

PROJECT SCOPE STATEMENT

Project Title: Artibot

Date Prepared: 26.09.18

Product Scope Description:

Develop a self-driving autonomous vehicle which can drive in test environment but not in commercial roads.

Project Deliverables:

Technical

- Image recognition of road lanes
- Self-driving mechanism

Documentation

- Requirement Documentation
- Prototype Results
- Test Results

Project Acceptance Criteria (in scope):

- Recognize road lanes
- Be able to drive between the lanes for 10 seconds or more before it goes out of lane.
- Finish and deliver the Project before May.

Project Exclusions (out scope):

- Battery
- Real life environment (pedestrians and bicycles)
- Speed and acceleration
- Weight
- Vehicle shape.

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Project Constraints:

Project constraints are defined by our budget and team.

- The team consist of five members from different engineering disciplines.
- The budget for our project is 154203.5 NOK
- Limited knowledge regarding AI
- Time

Project Assumptions:

Our team focuses on not developing the car itself but develop the learning algorithm for the self-driving part, which is reinforcement learning. We will use image recognition to detect the lanes and not develop an algorithm for object detection.