

# System view

Project Kitchen Occupation

TSBB11 HT 2013

Version 0.1



Status

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# Project Kitchen Occupation

Bilder och Grafik CDIO, HT 2013  
Department of Electrical Engineering (ISY), Linköping University

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## Document history

Version	Date	Changes	Sign	Reviewed
0.1	2013-09-10	Initial draft	MS	
1.0	2013-05-24	Final Document	All	

# 1 Introduction

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## 1.1 About this document

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## 2 Project Overview

Text here.

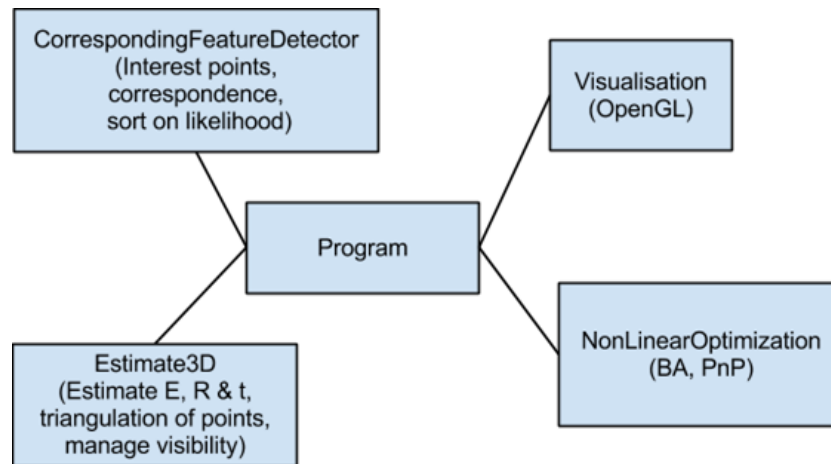


Figure 2.1: *Image of entire system and its modules (THIS IS AN EXAMPLE IMAGE)*

### 2.1 Main program

Text here.

## **3 Hardware**

Text here.

### **3.1 Camera type**

Text here

### **3.2 Camera placement**

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### **3.3 Platform**

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## 4 Network module

Text.

### 4.1 Camera API

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### 4.2 Network communication

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## 5 Image processing

Text here.

### 5.1 Software

Text here

### 5.2 Tracking

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### 5.3 Counting people

Text here.

## **6 Estimation of waiting time**

Text about this part of the system

### **6.1 Queue detection**

Text here

### **6.2 Mathematical models**

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### **6.3 Machine learning (?)**

Text here

## **7 User interface**

Text about the UI and result presentation.

### **7.1 Presentation of results**

Text here

### **7.2 Webpage**

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## **8 Installation program**

Text about the different deliveries and deadlines

### **8.1 Milestones**

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### **8.2 Deliveries**

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