

**Faculty of Electrical and Electronic Engineering**

**Semester II Session 2022/2023**

**Embedded Systems Design**

**BEJ42203**

**Section: 2**

**Group No.: 3**

**Lecturer: Dr. Mohamad Hairol Bin Jabbar**

**Report Title: (write your report title)**

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| **Name** | **Matric. No.** | **Contributions in the (1) Project Implementation and (2) Report** | **Digital Signature** |
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# 1. Project Introduction

The European Environment Agency reports that “[c]ars, vans, trucks and buses produce more than 70 % of the overall greenhouse gas emissions from transport”. Especially in cities, where many vehicles drive, health limits for fine particle matter get exceeded. Governments and cities are now curious to find fast solutions. The most recent is Abu Dhabi, they are starting a project where “AI-techniques will […] provide recommendations to improve traffic light efficiency, thus also reducing congestion and carbon emissions” (Zaman, S.). Its goal is to reduce stop time at intersections, especially at those having high pollution levels.

This project wants to show how to establish such a traffic control system. It will show all necessary steps to create the traffic light hardware.

# 2. Project Objectives

# 3. Project Architecture

# 4. Results

# 5. Discussion

# 6. Conclusion

# 7. References

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