

Automated Home Heating and Energy Monitoring System

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The project proposal is to create an automated home heating system, using Raspberry Pi. Using a sense hat the system will monitor the temperature of a room in the house, activating when a minimum temperature is reached. The system will also measure the energy consumption of a light. Data will be generated, and it is hoped that the device will give an estimated heating bill based on inputted heating costs as well as measuring the energy consumption of the light.

Tools, Technologies, and Equipment

- Raspberry Pi
- Sense Hat
- Current sensor (To be confirmed)
- Python Scripts for sensor data and to estimate the cost of heating.

Project Repository

[MartinT81/Automated-Home-Heating-and-Energy-Monitoring-System \(github.com\)](https://github.com/MartinT81/Automated-Home-Heating-and-Energy-Monitoring-System)