Team 18

# Comfort Control System

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## Customer Background

Chakolas is focused on creating a neural network powered solution for a residential thermostat

#### Problem Statement

The team must create an analytical model and a physical model that a future software team can use to test and compare their neural network thermostat to existing solutions.

#### Requirements

## Analytical Model

- Completed in MATLAB & Simulink
- Simulates same box size as real life but can be scaled to full size house

### Physical Model

- 1 foot cube
- Heat and Cool
- Effectively hold temp





