

COE 485: Senior Design Project (142)

Project Plan

Title

Maximum Speed Indicator (عين)

Problem Statement

Many people forget to keep an eye on their cars' speed sometimes while driving. That in the best case may cause them to be fined by Saher or an accident in a worse case.

Outcome

A device connected to the car should be an eye on the speed meter to notify the driver when he reaches the maximum speed in that street.

Requirements

- The device must notify the driver about the maximum speed in the current street.
- *The device should know when the driver moves from a street to another and notify him about the new maximum speed immediately.*
- Up to Date maximum speed limits.
- The device must work even in newly established Streets.
- The device should display the maximum speed and the current speed on the windshield. (optional)
- The device should display to the driver other information about the car like fuel level, oil level and other information. (optional)

Advisor

DR. KAMEL CHENAOUA

Team

- JALAL MAJED AL-RUKHIMI 200952450
- ABDUL-AZIZ ABDUL-HADI AL-AMRI 200815940
- HASSAN ABDULMONEM ALSHABAAN 200968350

Timetable

Week	Task ID	Name	Owner	Start	End
	0	Preparations	All	04/02/2015	09/02/2015
2	0.1	search & Evaluate existing solutions		04/02/2015	06/02/2015
3	0.2	map Requirements to Specifications		07/02/2015	09/02/2015
	1	Design	All	10/02/2015	20/02/2015
3,4	1.1	Find & Evaluate possible solutions		10/02/2015	16/02/2015
4	1.2	Evaluate and specify different components		17/02/2015	20/02/2015
	2	Working on subsystems	All	21/02/2015	
5	2.1	Getting familiar with the components		21/02/2015	24/02/2015
	2.2	Define the subsystems and their interface			
	2.3	Work on each subsystem individually			
	2.4	Test all subsystems individually			
	2.5	Integrate the project			
	3	Test and debug	All		