**Schedule**

Milestone 0 DL 11.2.2022

* Bill-Of-materials, requirements, project report template, list of features

Milestone 1 DL 15.2.2022

* Schematic template

Milestone 2

* Part order
* HW T1
* SW T1

Milestone 3

* HW T2
* SW T2

Milestone 4

* HW T3
* SW T3
* PCB

Milestone 5

* HW T4
* SW T4

Milestone 6

* HW T5
* SW T5

Milestone 7

* SW T6

**Software**

Test 1

* MCU will send enable signal to a DC-motor controller

Test 2

* MCU will receive IR-data
* MCU will receive gyro data

Test 3

* MCU will receive bluetooth data
* Phone will be paired to the MCU

Test 4

* Phone will move robot
* Robot will detect obstacles
* Robot will know its moved distance

Test 5

* Autonomous driving

Test 6

* Mapping

**Hardware**

Test 1

* DC-motors will rotate with enable signals
* IR-sensors will send data
* Battery will provide regulated voltage
* Gyro will send data to MCU

Test 2

* MCU rotates Motors
* MCU will receive IR-sensor data

Test 3

* MCU moves robot

Test 4

* Charging module will receive and charge power

Test 5

* Charging module will charge batteries
* Charging module will have a battery status indicator