

# Touchless Systems

## Gesture based elevator control

Group-21

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# Problem

Touch-based interfaces for  
public information  
management systems.

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Touch-based interfaces for public information management systems.

Problems with this system

- ▶ Health Hazard
- ▶ High Cost

## Low-cost Sensors

Low-cost  
Sensors

System  
Integration

Low-cost  
Sensors

System  
Integration

Intuitive  
& Accessible

# Diagram

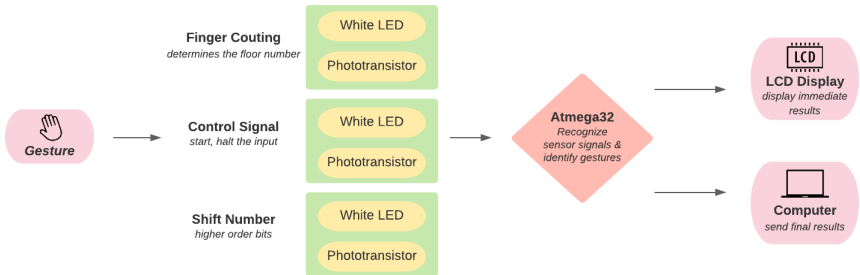


Figure: Flow of information through components

# Components

- ▶ Phototransistor (NJL7502L)
- ▶ Breadboard (400 Point)
- ▶ Jumper Wire Set
- ▶ White LED (5mm, 3mm)
- ▶ LCD display 16x2
- ▶ USBasp programmer + 10 wire strip
- ▶ Resistors