SYNTHESIS

of the Diploma Thesis:

Car Diagnosis Application - CarDoctor

Student: **Carla-Iulia MARTIN**

Project Supervisor: **Eng. Teodora SANISLAV, PhD**

1. **Problem definition**: The creation of a mobile and web application that lets the user perform diagnostics on their own vehicle with the option of browsing car parts straight from the application depending on the problems the diagnostic codes present.

2. **Application domain**: The domain where the thesis project can be fit is the automotive domain, especially the auto repair shops field, for both professional and untrained use.

3. **Obtained Results:** A functional mobile and web application that performs with success the intended types of diagnostics: response codes to commands sent to the Electronic Control Unit of the vehicle, with web scraping for part browsing, troubleshooting suggestions and charted view.

4. **Testing and Verification:** Manual tests were performed both during the development process and when the project has been declared finalised.

5. **Personal Contributions:** Designing and development of the project, from the documentation part to the data gathering, front-end and back-end implementation, and the testing stages.

6. **Documentation Sources:** Technical books, internet, experts in the field.

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Project's supervisor signature _____