

# **OBJECTIVE**

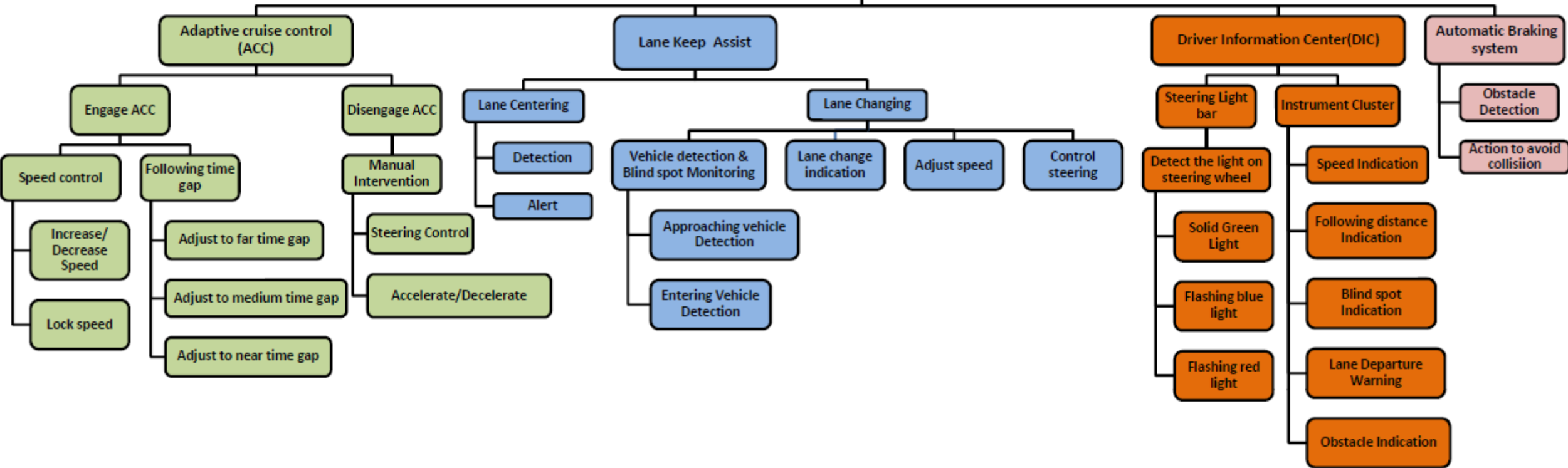
To analyze and redesign a level 2 automated vehicle system, to establish better communication between ADAS and the driver by optimizing Human machine interactions.

## **PROJECT DELIVERABLES**

- TASK ANALYSIS – decompositions of tasks into subtasks
- PROTOTYPING – draft version of a design to explore ideas
- USABILITY TESTING – Evaluation of the developed system

# HIERARCHICAL TASK ANALYSIS

## Design and Analysis of Level 2 Automated Driving System



# Prototyping

To develop a prototype for the proposed level 2 automated vehicle system with following advantages

- To get the driver accustomed to ADAS.
- To decrease the physical and cognitive workload of the driver.
- To enhance the driver's experience.
- To improve driver trust on the ADAS system.



Current Instrument Cluster

# Developed Prototype With Adaptive Cruise Control Warnings



Over speeding

Green band  
ACC Engaged



# Developed Prototype- With Warning Systems and Navigation

