Abstract

MAS (*Multi-Agent System*) assured that it could work in a dynamic and unpredictable environment, such as parking area, where the rush hour and the number of cars come in and out are unpredictable. In this essay, a multi-agent system is designed to manage parking area's resources in order to help visitors getting their parking location and guiding them out from parking area. System is designed with Prometheus - Ingenias methodology. Prometheus methodology has an advantage which Ingenias methodology does not have, that is easy to understand and explain agent modeling element explicitly. In contrary, Prometheus does not support MDE (*Model-Driven Engineering*) which Ingenias methodology does.

Keywords: Multi Agent System, Metode prometheus, Metode ingenias, Model-Driven Engineering.