Project Design Phase-I Solution Architecture

Date	8 October 2022
Team ID	PNT2022TMID33247
Project Name	Vehicle Performance Analyzer
Maximum Marks	4 Marks

Solution Architecture:

Performance engineering departments in the automotive industry are confronted with many different challenges:

- There is the program pressure on emission friendly, lightweight and safe vehicles with the strong trend of electrification and autonomous development
- Frontloading performance engineering remains essential to support more efficient development for the many vehicle & architecture variants coming to market
- At the same time, all of the different performances need to be balanced in order to meet requirements for customer brand experience
- On top the growing amount of ECU, controls, systems and sensors (AV/EV context) challenge the industry for more system driven development

Example - Solution Architecture Diagram:

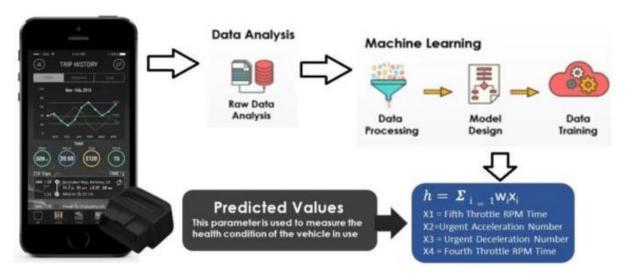


Figure 1: Architecture and data flow of the voice patient diary sample application

Reference: https://www.researchgate.net/figure/A-schematic-diagram-of-the-analytics-process_fig3_332816177