

# COVID Screening Checkpoint

## Reducing Risk at Entrances via Automation



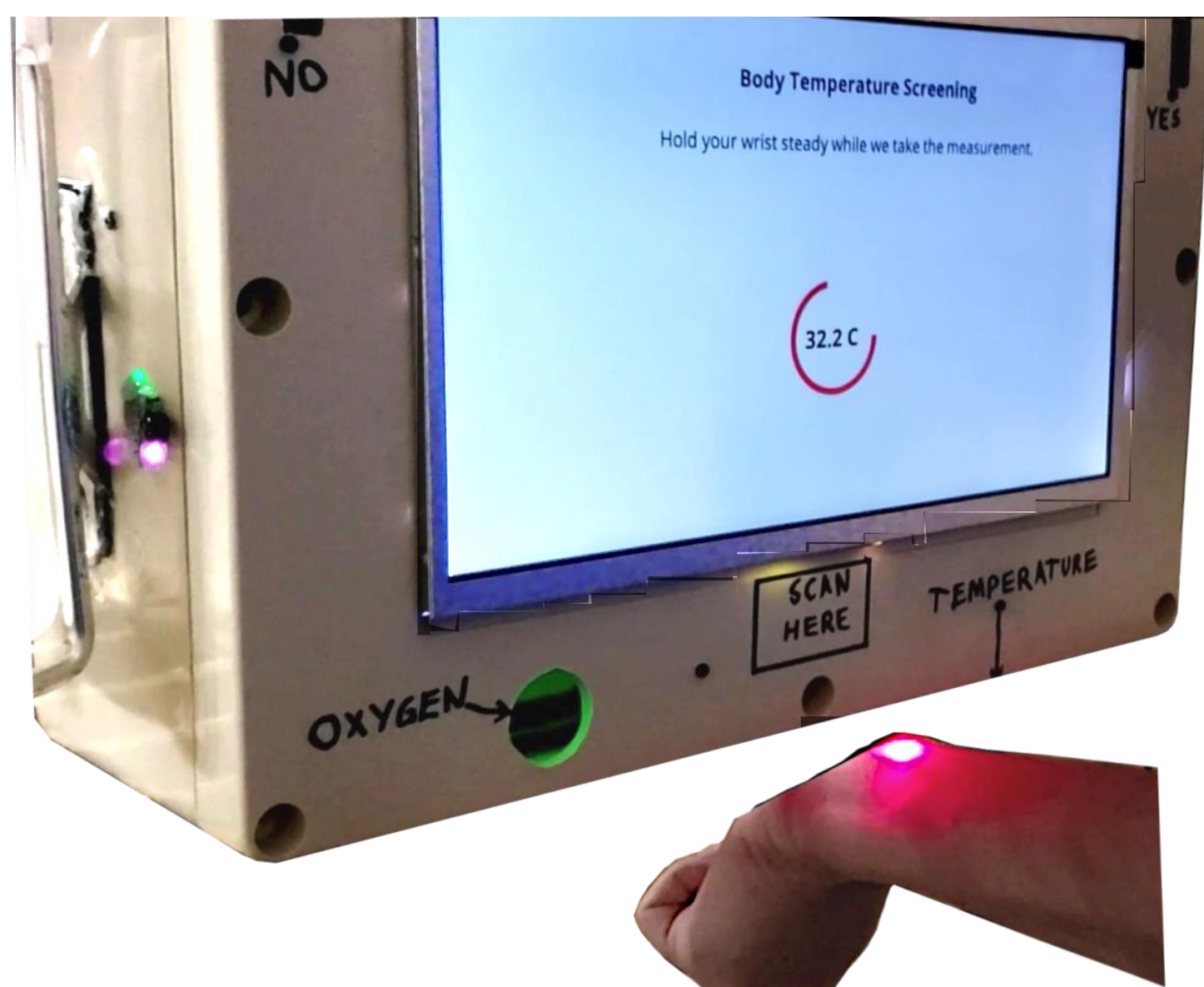
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### Project Description

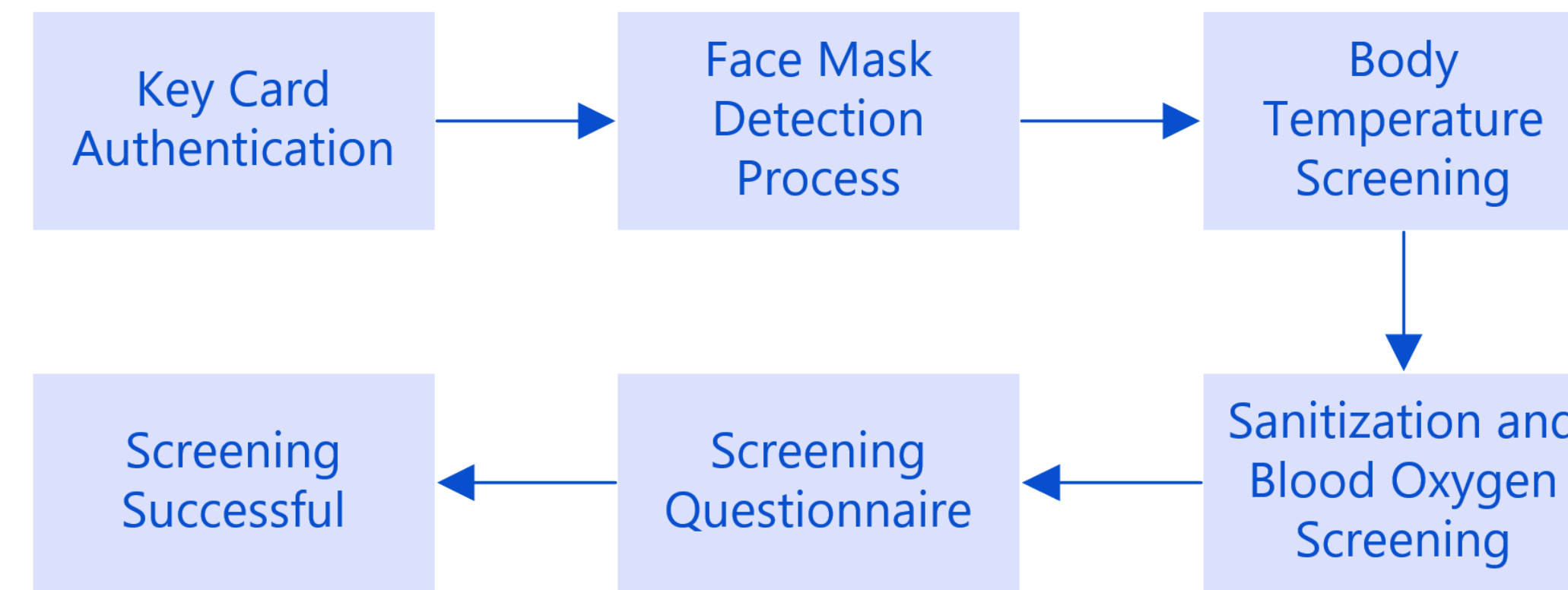
With the ongoing pandemic, our device automates the screening process at entrances and reduces risk of exposure to employees.

### Device Features

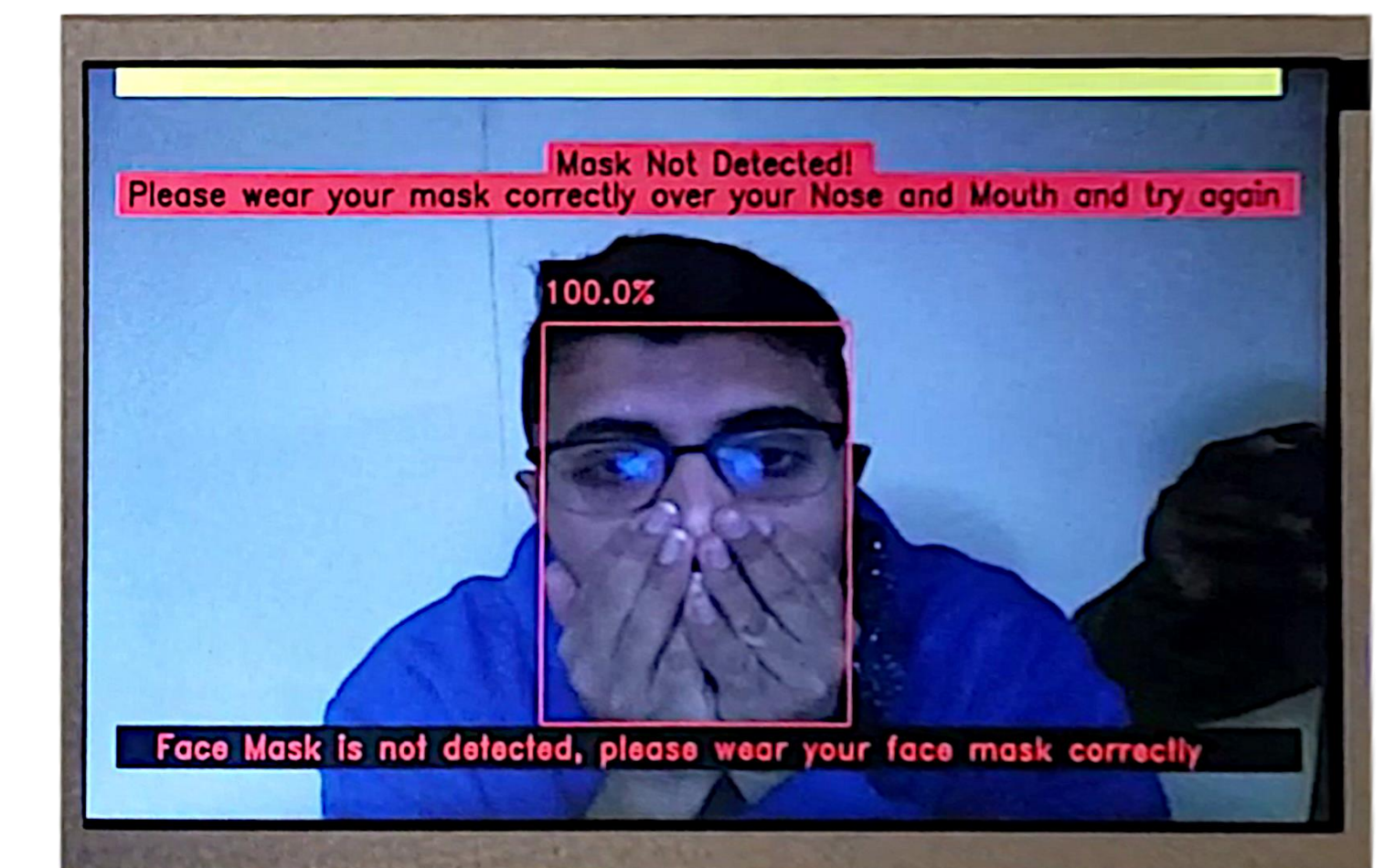
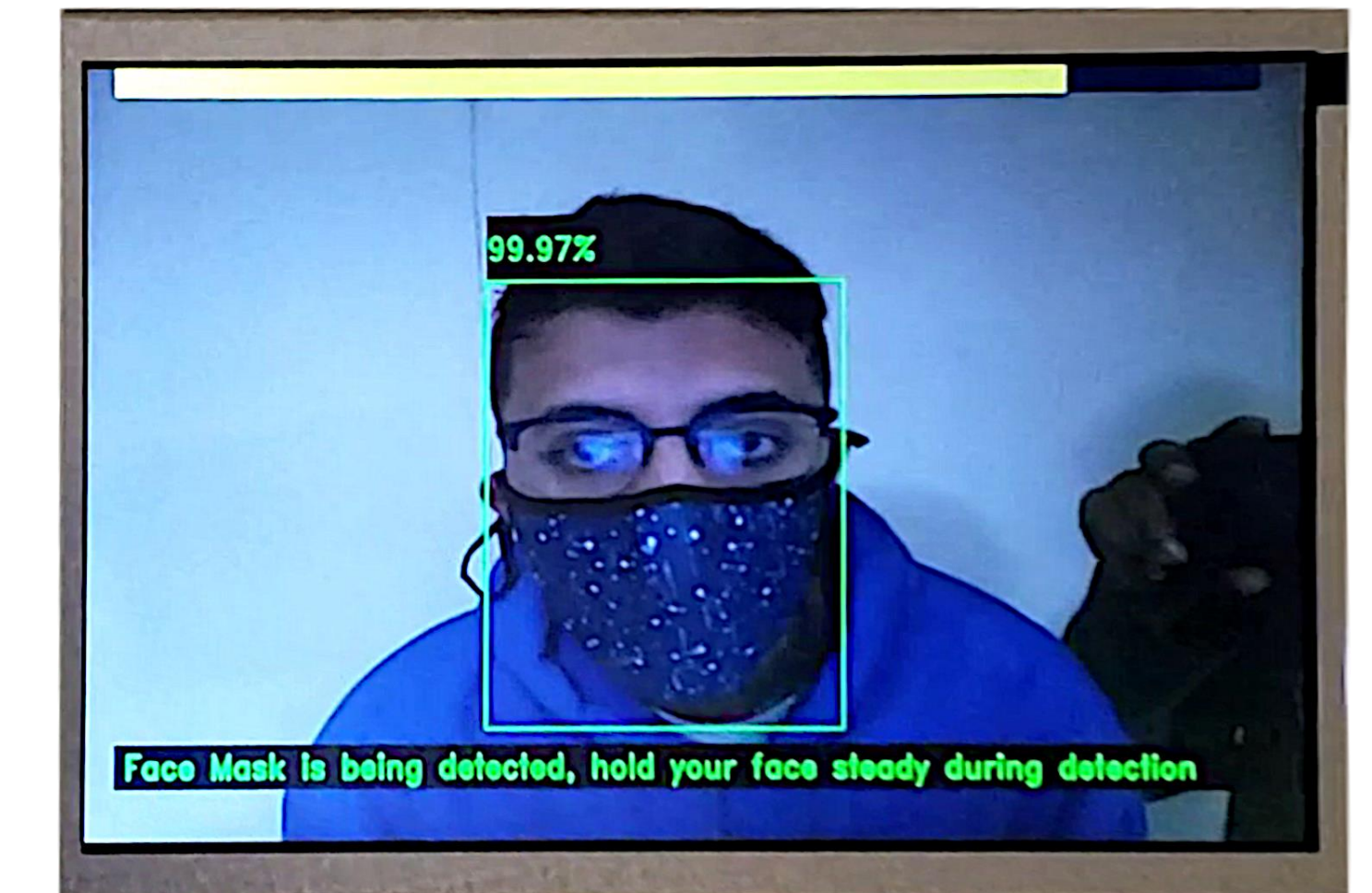
- Face mask detection on Edge AI device using Convolutional Neural Network
- Contactless User Interface
- Screening the user for fever and blood oxygen level
- Automatic hand sanitizer dispenser
- Screening questionnaire
- User ID authentication system



### Screening Process



### Face Mask Detection Process



### System Block Diagram

