**Project Definition:**

The Smart Home Automation System aims to solve the issue of fragmented control over smart home devices. Currently, users face difficulty in managing various devices from multiple apps. This project proposes a centralized mobile application that allows users to seamlessly control and monitor lights, thermostats, and other essential smart devices from a single interface.  
The application will provide an intuitive UI, ensure secure access, and support scalability for future integrations. The goal is to increase user convenience, reduce energy consumption, and enhance home security.