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Master Thesis Proposal

# Benchmarking Out-of-Distribution Detection in 2D Object Detection

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# 1 Introduction

- An introduction to the general topic you are covering.
- Why is it important?

## 1.1 Problem Statement

- What are you going to solve?
- How are you evaluating?

# 2 Related Work

- What have other people done?
- Why is it not sufficient?

## 2.1 Subsection 1

## 2.2 Subsection 2

# 3 Project Plan

## 3.1 Work Packages

The bare minimum will include the following packages:

WP1 Literature Search

WP2 Experiments

WP3 Project Report

Keep in mind that depending on your project, you will probably need to add work packages that are more suited to your projects.

# Benchmarking Out-of-Distribution Detection in 2D Object Detection

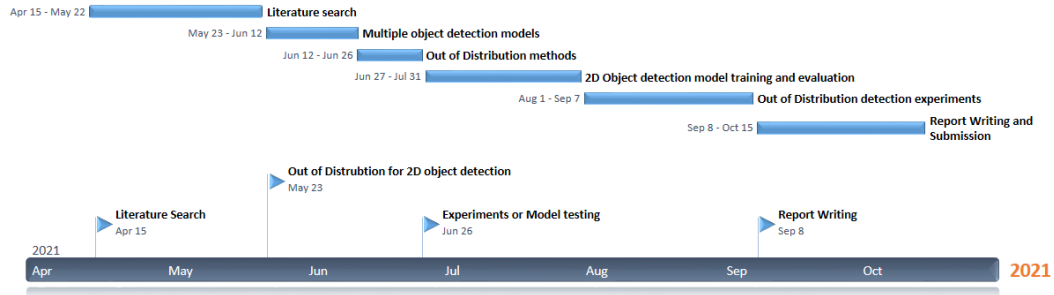


Figure 1: Timeline for the proposed Master Thesis

## 3.2 Milestones

- M1 Literature search
- M2 Experimental setup
- M3 Experimental Analysis
- M4 Report submission

## 3.3 Project Schedule

Include a gantt chart here. It doesn't have to be detailed, but it should include the milestones you mentioned above. Make sure to include the writing of your report throughout the whole project, not just at the end.

## 3.4 Deliverables

### Minimum Viable

- Survey
- Analysis of state of the art
- Simple simulated use case
- Demo on youBot or Jenny

## Expected

- Comparison of approaches in the robot

## Desired

- Integration to scenario

## References

- [1] Author Name. Book title. *Lecture Notes in Autonomous System*, 1001:900–921, 2003. ISSN 0302-2345.