| Assignment 1 | | Project Summary | |
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| Course | | **Distributed Machine Learning with Applications in Robotics and IoT** **- 2025** | |
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| Project author | | | |
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| Project name | AI-controlled car |
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| 1. Short project description (Business needs and system features) |
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| Controlling a robot car via hand gestures and voice commands. The models for hand gesture and voice control will be on a PC that will communicate with the car. |

| 1. Project Goals |
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| 1. The car can correctly go in specific directions based on the input and properly decide if it should do it based on built-in sensors. 2. Software on the PC capable of recognising hand signals and voice commands that should send to the car |

| 1. Implementation Methodology |
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| The communication with the car can happen via RF modules. The car should have sensors for distance so it can avoid walls even if the commands tell it so. The motors will be standard DC motors with optocouplers. |

| 1. Used Hardware |
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| 1. Used Technologies |
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| 1. Training and Testing Data (Links to external datasets) |
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| 1. Resources and References |
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