**Title of the report**

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Version: 0.0

Date: xx month 20yy

In partial fulfilment of the requirements of the Cyberphysical Systems exam, 1st year of the Electronic Engineering MSc programme of the University of Genova

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# Abstract

A summary of your work in about 150 words.

# Introduction

Problem statement.

Challenges.

Objectives.

Use references in IEEE style. Use Zotero to manage the references (gather them through a browser’s (e.g., Chrome) plug-in and install the Zotero’s Word extension), e.g., [1]. Here is another example reference [2].

Use numbered sub-sections where needed.

# Background and related work

Report related articles and documentation.

Synthetize the main algorithms, methodologies and/or tools typically used for this kind of works.

# Methodology

Write the methodology employed. Includes algorithms and tools.

# Experimental results

Show and critically comment the obtained results. For instance, results from the first experiment are reported in Table 1. On the other hand, Figure 1 provides results for the second experiment.

Table 1. Results of the experiment

|  |  |  |
| --- | --- | --- |
|  | Header 1 | Header 2 |
| Option 1 | 0.3 | 0.2 |
| Option 2 | 51.2 | 57.2 |
| … | … | … |
| Option n | 31 | 25 |
|  |  |  |

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Figure 1. Results of the experiment

# Conclusions and future work

Highlight the main findings of your work. Indicate the limitations.

Indicate possible directions for future work (also by third parties).

# References

[1] S. Dao-Xuan, K. Nghiem-Tuan, D. Truong-Dai, A. Ong-Tung, C. Hoang-Phuong, and M. Nguyen-Duc, “Implementing Convolutional Auto Encoder on FPGA using High Level Synthesis,” in *2024 Tenth International Conference on Communications and Electronics (ICCE)*, Jul. 2024, pp. 113–118. doi: 10.1109/ICCE62051.2024.10634692.

[2] H. Ballout *et al.*, “Runtime Input Monitoring of a Reinforcement Learning-Based Agent for Automated Car Parking,” in *Applications in Electronics Pervading Industry, Environment and Society*, M. Ruo Roch, F. Bellotti, R. Berta, M. Martina, and P. Motto Ros, Eds., Cham: Springer Nature Switzerland, 2025, pp. 387–394. doi: 10.1007/978-3-031-84100-2\_46.