



**Hochschule für Technik
und Wirtschaft Berlin**

University of Applied Sciences

M2 People Counter

Kevin

Anurag

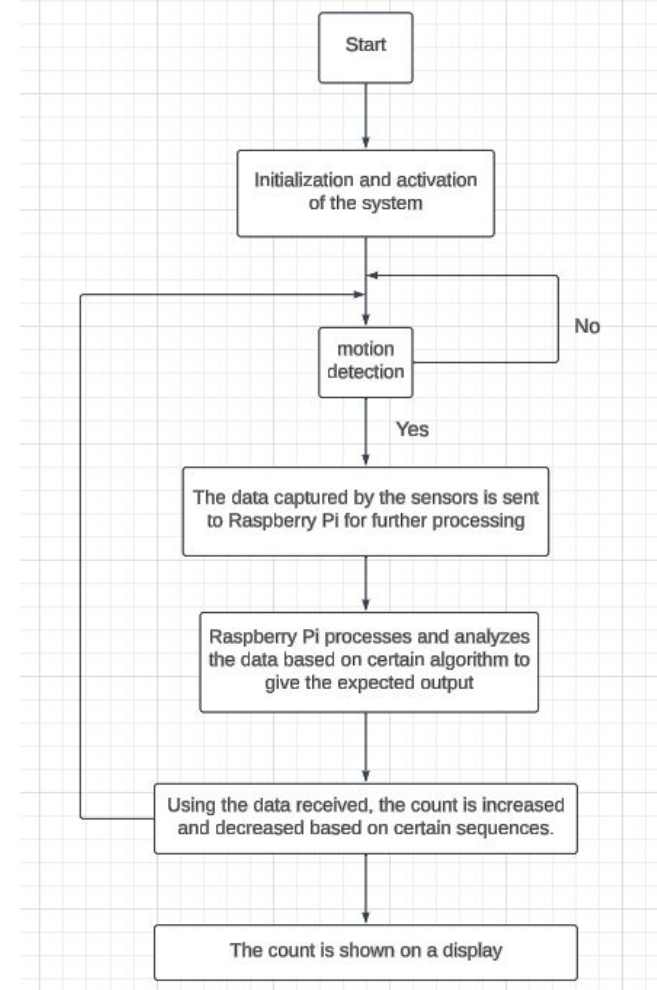
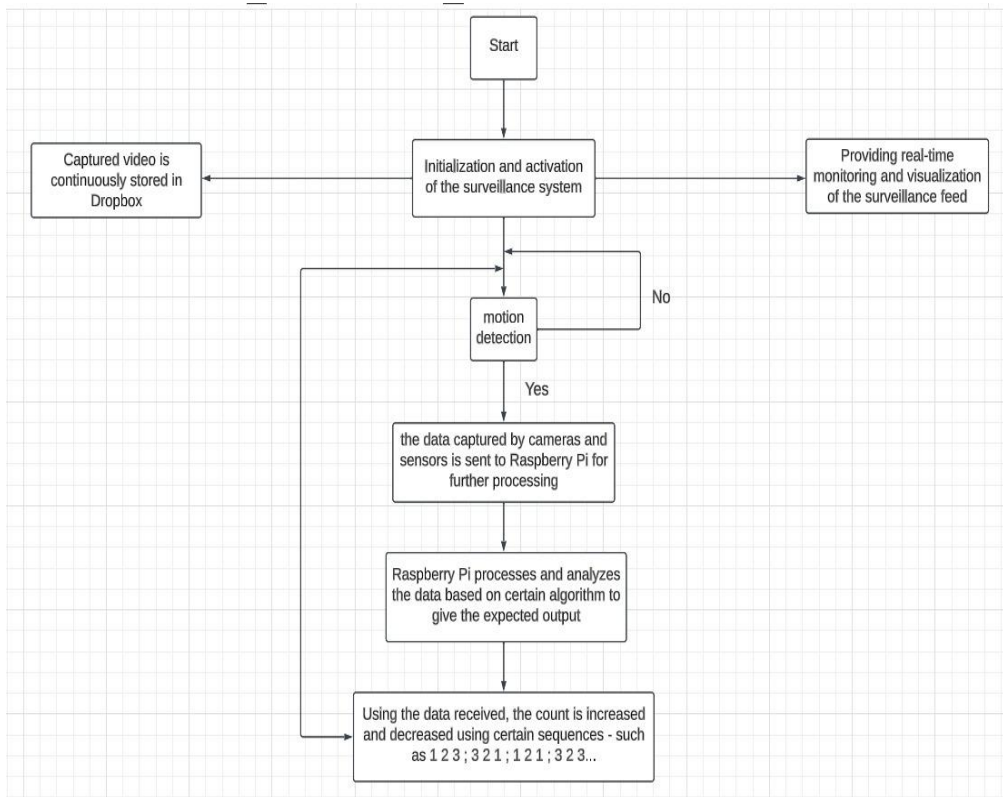
Ankit

Dheeraj

Structure

- Recap
- Software Architecture
- 3D Model
- Requirement fulfilment
- System connections
- Problems
- System Overview
- Steps to finish the Project
- Demonstration

Recap





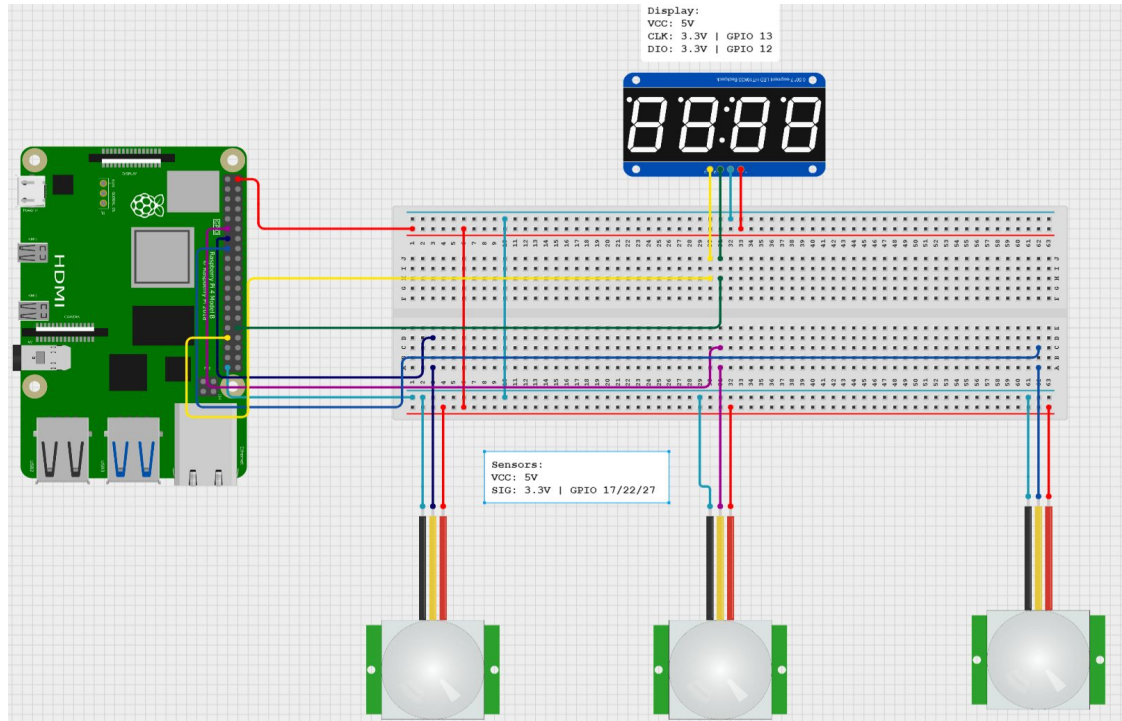
COUNT
0

Case-1

Requirement fulfillment

Requirement	Concept	Implementation	Purpose
#28 Display change Count	manipulate display	inc_display/decr_display (found in display.c)	To count the People moving between two rooms
#31 motion sensor software decide direction	track movement	TBD (problems with the 3 sensors)	To help decide if the People are moving in or out
#42 RaspBerry boot with Linux	start up routine	Will be done when powering the RaspBerry PI	Start the System
#43 Init Hardware	start up routine	will be done with a bash script so everything will be working after booting up	Start the Display/Sensors so the System can work as intended
#45 motion sensor detect movement	track movement	read_gpio	Used to determine the direction of movement
#69 display can turn on/off	manipulate display	display_on/display_off (found in display.c)	So the Display can show the Count or can be turned of when not used

System connections

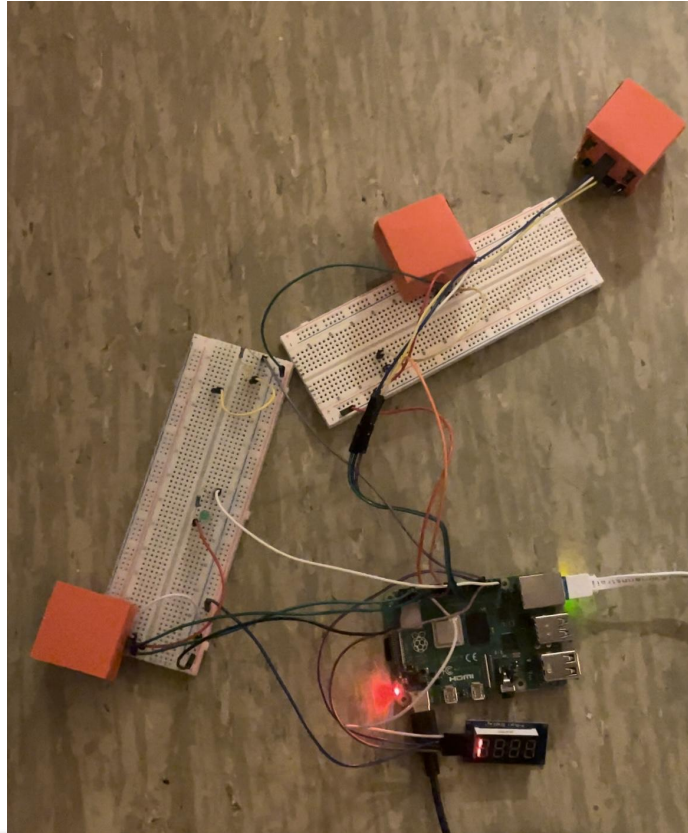


Problems

- One different sensor
- Display GPIO files (value) were somehow not correct?
- Sensor distancing



System overview



Steps to finish the Project (System)

- All Sensors need to work
- Shell Script
- Tests for the System
- Camera module implementation (optional)

Steps to finish the Project (Documentation)

- Systemmanual
- Pictures of the System
- Test documentation (System)
- Check existing documentation

Thanks for your Attention

Demonstration

