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Thème

MyCar: a Mobile Car Service Book with Predictive Maintenance Recommendations

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ABSTRACT

In this final project, we will describe our study major that talk about two topics: firstly, the car service book and it's weaknesses, and why we need to use a mobile app for following car maintenance, secondly we will talk about the off-board concept that we used it in the project system, and how the off-board data with a specific machine learning algorithms can result predicted maintenance that help the user to avoid his car failure.

This project could help vehicle owners to find out what part of the car could fail in the future so the owner make the necessary repairs to prevent the unexpected failure of the vehicle and make a better maintenance planning and reduces the risk of unplanned stops. We relied in this project on machine learning techniques recommender system specifically (user based and content filtering) also we relied on web devolvement and mobile devolvement techniques which we will explain in much detail next.