

The background of the image is a stylized illustration of a modern apartment interior. On the left, there is a kitchen area with a wooden countertop, a built-in oven, and a gas stove. Above the counter, there are shelves with various potted plants and kitchen items. To the right, large floor-to-ceiling windows offer a panoramic view of a city at sunset, with mountains visible in the distance. The sky is a mix of orange, pink, and blue. A small, glowing yellow lightbulb icon is positioned near the top right of the text. The overall atmosphere is warm and inviting.

# Introducing AutoMate

Your Top Partner For Smart Home Automation

# What is AutoMate?

AutoMate is an innovative IoT-powered system that integrates SBR (Styrene-Butadiene Rubber) tiles equipped with piezoelectric sheets. These tiles serve a dual purpose: acting as both a security system and a source of energy for the main electricity conservation network. The system also includes infrared sensors, sound sensors, and photoresistors, which work together to monitor and conserve energy. By harnessing energy from the piezoelectric tiles, AutoMate ensures that the sensors themselves operate without drawing additional power, optimizing overall energy efficiency.



# Features of AutoMate:

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- Smart home control using a phone.
- Automated routines
- Automated timers
- Voice assistant support



# Piezoelectric tiles

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- These are replaceable easy to use tiles that use Styrene-Butadiene Rubber as their base, on top of which piezoelectric tiles will be placed. There will be a layer of wood/marble for decorative purpose. This offers an effective décor that is easy to install and remove.



# Why is AutoMate better than others?

- It is more cost effective
- It is more efficient than others due to its unique double IR sensor technology