7/24 8:00 AM
16		Create day-night auto-switching based on RTC	3 days?	11/11/24 8:00 AM
17		Set up mobile app interface with basic functions (remote control, monitoring)	2 days?	11/14/24 8:00 AM
18		System Integration	6 days?	11/16/24 8:00 AM
19		Combine hardware and software components	2 days?	11/16/24 8:00 AM
20		Integrate mobile app for real-time monitoring and control	3 days?	11/20/24 8:00 AM
21		Debug and refine system functionality	0 days?	11/23/24 8:00 AM
22		Testing and Validation	5 days?	11/23/24 8:00 AM
23		Test system under various conditions	3 days?	11/23/24 8:00 AM
24		Gather feedback and optimize settings for different modes (e.g., Reading, Movie)	2 days?	11/28/24 8:00 AM
25		Documentation and Report Preparation	5 days?	12/3/24 8:00 AM
26		Draft report (Initial, Mid-term, and Final drafts)	3 days?	12/3/24 8:00 AM
27		Review and finalize the report with feedback	1 day?	12/6/24 8:00 AM
28		Prepare for final presentation and demonstration	1 day?	12/8/24 8:00 AM

