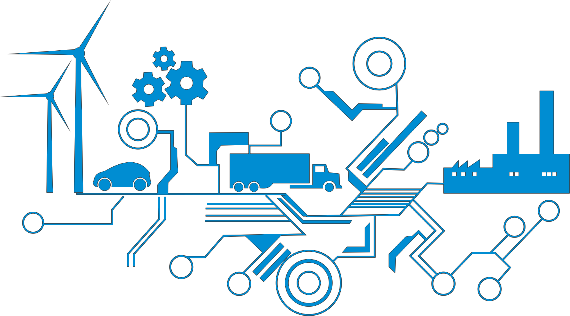
POWERTRAIN



Group

Title

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**Revision History**

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| Version No. | Date | Prepared By/  Modified By | Overview of Changes | Approved By |
| 0.1 | 24-10-16 | Team members names |  |  |
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# 1Introduction

Major overview ..

## About Powertrain

Armstrong/Pico is a feature rich car which is being developed…….

## Requirement

The 3 major requirements considered .. and brief description …

## Plan

The idea is to make a modular design which realizes the above features:…….

GANT Chart and activity split

## Feature Comparison

Compare the features. .

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Features | Low end car | Mid end car | High end car | Armstrong | Requirement mapping | Assigned to |
| Dashboard | Display of features such as speed of car, RPM, Temperature of engine coolant, Indicators, Fuel level etc., | Extra features such as digitized display of speed of vehicle and RPM, Fuel Gauge, warning light for- ABS, seat belt, Battery charging, Door Ajar | All the features in Mid end cars with improvisation in display such as digitized and graphical display on screen | All the features of Mid end cars | 2,3 | Abc  (123456) |
|  |  |  |  |  |  |  |

Figure 1‑1- Features and requirements analysis

# Feature Name of Armstrong/ Pico

Compare the features. .

## 2.1 Detailed Requirements

Describe ..

2.2 Functional Diagram

Describe ..

### Comparison of Existing (Infineon, Renesas , Atmel etc )

Describe ..

### Proposed Design

Describe ..

## Functional requirements

Describe ..

### Systems and Subsystems

Describe ..

### Inputs and outputs of the Systems

Describe ..

## Test Cases

Describe ..

## UML Diagrams

Describe ..

## Model Implementation

Describe ..

## Code Generation of the Model

Describe ..

### Autocode Generation

Describe ..

### AUTOSAR complaint code generation

Describe ..

## Model Implementation

Describe ..

## Test case Validation

Describe ..

## Results

Describe ..

## Sprayer Model

Describe ..

### Data Dictionary

Describe ..

### Code Generation

Describe ..

#### Autocode Generation

Describe ..

#### AUTOSAR Code Generation

Describe ..

### Testing

Describe ..

Simulink Test/harness

# Feature 2

Same template as above

Each feature will be updated by the corresponding feature owner

# Feature 3

Same template as above .. etc

Each feature will be updated by the corresponding feature owner

More .. .based on users

# References

IEEE Format of Referencing