**Summary**

# MOOC Week 2: E-Motor

The course focusses on the most used e-motor concept in cars. It includes:

1. Motivation for E-Motor Concepts

The course first gives an introduction to e-motor concepts and explains why different subjects (Physics, Chemistry, Mathematics, Biology, Ethics, Informatics, Language) are involved. The introduction also explains the major functional parts of an e-motor.

1. System Engineering Picture/Understanding of an E-Motor (2 hours)

The course defines system engineering and explains how the e-motor works in detail. It also refers to a manual of TI (Texas Instruments) which contains further details of physics.

This includes a lecture about the systems engineering and again outlining in more details how the different subjects are involved.

It also includes here a lecture about physical background of e-motors for those who are interested in physics.

Additionally, there is a video showing a running e-motor and naming the parts visible in the video.