

Abstract

Car parking process is a complicated process, but with robotic technology we can make that process more easy and help for drivers. In the process, the most important state is defining where a car moves to, because without this process, the parking process can not be happened, so this process is the main process in this robotic technology. In order to solve this process we need a program that can be called a brain, where this brain can decide where a car must move to. To build this brain we use artificial intelligence where artificial neural networks (ANN) is the method we chose, and the algorithm is back propagation. We use this technique because this technique is match for complicated data, where this data can not be classified, and we choose back propagation algorithm because this method uses a supervised learning, so with right inputs and targets training data this brain can learn and then define the right move.

Keywords : robotic technology, brain, artificial intelligent, Artificial Neural Networks (ANN), back propagation, supervised learning.