



# Design And Implementation of a Sensor Network

Taylan ERSEN – Buse BİÇER –  
Haluk Mesut MERCİMEK  
Advisor:Sibel TARIYAN ÖZYER



Çankaya University, Department of Computer Engineering

## Abstract

While technology is evolving very quickly, many innovations and facilities It has brought. In this respect, technology has become an indispensable part of our life. One of the innovations is sensor technology. Today, using this system technology; It is used frequently in factories, parking lots, libraries, cars, museums. Thanks to the innovations brought by these sensors, technological products enter into human life more actively and provide a lot of convenience. The great benefits are that they gain a positive contribution to the environment by gaining time and work power. we use the LDR sensor, which is the sensor we use, to save electricity.

## Introduction

In this designed project, in or out of the car parks, the vehicles will pass through these points quickly without loss of time. By helping screen, the driver understands that there is no space in the car park and the unnecessary crowd is prevented in the parking lot.

## Solution

Before the sensor technology we developed, there was no layout in the parking lots. We had a layout in the parking lots with the LDR sensor we have integrated. This system worked in the most crowded parking lots. Secondly, the crowd in the parking lots of the shopping mall has been avoided. This sensor technology is getting widespread nowadays and the other negativities in front of it.

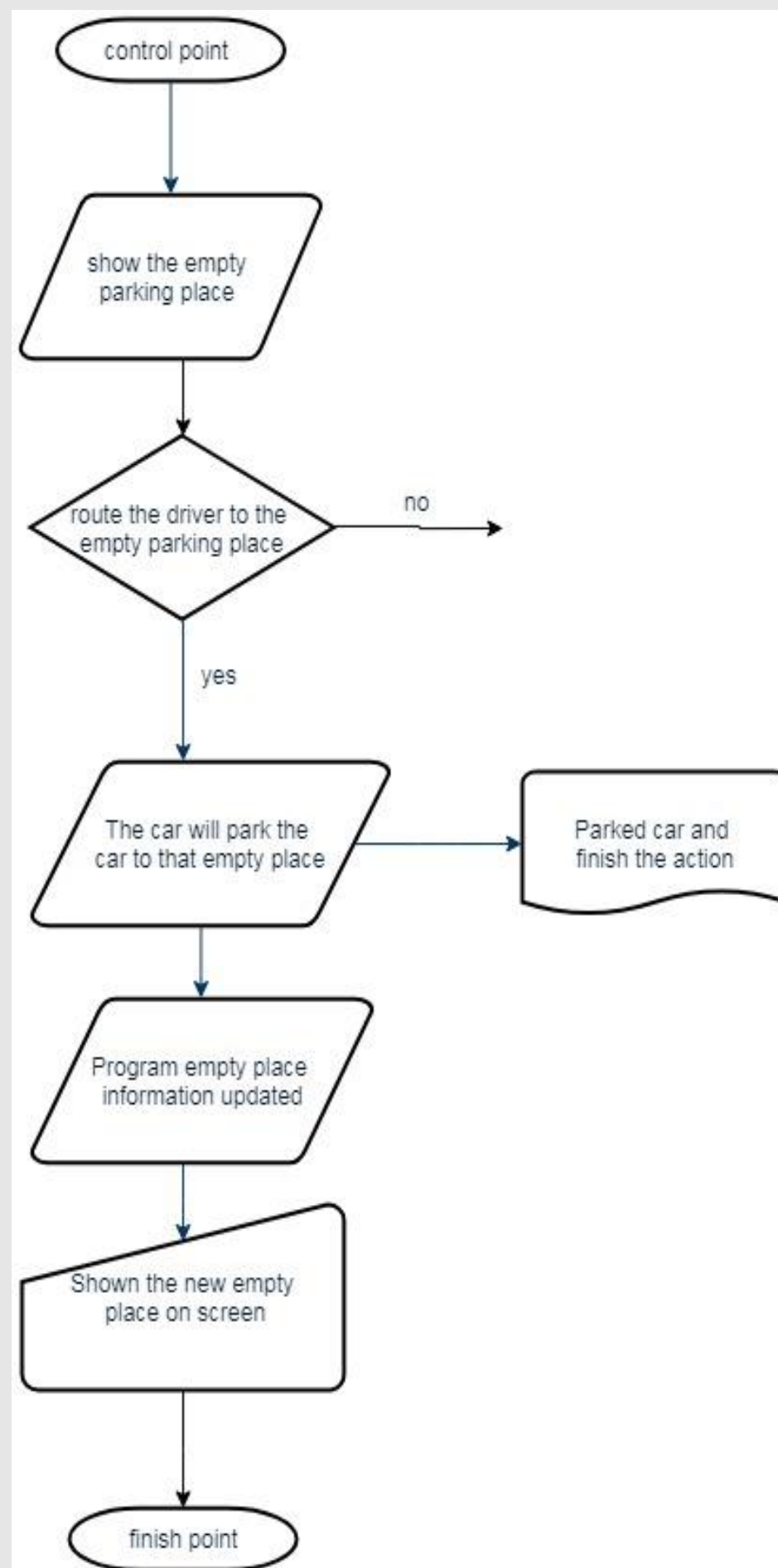


Figure 1 - Flowchart

## Results & Conclusion

The waiting times of cars in the entrance and exit of the parking lot have been reduced. With the system designed in the parking lot, the parking times. It has been reduced. Since the system is implemented as a prototype, it is aimed at improvement in parallel with developments in this area. It is a very helpful technology especially for novice drivers who are new to their driving license. With this technology, we will be avoided in the parking lot accidents.

## Acknowledgement

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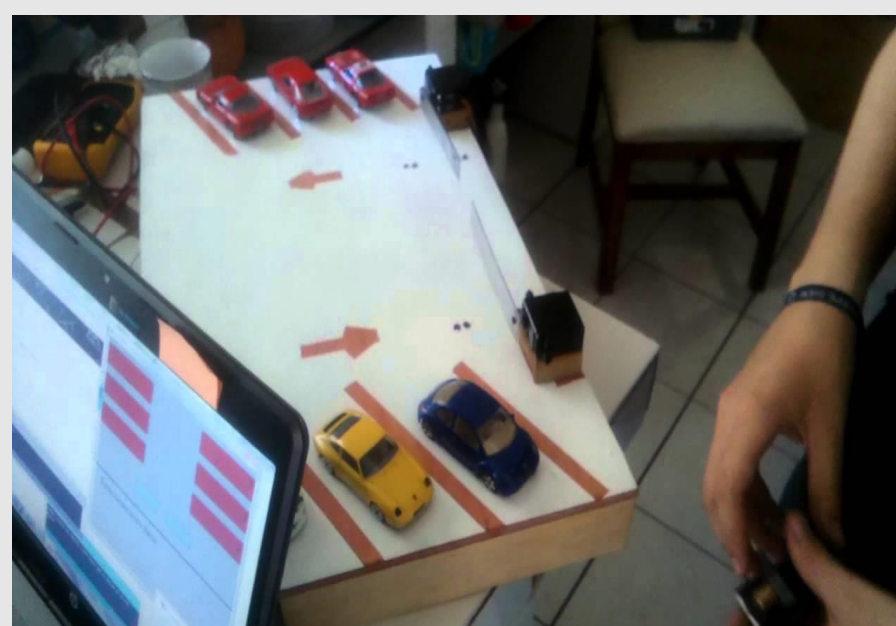


Figure 3 – Finished Product

