**LAB 6: Mobile robot navigation**

**Preparation:**

Simulate the movement of a mobile robot along a given path.

**Exercise:**

Create a Python function that simulates the movement of a mobile robot along the given path generated in the previous exercise. The simulation can be implemented using the mobrobsimanimate function from the mobrobsim module.

**Report:**

The report should contain:

A modified Python script surname\_6.py that performs the tasks assigned in the Exercise (LV6 - Mobile Robot Navigation) and a written report with a description of the exercise and 3-4 images obtained during work on the exercise (an image of the created map, a picture of the map with the planned path and a picture of the robotic manipulator at the goal).

Zip the files and upload them by **June 12, 2023**.