

Group 12

Demo 1 Contribution Breakdown

1. Vinay Shah

- Coded Indoor Positioning System : client.c, server.c, testing.c (holds test case with description commented)
- Wrote documentation : server.c, client.c, instructions to compile.
- Indoor Positioning System Video : Short Demo Video, Full Description Video
- Helped contribute to the presentation slides and demo outline

2. Akhilesh Bondlela

- Coded and integrated an Alexa assistant for the Raspberry Pi
- Created and designed SAS Android App
- Worked on documentation for SAS app, and how the Alexa was implemented on the Raspberry Pi.
- Helped consolidate the technology(Raspberry Pi Alexa, app emulation, etc.) that was used in the demo.

3. Huy Phan

- Coded Android App for Smart Schedule System.
- Designed UI for Scheduling App.
- Designed Unit Testing for Scheduling App.
- Wrote documentation (technical documentation and user documentation).

4. Brian Ellsworth

- Created brochure
- Wrote user documentation outlining use of the Schedule application
- Created and organized presentation outline
- Wrote test cases for the Smart Schedule System

5. Bhargav Tarpara

- Wrote HVAC MainActivity plus data persistence
- Wrote the first, and second iteration of the joint application using fragment views
- Wrote outline of database model
- Wrote flask basic template

6. Nick Grieco

- Used pre-existing mathematical models and physics to write time-to-temperature algorithm
- Ran simulations on MATLAB to display algorithm
- Designed HVAC UI and functionality
- Wrote Unit testing for HVAC functions