

COVID Screening Checkpoint

Reducing Risk at Entrances via Automation

ESE Capstone Group 3
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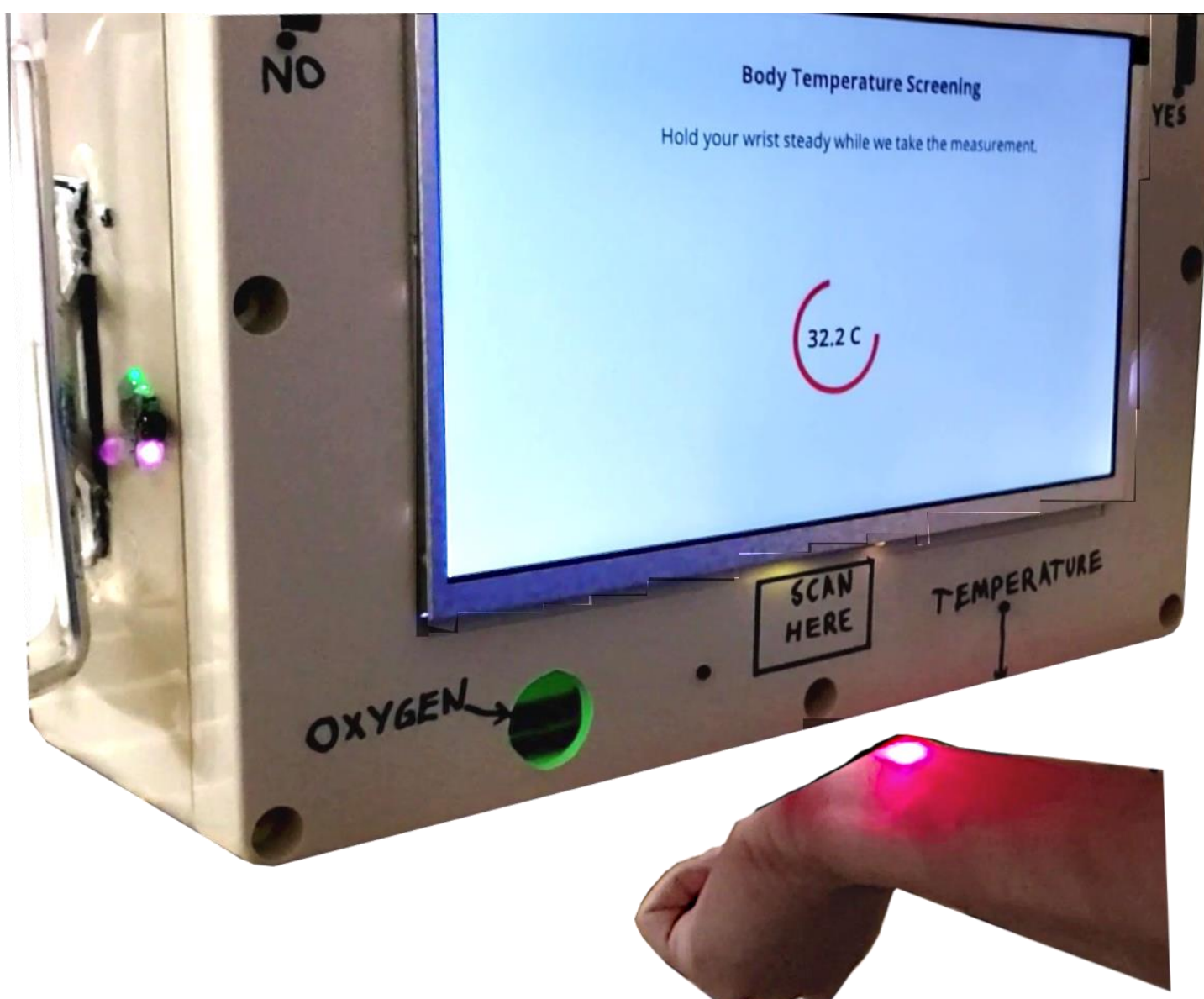


Project Description

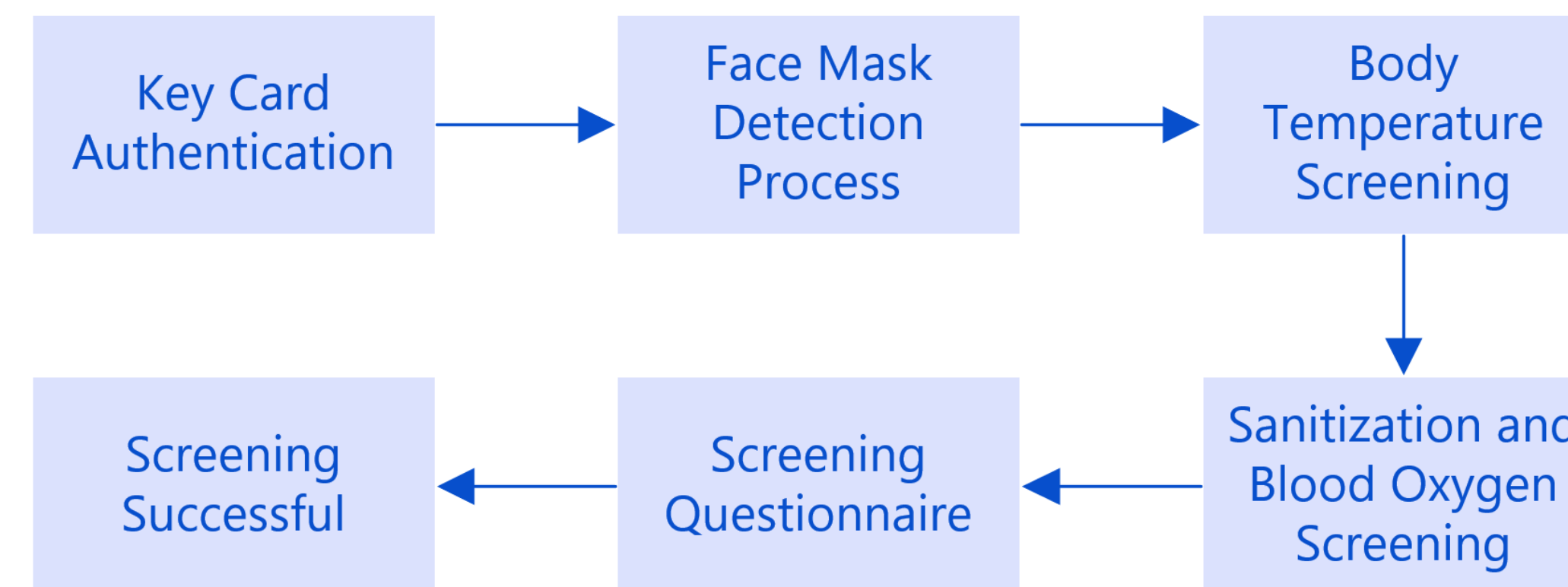
With the ongoing pandemic, our device automates the screening process at entrances and reduces risk of exposure to employees.

Device Features

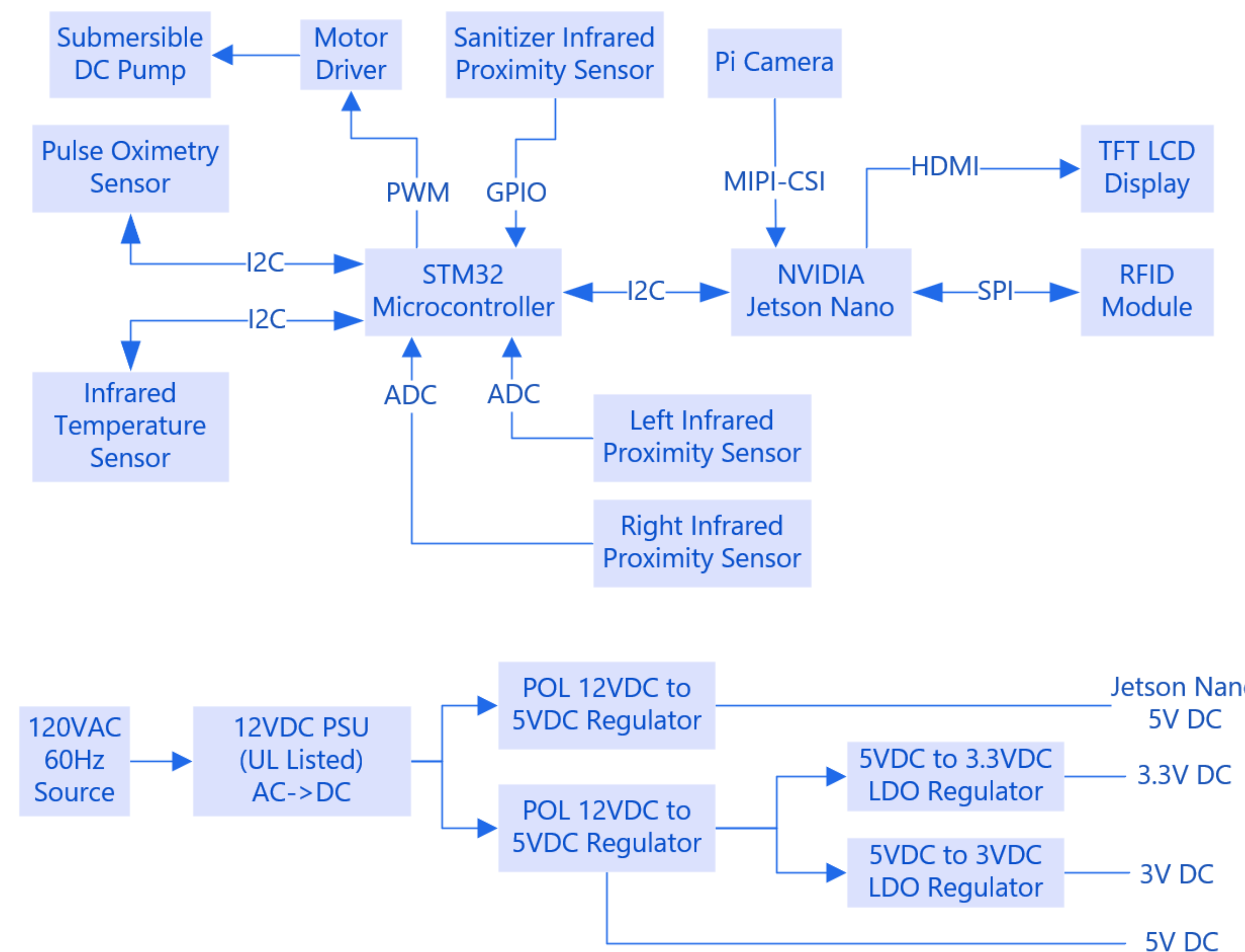
- Face mask detection on Edge AI device using Convolutional Neural Network
- Contactless User Interface
- Screening the user for fever and blood oxygen level
- Automatic hand sanitizer dispenser
- Screening questionnaire
- User ID authentication system



Screening Process



System Block Diagram



Face Mask Detection Process

