# MPC-MAP Assignment No. 2 - Report

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## **Date:** 05.03.2025

## Task 2

Path is made of 2 arcs and 2 straight lines.

A graph of a diagram

AI-generated content may be incorrect.

Figure 1 Planed path

## Task 3

Robot follows path based on feedback linearisation algorithm. Advantages of this algorithm are gain of feedback control and easy implementation. Disadvantages are optimising distance of point and unconstant speed. For this task it is possible to eliminate unconstant speed by defining speed as constant.

A graph of a diagram

AI-generated content may be incorrect.

Figure 2 Robot following the path